

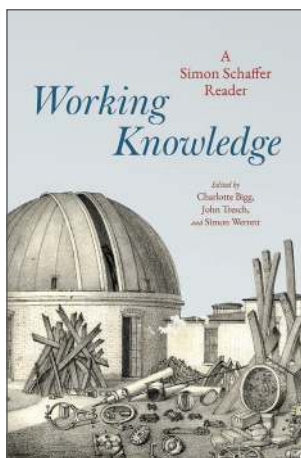
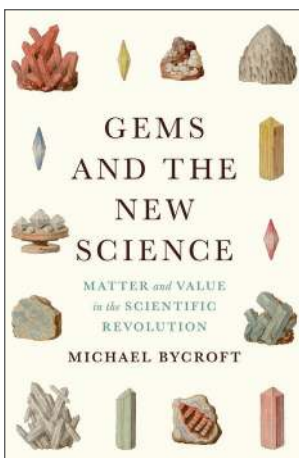
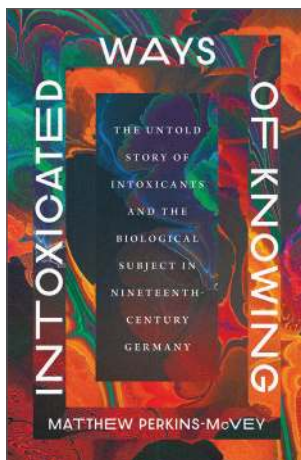
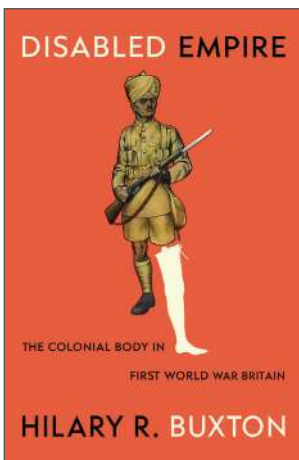
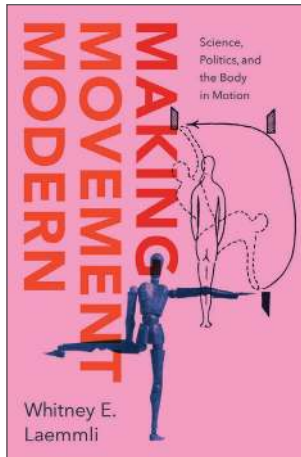
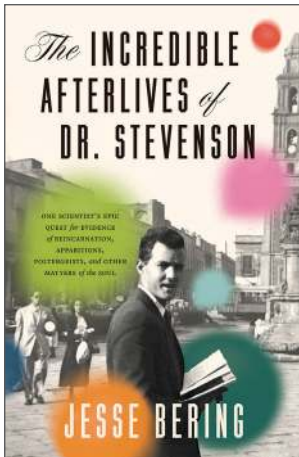
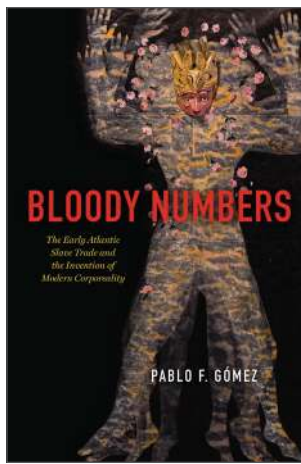
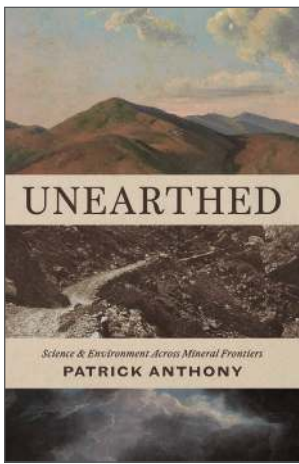
12-16 JULY 2026

# 2026 ESHS/HSS JOINT MEETING

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# New from CHICAGO



## Unearthed

*Science and Environment  
Across Mineral Frontiers*

**Patrick Anthony**

Paper \$35.00

## The Incredible Afterlives of Dr. Stevenson

*One Scientist's Epic  
Quest for Evidence of  
Reincarnation, Apparitions,  
Poltergeists, and Other  
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**Jesse Bering**

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## Disabled Empire

*The Colonial Body in First  
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**Hilary R. Buxton**

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*Matter and Value in the  
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**Michael Bycroft**

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Trade and the Invention of  
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## Making Movement Modern

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**Whitney E. Laemli**

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Nineteenth-Century  
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**Matthew**

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# AT A GLANCE

**REGISTRATION DESK**

Gordon Aikman Lecture Theatre  
 Sunday, 12:00 pm-5:00 pm  
 EICC, Strathblane Hall  
 Monday, 8:00 am-6:00 pm  
 Tuesday, 8:00 am-6:00 pm,  
 Wednesday, 8:00 am-6:00 pm  
 Thursday, 9:00 am-5:00 pm

**EXHIBIT HALL**

Monday, 12:00 pm-5:00 pm  
 Tuesday, 9:00 am-5:00 pm  
 Wednesday, 9:00 am-5:00 pm  
 Thursday, 9:00 am-1:00 pm

**BREAKS**

Monday, 10:45 am-11:45 am,  
 3:45 pm-4:45 pm  
 Tuesday, 10:45 am-11:45 am,  
 3:45 pm-4:45 pm  
 Wednesday, 10:45 am-11:45 am,  
 3:45 pm-4:45 pm  
 Thursday, 10:45 am-11:45 am,  
 3:45 pm-4:45 pm

**Sunday 12 July**

ESHS Early Career Lectures

Sun, 12 July, 5:00 to 7:30 pm, Gordon Aikman Lecture Theatre

**Monday 13 July**

Opening Plenary: Thinking Across Time: History is Now

Mon, 13 July, 6:15 to 8:00pm, EICC, Floor: Level 3, Pentland Suite

**Tuesday 14 July**

HSS Prize Ceremony & Sarton Medalist Address

Tue, 14 July, 6:15 to 7:15pm, EICC, Floor: Level 3, Fintry Auditorium

ESHS Presidential Lecture: Seeking Common Ground: Histories of the Sciences in Divisive Times

Tue, 14 July, 6:15 to 7:00pm, EICC, Floor: Level 3, Sidlaw Auditorium

ESHS/HSS Reception and Céilidh at The National Museum of Scotland

Tue, 14 July, 8:15 to 11:00pm, National Museum of Scotland, Grand Gallery

**Wednesday 15 July**

HSS Distinguished Lecture: The Transatlantic Slave Trade and the Making of Science and Medicine,  
Pablo F. Gómez

Wed, 15 July, 6:05 to 7:00pm, EICC, Floor: Level 3, Pentland Suite

ESHS Neuenschwander Prize Lecture: From the Margins: Rethinking Power and Perspective in the  
History of Science, Ana Simões

Wed, 15 July, 7:05 to 8:00pm, EICC, Floor: Level 3, Pentland Suite

Graduate Student and Early Career Scholar Mixer

Wed, 15 July, 7:00 to 10:00pm, 56 North Bar

**Thursday 16 July**

HSS Business Meeting

Thu, 16 July, 1:00 to 2:00pm, EICC, Pentland Auditorium

ESHS General Assembly

Thu, 16 July, 6:15 to 8:15pm, EICC, Pentland Auditorium

HSS Elizabeth Paris Event

Thu, 16 July, 7:00 to 8:30pm, National Museum of Scotland, Auditorium



# THE UNIVERSITY *of* EDINBURGH

Colleagues,

I am delighted to welcome historians of science from around the world to the 2026 Joint Meeting of the European Society for the History of Science (ESHS) and the History of Science Society (HSS). The University of Edinburgh is proud to help to host one of the largest ever conferences in this exciting and important field, which has been a true collaboration between the ESHS and HSS, as well as the British Society for the History of Science, the National Museum of Scotland, and our own historians of science across the University. I am sure you will enjoy a week of stimulating conversations about the latest work in a field that has come a long way since the 1977 International Congress of the History of Science held in the university's Appleton Tower.

The University of Edinburgh has a distinguished history of contributions to science and technology, and a distinctive legacy in historical and social studies of science. Indeed David Brewster, inventor, scientist, and science historian was the first to hold the role of Principal and Vice-Chancellor following the passing of the Universities (Scotland) Act 1858 which moved the election of the role away from the Town Council.

Brewster recognised, and our University has shown repeatedly, that some of the most important advances in human understanding come at the interfaces of the sciences, engineering, arts, humanities, and society, as well as between research, teaching, and public enterprise. History of science exemplifies these interfaces, helps us to understand them, and can drive forward their creative potential. I hope you enjoy your conference sessions in the Edinburgh Futures Institute, which is just one example of the University's commitment and investment in shaping the future through innovative and interdisciplinary scholarship that is strongly rooted in our history.

Peter

Professor Sir Peter Mathieson  
Principal and Vice-Chancellor  
University of Edinburgh

Dear historians of science!

The local organising committee are thrilled to welcome you to Edinburgh!

This joint meeting of the European Society for the History of Science and History of Science Society promises to be one of the largest history of science conferences ever, and the programme showcases the amazing vibrancy and diversity of our field. It has been a privilege to support the partner societies, with the help of the British Society for the History of Science, in making this unique gathering possible in a place with deep roots for both science and its historical study. For us, it has been a special chance to strengthen the collaborations between the many intersecting communities of historians of science, technology, and medicine across our city.

With so much on offer in the programme, we hope you will also have the opportunity to experience the wonderful city we are lucky to call home. Edinburgh is a pulsing international festival city full of culture, green space, rainbows, unicorns, and history. Our committee has put together extensive guidance and an interactive map to help you make the most of your visit, from meeting basic needs and contingencies, to finding a really good cup of coffee or meal, to taking advantage of the distinctive locales and offerings near the conference venues and beyond.

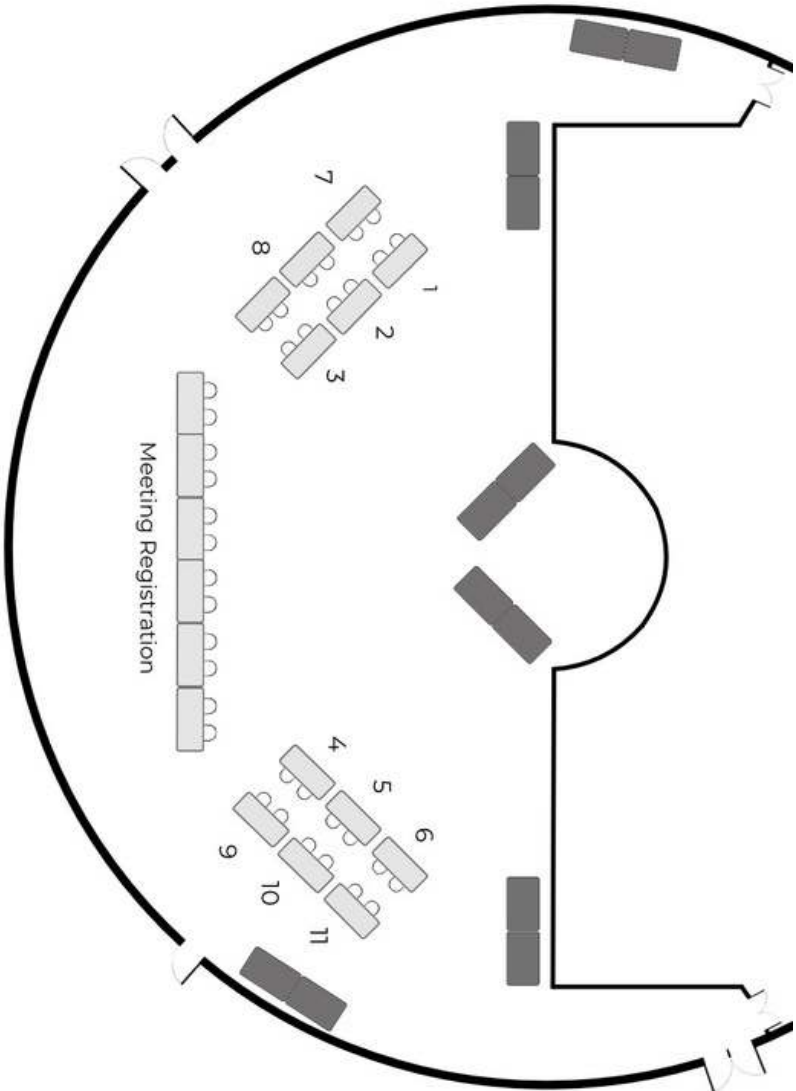
We especially encourage you to explore Edinburgh's history of science, on your own, with colleagues, or as part of an organised tie-in event offered by local historians. Take a walking tour using the Curious Edinburgh app, visit a special exhibition, explore the National Museum of Scotland, or continue a conversation over a pint or a dram with new and old friends. Enjoy an energetic taste of Scottish culture at the National Museum on Tuesday evening with our very own cèilidh (KAY-lee), a traditional social dance with a live band in a spectacular setting surrounded by whale bones, particle accelerators, lighthouse glasses, and other objects from Scotland's rich science history, including Dolly the Sheep a week after her 30th birthday.

Thank you for joining us in Edinburgh, and we hope you have a wonderful time here!

- The Local Organising Committee

# EXHIBIT HALL

Strathblane Hall, Ground Floor



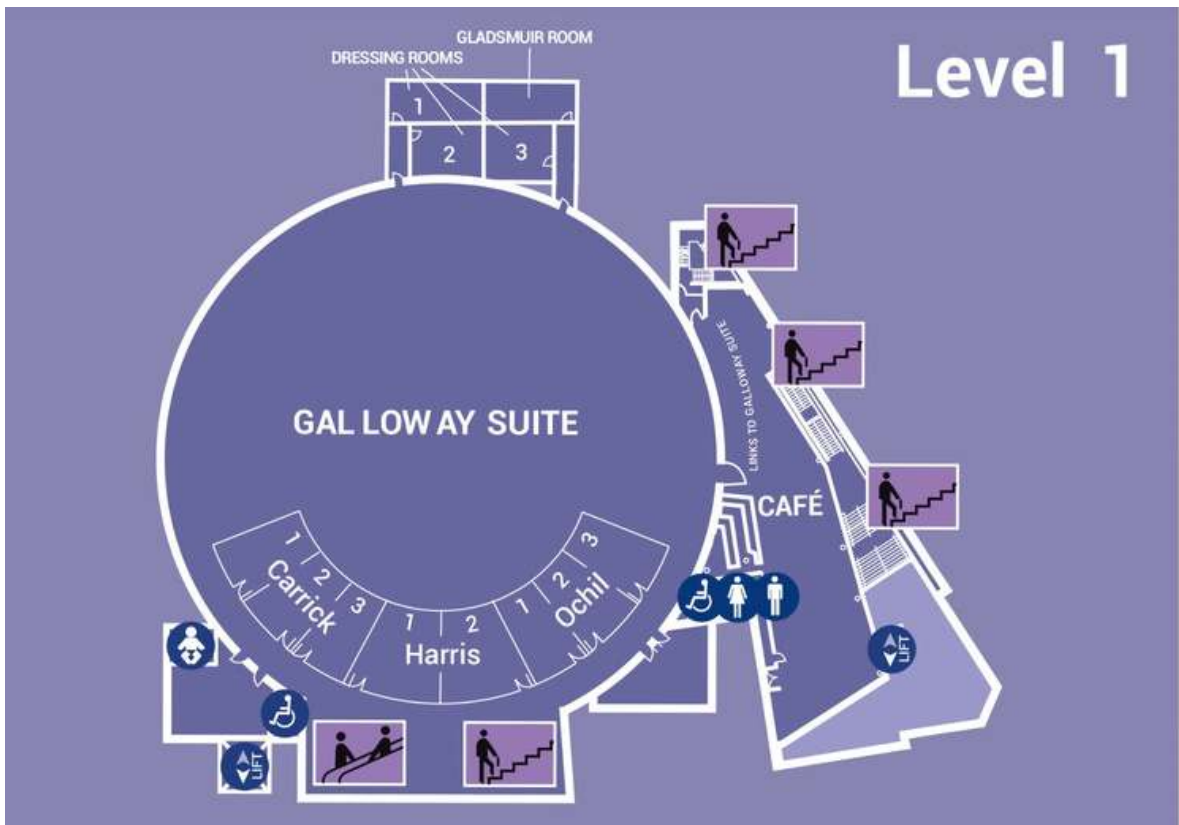
## Edinburgh International Conference Centre

### EXHIBITORS

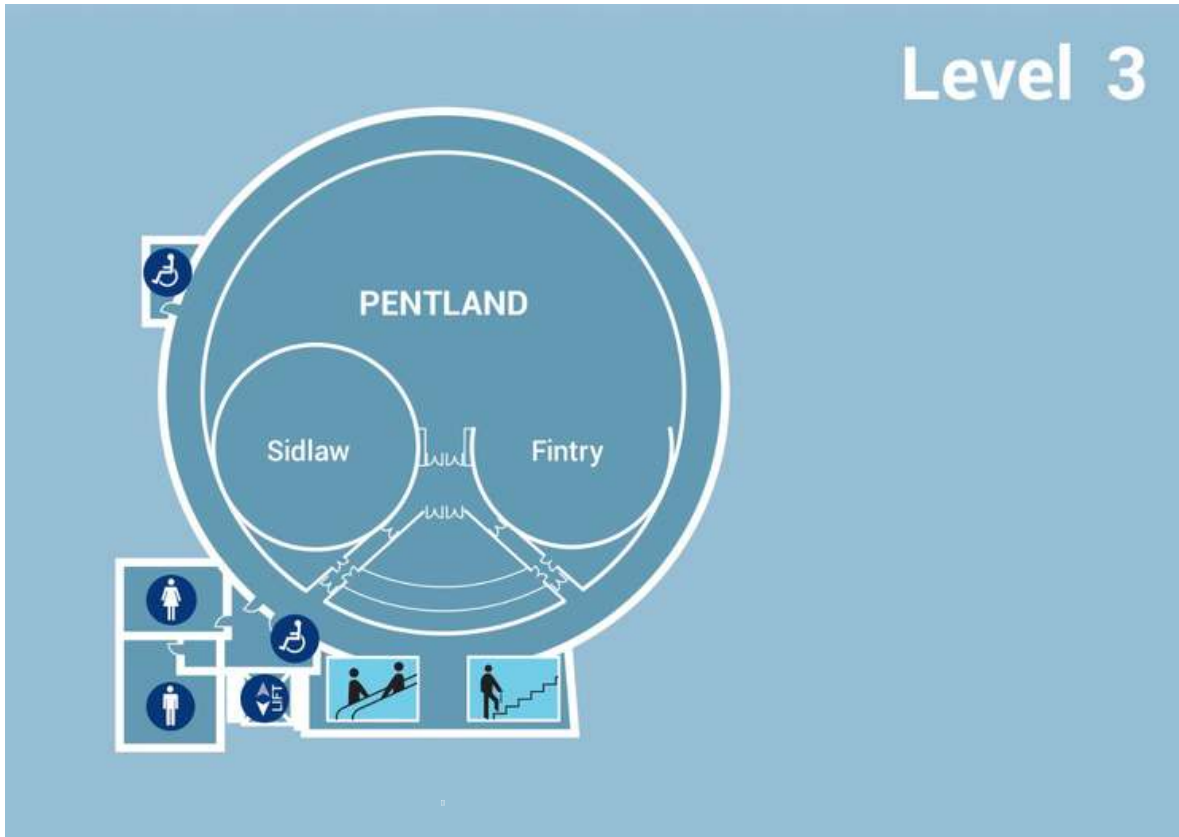
- 1 Cambridge University Press
- 2 De Gruyter Brill
- 3 Oxford University Press
- 4 Max Planck Institute for the History of Science
- 5 Brepols Publishers
- 6 Palgrave Macmillan
- 7 Isis and IsisCB
- 8 The University of Chicago Press
- 9 The Royal Society
- 10 Science History Institute
- 11 Princeton University Press

### MAP LEGEND

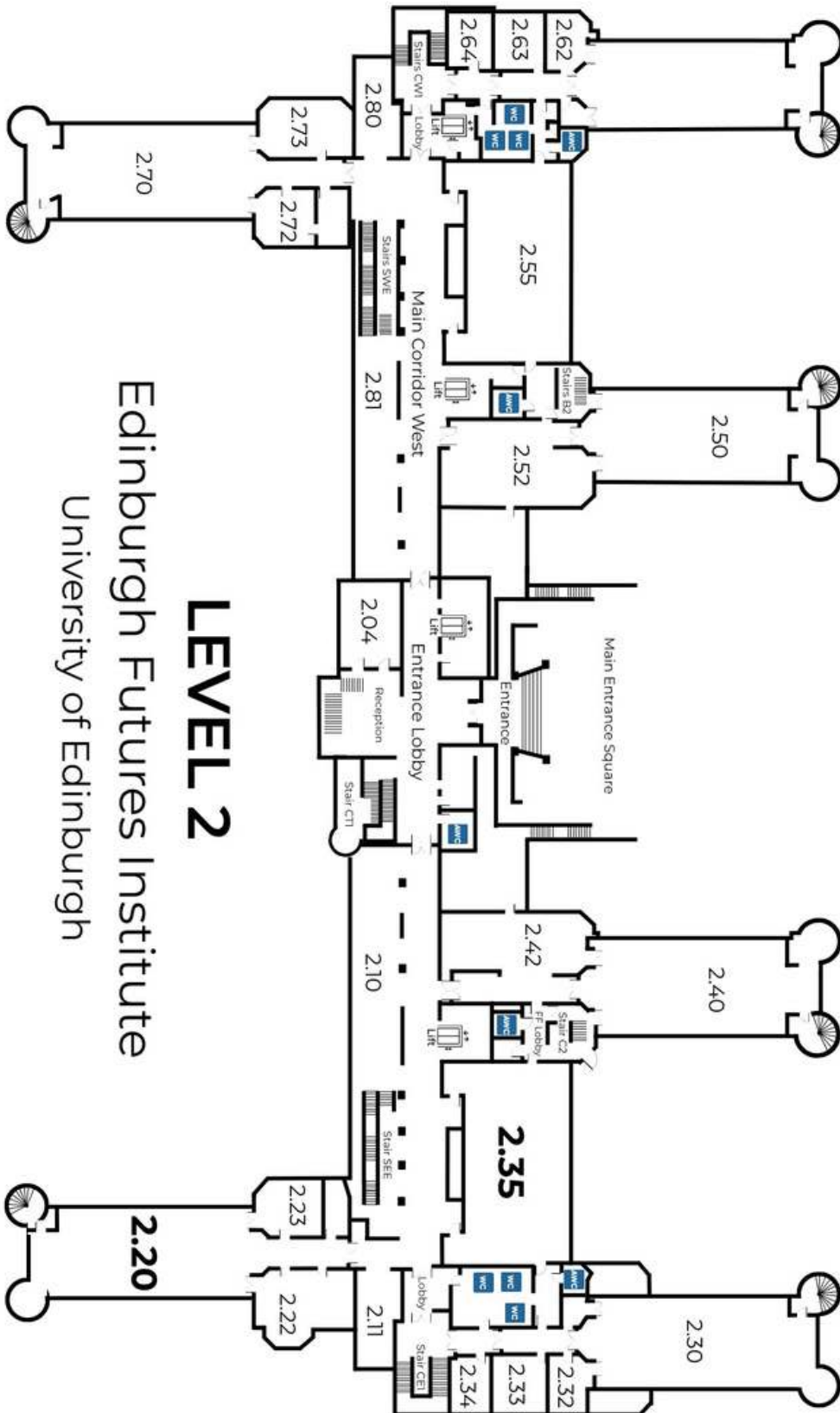
-  Sponsor Table
-  Coffee Table
-  Exit

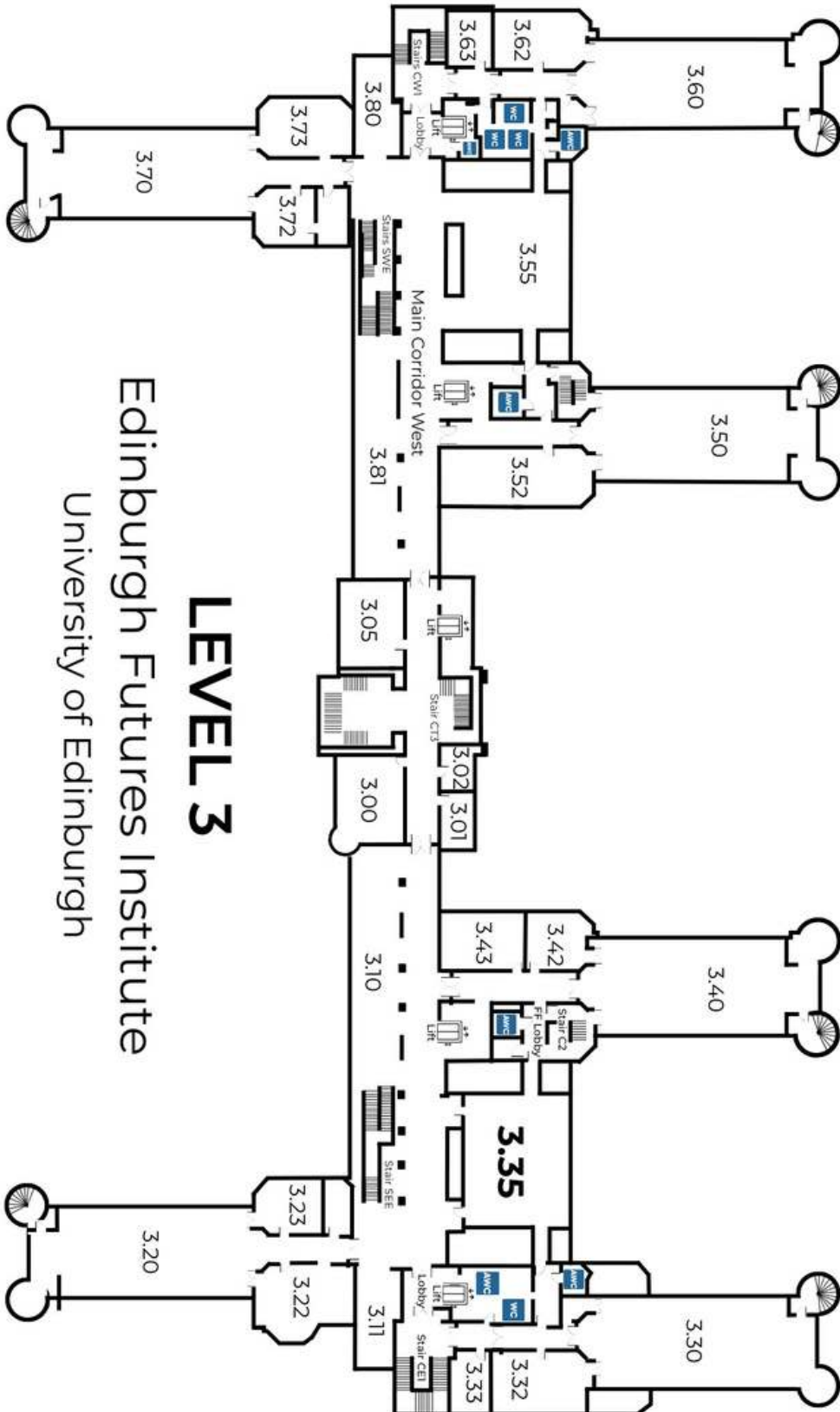






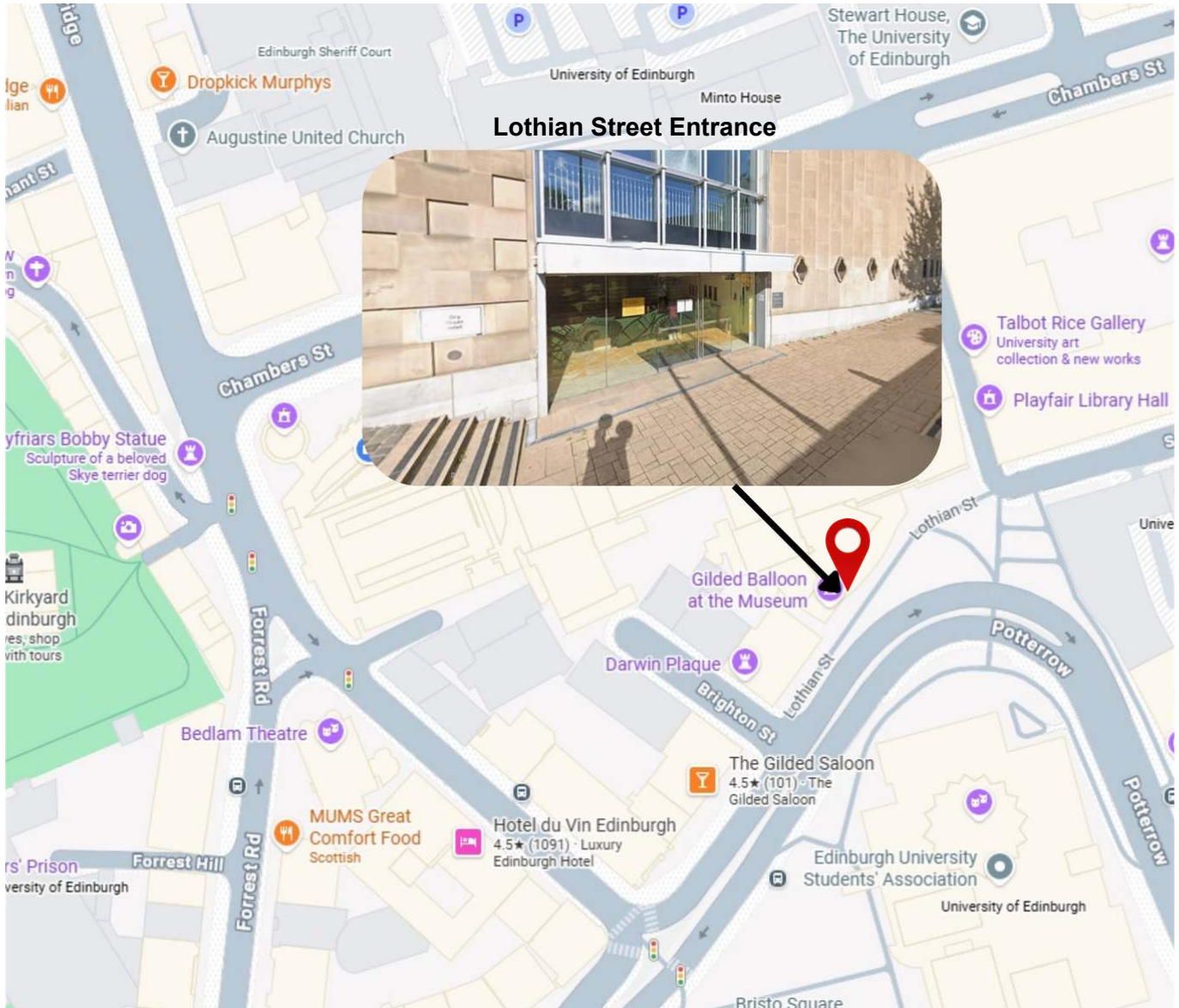








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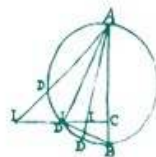
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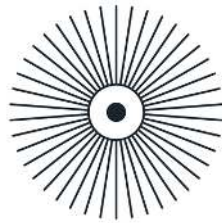
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# NOTES AND RECORDS

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# Sunday July 12, 2026

11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm
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<b>Gordon Aikman Lecture Theatre</b> Gordon Aikman Lecture Theatre	<b>12:00p - 5:00p</b> Registration Day 1			<b>5:00p - 7:00p</b> ESHS Early Career Lectures		
	<b>Institute for Advanced Studies in the Humaniti es</b> Seminar Room		<b>1:00p - 5:00p</b> HSS Council Meeting			

# Monday July 13, 2026

7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
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EFI 1.40		<b>9:15a - 10:45a</b> Transient Scientific Institutions: The International Polar Years in Comparative Perspectives	<b>11:00a - 12:30p</b> Book Reviewing and (Inter)disciplinarity in Postwar Science		<b>2:30p - 4:00p</b> Rarity in Medicine 1: New Narratives	<b>4:15p - 5:45p</b> Rarity in Medicine 2: Geographies and Politics	
EFI 1.50		<b>9:15a - 10:45a</b> The Palomares Nuclear Accident (Spain 1966) and Its International Impact	<b>11:00a - 12:30p</b> Whose Values Count? Political Commitments, Marginal Voices, and the Construction of Scientific Legitimacy		<b>2:30p - 4:00p</b> Herbs, Medicine, and Cures from the Earth	<b>4:15p - 5:45p</b> The Shared World of Ancient Medicine: A Conceptual Framework for Technical Circulation and Exchange in Eurasia and North Africa	
EFI 1.52		<b>9:15a - 10:45a</b> Findings in Digital Humanities 1: Ancient	<b>11:00a - 12:30p</b> Findings in Digital Humanities 2: Modern		<b>2:30p - 4:00p</b> New Perspectives on the History of Science Diplomacy 1	<b>4:15p - 5:45p</b> New Perspectives on the History of Science Diplomacy 2	
EFI 1.55		<b>9:15a - 10:45a</b> Heavens in Your Hand: Astral Artifacts and Practices across Eurasia	<b>11:00a - 12:30p</b> Emergence and Interpretation of the Principle of Energy Conservation in the Long 19th Century		<b>2:30p - 4:00p</b> Mathematics in Motion: Equations as Mediators for the Circulation of Knowledge	<b>4:15p - 5:45p</b> Transformations of Mathematics in the 20th Century	
EFI 1.60		<b>9:15a - 10:45a</b> What Are Protocols For? Strategies for Knowing More-Than-Human s in History and Science	<b>11:00a - 12:30p</b> Beyond Dobzhansky and the Rockefeller Foundation: a Counter-History of Genetics in Brazil		<b>2:30p - 4:00p</b> Ontologies of Waste: A Chaîne Opératoire Approach to Waste Knowledge and Practice in Longue Durée Eurasia	<b>4:15p - 5:45p</b> Instruments and Imperialism: Markets, Networks, and Patronage in the World of James Dinwiddie (1746-1815)	

# Monday July 13, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
<b>EFI</b> 2.20			<b>9:15a - 10:45a</b> Rewriting the History of Science		<b>11:00a - 12:30p</b> Representing Pregnancy: Science and Culture in the 20th Century 1			<b>2:30p - 4:00p</b> Representing Pregnancy: Science and Culture in the 20th Century 2		<b>4:15p - 5:45p</b> Predicting Fertility, Fertility's Predictions: Measuring Bodies, Norms, and Futures			
<b>EFI</b> 2.35			<b>9:15a - 10:45a</b> CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 1		<b>11:00a - 12:30p</b> CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 2			<b>2:30p - 4:00p</b> CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 3		<b>4:15p - 5:45p</b> CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 4			
<b>EFI</b> 3.35			<b>9:15a - 10:45a</b> Data Visualization and the History of Statistics 1		<b>11:00a - 12:30p</b> Data Visualization and the History of Statistics 2			<b>2:30p - 4:00p</b> Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks_1		<b>4:15p - 5:45p</b> Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks_2			
<b>EICC</b> Level 1 Carrick Suites 1			<b>9:15a - 10:45a</b> New Insights in Early Modern Science: Institutions		<b>11:00a - 12:30p</b> New Insights in Early Modern Science: Knowledge Production			<b>2:30p - 4:00p</b> New Insights in Early Modern Science: Materialities		<b>4:15p - 5:45p</b> New Insights in Early Modern Science: Savants			
<b>EICC</b> Level 1 Carrick Suites 2			<b>9:15a - 10:45a</b> Scientific Expeditions and the Co-Production of Knowledge		<b>11:00a - 12:30p</b> New Perspectives on the Circulation of Knowledge			<b>2:30p - 4:00p</b> Late Nineteenth-century Sciences		<b>4:15p - 5:45p</b> Knowing Nature in the 20th Century			
<b>EICC</b> Level 1 Carrick Suites 3			<b>9:15a - 10:45a</b> Measuring and Shaping Public Opinion in the 20th Century History of Science		<b>11:00a - 12:30p</b> Citizen Science in a Global Perspective			<b>2:30p - 4:00p</b> Science, Technology and Politics in the 20th Century		<b>4:15p - 5:45p</b> Science, Politics, and the Nation			

# Monday July 13, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
<b>EICC</b> -1 Conference Organisers Room					<b>11:00a - 12:30p</b> Measurement and Instrumentation		<b>1:00p - 2:00p</b> Institute for the International History of Medicine		<b>2:30p - 4:00p</b> Scientific Instruments				
<b>EICC</b> Level 2 Cromdale Hall			<b>9:15a - 10:45a</b> Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 1		<b>11:00a - 12:30p</b> Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 2				<b>2:30p - 4:00p</b> Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 3		<b>4:15p - 5:45p</b> Trust, Distrust, Faith and Disbelief		
<b>EICC</b> Level 3 Fintry Auditorium			<b>9:15a - 10:45a</b> Villains in Science and Nature		<b>11:00a - 12:30p</b> The Authoritarian Anthropocene: Twentieth-Century Party States and the Mobilization of Earth and Climate Knowledge				<b>2:30p - 4:00p</b> From Streams to Basins: Knowing and Governing Water in the 20th Century		<b>4:15p - 5:45p</b> The Late Ian Hacking's Legacy for the History of Science: Reasoning, Kinds, Trees of Life		
<b>EICC</b> Level 1 Harris Suite 1			<b>9:15a - 10:45a</b> Symposium: Alternative Epistemologies in the Life Sciences (C19 and C20), Part 1 ("Alternative Archives and Sources")		<b>11:00a - 12:30p</b> Symposium: Alternative Epistemologies in the Life Sciences (C19 and C20), Part 2 ("Alternative Actors in Knowledge Production")				<b>2:30p - 4:00p</b> Water Knowledge and Water Experts I		<b>4:15p - 5:45p</b> Water Knowledge and Water Experts II		
<b>EICC</b> Level 1 Harris Suite 2			<b>9:15a - 10:45a</b> Stratigraphy, Deep Time, and the Making of Geological Knowledge 1		<b>11:00a - 12:30p</b> Stratigraphy, Deep Time, and the Making of Geological Knowledge 2				<b>2:30p - 4:00p</b> Stratigraphy, Deep Time, and the Making of Geological Knowledge 3		<b>4:15p - 5:45p</b> Geosciences in the 19thC and 20thC		

# Monday July 13, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
<b>EICC</b> Level 0 Kilsyth Suite			<b>9:15a - 10:45a</b> Animal Histories I: Ordering the Unruly Across Imperial and Therapeutic Worlds		<b>11:00a - 12:30p</b> Animal Histories II: Taming Extractivism Across Elemental Worlds				<b>2:30p - 4:00p</b> Contested Conceptions of Atlantic Animals I		<b>4:15p - 5:45p</b> Models, Concepts and Boundaries in the 19th and Early 20th Century		
<b>EICC</b> Level 2 Lammermuir 1			<b>9:15a - 10:45a</b> After Loss: Ephemeral Histories of Science and Technology 1 - Ephemeral Instruments of Knowledge		<b>11:00a - 12:30p</b> After Loss: Ephemeral Histories of Science and Technology 2 - Ephemeral Sites of Technoscience		<b>1:00p - 2:00p</b> Forum for the History of Chemical Sciences Business Meeting		<b>2:30p - 4:00p</b> Genealogy & Inheritance between Passion, Law, and Science, I		<b>4:15p - 5:45p</b> Genealogy & Inheritance between Passion, Law, and Science, II		
<b>EICC</b> Level 2 Lammermuir 2			<b>9:15a - 10:45a</b> 'Beyond Bandung: Histories of Scientific, Technological and Medical Assistance between Decolonising Nations during the Cold War' 1		<b>11:00a - 12:30p</b> 'Beyond Bandung: Histories of Scientific, Technological and Medical Assistance between Decolonising Nations during the Cold War' 2				<b>2:30p - 4:00p</b> The Local and the Global in Scientific Information		<b>4:15p - 5:45p</b> Researchers and the Management of Scientific Journals in the Mid-20th-Century: Franco-British Perspectives		
<b>EICC</b> Level 2 Lennox 1			<b>9:15a - 10:45a</b> Observing Natural Signs in Early Modern Occult Philosophy		<b>11:00a - 12:30p</b> Circulating Care: Universities, Hospitals, and the Making of Medical Expertise				<b>2:30p - 4:00p</b> Natural Extraction: Shifting Epistemic Hierarchies Within the Danish Atlantic Empire, 1770–1940		<b>4:15p - 5:45p</b> Science at the End of Empire: Britain's Studies of the Body		
<b>EICC</b> Level 2 Lennox 2			<b>9:15a - 10:45a</b> When Scientific Images Go Rogue: Popularization, Pluralization, and Contestation		<b>11:00a - 12:30p</b> Diagnosing Difference in Biomedicine				<b>2:30p - 4:00p</b> From the Household to the Lab: Tracing Gendered Labour of Collection (18th-20th centuries)		<b>4:15p - 5:45p</b> Human Isolates and Population Admixtures: The Changing Politics of Human Genetics in the 20th and 21st Centuries		

# Monday July 13, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
<b>EICC</b> Level 2 Lennox 3			<b>9:15a - 10:45a</b> Plant Humanities 1 - Mapping an Emerging Field		<b>11:00a - 12:30p</b> Plant Humanities 2 - Rethinking Scientific Collections: Herbaria and Exsiccata			<b>2:30p - 4:00p</b> Plant Humanities 3 - Case Study: The Eastern Mediterranean Plants		<b>4:15p - 5:45p</b> Plants, Heritage and Colonial Histories – A Roundtable			
<b>EICC</b> Level 1 Lowther			<b>9:15a - 10:45a</b> Transcultural Psychiatry and the Sinophone Pacific		<b>11:00a - 12:30p</b> Behavioral Science Beyond the Laboratory: Social Environments, Animal Models, and the Politics of Experimentation			<b>2:30p - 4:00p</b> The Making of Psychotherapeutic Knowledge: Research Practices, Epistemic Cultures, and Disciplinary Negotiations 1		<b>4:15p - 5:45p</b> The Making of Psychotherapeutic Knowledge: Research Practices, Epistemic Cultures, and Disciplinary Negotiations 2			
<b>EICC</b> Level 1 Menteith			<b>9:15a - 10:45a</b> Shifting Perspectives: Diversity, Geographies, and Possibilities in the Physical Sciences (no 1)		<b>11:00a - 12:30p</b> Shifting Perspectives: Diversity, Geographies, and Possibilities in the Physical Sciences (no 2)			<b>2:30p - 4:00p</b> Classifying Nature, Reordering East Asia: Science and Identity in Postwar Japan and South Korea		<b>4:15p - 5:45p</b> Contested Bodies: Science and Statecraft in 20th-Century China and Taiwan			
<b>EICC</b> Level 2 Moffat			<b>9:15a - 10:45a</b> Fertility and the Sexed Body: Fluids and Health		<b>11:00a - 12:30p</b> Fertility and the Sexed Body: Forms of Control			<b>2:30p - 4:00p</b> Fertility and the Sexed Body: Midwifery and Childbirth		<b>4:15p - 5:45p</b> Women Healers: Nursing in the Early 20th Century			
<b>EICC</b> Level 0 Moorfoot Suite			<b>9:15a - 10:45a</b> Decentralizing Women's Medicine: Plural Voices Describing Female Bodies in the Long Early Modern Period		<b>11:00a - 12:30p</b> Techniques of Observation and Experiment in Psychoanalysis			<b>2:30p - 4:00p</b> Cybernetic Anthropologies: Midcentury Redesigns of a Technomodern Field		<b>4:15p - 5:45p</b> Dissent, Translation, and Appropriation in Chemical Textbooks, 1760-1881			

# Monday July 13, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
<b>EICC</b> Level 1 Ochil Suite 1			<b>9:15a - 10:45a</b> From Contested "Foreign Science" in China to a Social History of Chinese Scientists in the World		<b>11:00a - 12:30p</b> Celestial Spheres			<b>2:30p - 4:00p</b> Thinking about Time and the Cosmos		<b>4:15p - 5:45p</b> Thinking about Time and Cosmos 2			
<b>EICC</b> Level 1 Ochil Suite 2			<b>9:15a - 10:45a</b> Institutions and Standards in the 19th and Early 20th Century		<b>11:00a - 12:30p</b> Public Health in the Americas			<b>2:30p - 4:00p</b> Public Health in Europe		<b>4:15p - 5:45p</b> Medical Professionalization and Its Histories			
<b>EICC</b> Level 1 Ochil Suite 3			<b>9:15a - 10:45a</b> Imperial Botany in Asia		<b>11:00a - 12:30p</b> Grafting Colonial Botanies			<b>2:30p - 4:00p</b> Hidden Legacies of Slavery and Freedom in the History of Science		<b>4:15p - 5:45p</b> Making and Unmaking Colonial Science			
<b>EICC</b> Pentland Auditorium			<b>9:15a - 10:45a</b> Openness in the History of 20th Science Governance		<b>11:00a - 12:30p</b> Histories of Science and the University 20 Years after William Clark's Academic Charisma			<b>2:30p - 4:00p</b> Rethinking Darwinism: New Perspectives on the History of Evolutionary Thought		<b>4:15p - 5:45p</b> Technology through the Kaleidoscope: Shifting Perspectives by Playing with Prepositions			
<b>EICC</b> Level 3 Pentland Suite												<b>6:15p - 8:00p</b> Opening Plenary: Thinking Across Time: History is Now	
<b>EICC</b> Level 1 Platform 5			<b>9:15a - 10:45a</b> Practitioners, Artisans and Instruments in the Making of Premodern Science, I		<b>11:00a - 12:30p</b> Practitioners, Artisans and Instruments in the Making of Premodern Science, II			<b>2:30p - 4:00p</b> Practitioners, Artisans and Instruments in the Making of Premodern Science, III		<b>4:15p - 5:45p</b> At the Fringes of Earth Science Models			

# Monday July 13, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm
<b>EICC</b> Level 3 Sidlaw Auditorium			<b>9:15a - 10:45a</b> Hazards, Accidents, and Knowledge Production in Modern Industry		<b>11:00a - 12:30p</b> Technical Professions and the Making of Middle Classes: Transnational Perspectives from the 19th to the 20th Century			<b>2:30p - 4:00p</b> Shifting Perspectives on the History of Discovering DNA's Double Helix Structure		<b>4:15p - 5:45p</b> Material Culture and the History of Mathematical Science: Exploring Regional Traditions			
<b>EICC</b> Ground Strathblane Hall		<b>8:00a - 6:00p</b> Registration Day 2											
<b>EICC</b> Ground Strathblane Hall						<b>12:00p - 5:00p</b> Exhibit Hall Day 1							
<b>EICC</b> Level 0 Tinto Suite			<b>9:15a - 10:45a</b> Making Global Temperature Across Land, Ice and Oceans		<b>11:00a - 12:30p</b> Universal Claims and Their Consequences in the 20th- and 21st-Century Earth and Climate Sciences			<b>2:30p - 4:00p</b> Plural Epistemologies and The Role of Time in the History of Waterscapes		<b>4:15p - 5:45p</b> Listening Otherwise: Epistemic Justice and Methods of Research Participation in Histories of Reproductive Biomedicine			

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm	
EFI 1.40			<b>9:15a - 10:45a</b> Animal Networks. Zoos in the Peripheries 1		<b>11:00a - 12:30p</b> Animal Networks. Zoos in the Peripheries 2			<b>2:30p - 4:00p</b> Animal Networks. Zoos in the Peripheries 3		<b>4:15p - 5:45p</b> (Mis)Understan ding Animals? Biology, Epistemic Uncertainty, and Non-Human Animal Management in the Late Nineteenth and Twentieth Centuries							
EFI 1.50			<b>9:15a - 10:45a</b> Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 1		<b>11:00a - 12:30p</b> Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 2			<b>2:30p - 4:00p</b> Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 3		<b>4:15p - 5:45p</b> Scientific Travel in Colonial Contexts: Logistics, Politics and Practices							
EFI 1.52			<b>9:15a - 10:45a</b> Early Modern Medicine 1		<b>11:00a - 12:30p</b> Early Modern Medicine 2			<b>2:30p - 4:00p</b> Evolutionary Histories 1		<b>4:15p - 5:45p</b> Evolutionary Histories 2							
EFI 1.55			<b>9:15a - 10:45a</b> Shifting Perspectives in Historiography of Science under the Fascist Rule 1		<b>11:00a - 12:30p</b> Shifting Perspectives in Historiography of Science under the Fascist Rule 2			<b>2:30p - 4:00p</b> Plastic Amnesias: Forgotten Histories of Plastics and Health - I		<b>4:15p - 5:45p</b> Plastic Amnesias: Forgotten Histories of Plastics and Health - II							

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm	
EFI 1.60			<b>9:15a - 10:45a</b> European Surgeons Across the Early Modern World: Itineracy, Knowledge, and Practice		<b>11:00a - 12:30p</b> Beyond Universalisms and Flat Pluralisms: East Asia as Method for the Global History of Science			<b>2:30p - 4:00p</b> Space, Science, and Imagined Futures		<b>4:15p - 5:45p</b> Film and the Mind Sciences at the Margins: Research, Diagnosis, Popularisation							
EFI 2.20			<b>9:15a - 10:45a</b> What Is the History of Science? Part 1		<b>11:00a - 12:30p</b> What is the History of Science? Part 2			<b>2:30p - 4:00p</b> Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (1 of 2)		<b>4:15p - 5:45p</b> Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (2 of 2)							
EFI 2.35			<b>9:15a - 10:45a</b> Medicine, State Power, and Epistemic Hybridity in Maoist and Socialist China		<b>11:00a - 12:30p</b> Scientific Authority and Sacred Domains in the 19th-Century Mediterranean			<b>2:30p - 4:00p</b> Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices I		<b>4:15p - 5:45p</b> Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices II							
EFI 3.35			<b>9:15a - 10:45a</b> Past and Present Indigenous Knowledges and Scientific Authority in the Americas		<b>11:00a - 12:30p</b> Legitimizing Agricultural Risk: Science, Bodies and Knowledge Across Global Farming			<b>2:30p - 4:00p</b> From Text to Treatment: Practical Cultures of Learned Medicine, 1000–1650 c.		<b>4:15p - 5:45p</b> Other Voices in Early Modern Science							

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
<b>EICC</b> Level 1 Carrick Suites 1			<b>9:15a - 10:45a</b> Sciences and Spiritualism		<b>11:00a - 12:30p</b> Contested Theories of Body and Mind			<b>2:30p - 4:00p</b> Gendered Innovations and Limitations		<b>4:15p - 5:45p</b> Forensic Science in Transtemporal Perspective						
<b>EICC</b> Level 1 Carrick Suites 2			<b>9:15a - 10:45a</b> Histories of Mathematics		<b>11:00a - 12:30p</b> Popularisation and the 19th Century History of British Science			<b>2:30p - 4:00p</b> Governing Medicine in the 20thC		<b>4:15p - 5:45p</b> Bodies, Signs, and Healing Arts across Medieval Medical Traditions						
<b>EICC</b> Level 1 Carrick Suites 3			<b>9:15a - 10:45a</b> Public Health and Governance in the 19th and Early 20th Century		<b>11:00a - 12:30p</b> New Histories of Nuclear Science			<b>2:30p - 4:00p</b> Reimagining Alchemy		<b>4:15p - 5:45p</b> Old Collections, New Stories: Doing Natural History Humanities in Cambridge and Beyond						
<b>EICC</b> -1 Conferenc e Organisers Room			<b>9:15a - 10:45a</b> GRAPHICS AND TEXT TWENTY YEAR LATER-1: Patterns, Charts And Maps For The State		<b>11:00a - 12:30p</b> GRAPHICS AND TEXT TWENTY YEAR LATER-2: Diagrams, Figures, Plans And Graffiti In Translation		<b>1:00p - 2:00p</b> Royal Society/N otes and Records			<b>4:15p - 5:45p</b> Engineering Frontiers: Water, Expertise, and the Social Costs of Hydraulic Modernization						
<b>EICC</b> Level 2 Cromdale Hall			<b>9:15a - 12:30p</b> Invisible Actors in Biomedical and Environmental Sciences (I) & (II)					<b>2:30p - 4:00p</b> Exchanged, Marginalized, Lost: Imperial Itineraries of Scientific Objects		<b>4:15p - 5:45p</b> How to Visualize the Previously Unknown – A Multidisciplinary Approach						

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm	
<b>EICC</b> Level 3 Fintry Auditorium			<b>9:15a - 10:45a</b> Science Diplomacy: Cooperation, Competition and Crisis 1		<b>11:00a - 12:30p</b> Science Diplomacy: Cooperation, Competition and Crisis 2			<b>2:30p - 4:00p</b> Science Diplomacy: Cooperation, Competition and Crisis 3		<b>4:15p - 5:45p</b> Science Diplomacy: Cooperation, Competition and Crisis 4		<b>6:15p - 7:15p</b> HSS Prize Ceremon y & Sarton Medalist Address					
<b>EICC</b> Level 1 Harris Suite 1			<b>9:15a - 10:45a</b> Epidemiology Unbound 1		<b>11:00a - 12:30p</b> Epidemiology Unbound 2			<b>2:30p - 4:00p</b> Epidemiology Unbound 3		<b>4:15p - 5:45p</b> Visual Tools in Global Histories of Medicine							
<b>EICC</b> Level 1 Harris Suite 2			<b>9:15a - 10:45a</b> Computer Sciences		<b>11:00a - 12:30p</b> New Perspective on the Histories of Mathematics		<b>1:00p - 2:00p</b> Forum for the History of Mathema tical Sciences Business Meeting		<b>2:30p - 4:00p</b> Global Perspectives on Science, Technology and Politics		<b>4:15p - 5:45p</b> Contested Sciences						
<b>EICC</b> Level 0 Kilsyth Suite			<b>9:15a - 10:45a</b> Recovering the Histories of Women in Quantum Physics 1		<b>11:00a - 12:30p</b> Recovering the Histories of Women in Quantum Physics 2			<b>2:30p - 4:00p</b> Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 01		<b>4:15p - 5:45p</b> Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation , and a Plural World 02							

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
EICC Level 2 Lammermuir 1			<b>9:15a - 10:45a</b> History of Quantum Optics 1		<b>11:00a - 12:30p</b> History of Quantum Optics 2		<b>1:00p - 2:00p</b> Pacific Circle Business Meeting		<b>2:30p - 4:00p</b> Mathematics in Manuscripts 1		<b>4:15p - 5:45p</b> Mathematics in Manuscripts 2					
EICC Level 2 Lammermuir 2			<b>9:15a - 10:45a</b> Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings I		<b>11:00a - 12:30p</b> Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings II		<b>1:00p - 2:00p</b> Forum for History of Human Science Business Meeting		<b>2:30p - 4:00p</b> Touching Machines, Remaking Realities: Embodied Encounters between Humans and Technology in Modern China		<b>4:15p - 5:45p</b> Wells, Labs, and Corridors: Situated Infrastructures and the Production of Scientific Knowledge					
EICC Level 2 Lennox 1			<b>9:15a - 10:45a</b> Ground Truth: From Local Data to Global Theories of the Earth		<b>11:00a - 12:30p</b> The Politics, Epistemology and Ethics of Medical Evidence, ca. 1960–ca. 2000				<b>2:30p - 4:00p</b> How Sciences End 1		<b>4:15p - 5:45p</b> How Sciences End 2					
EICC Level 2 Lennox 2			<b>9:15a - 10:45a</b> Infrastructure of Empire and Knowledge in the Nineteenth and Twentieth Century Middle East		<b>11:00a - 12:30p</b> Ex Oriente & In Orientem Scientia: Entangled Knowledge through the Early Modern Indian, Atlantic and Pacific Oceans				<b>2:30p - 4:00p</b> Raising Exceptional Children: Psychology, Education, and Motherhood		<b>4:15p - 5:45p</b> Reappraising Three Iconic Images in the History of Science					

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
<b>EICC</b> Level 2 Lennox 3			<b>9:15a - 10:45a</b> Peripheries of Power: The Political Economy of Technological Transfer in Late Cold War Europe		<b>11:00a - 12:30p</b> Wires Across Borders: Transnational Perspectives on Electrical Histories					<b>2:30p - 4:00p</b> Laboratories of Concealment: New Perspectives on Postwar Science, Secrecy and the State			<b>4:15p - 5:45p</b> The Environmental Lives of Things: Science and Technology, Environmental History, and Material Culture			
	<b>EICC</b> Level 1 Lowther		<b>9:15a - 10:45a</b> Contested Anatomy		<b>11:00a - 12:30p</b> "Facing" the Past: Race, Craniometry, and the Afterlives of Human Skulls		<b>1:00p - 2:00p</b> Publishing in History of Science: A Dialogue between Editors, Publishers, Readers, and Authors			<b>2:30p - 4:00p</b> Literary Technologies and the Science of Literature			<b>4:15p - 5:45p</b> Psychological Sciences in East and Southeast Asia, 19th to Mid-20th Centuries			
		<b>EICC</b> Level 1 Menteith		<b>9:15a - 10:45a</b> Histories of Biogeography Part 1		<b>11:00a - 12:30p</b> Histories of Biogeography Part 2		<b>1:00p - 2:00p</b> Forum for the History of Science and Knowledge in Latin America Business Meeting			<b>2:30p - 4:00p</b> Scales of the Earth: Space, Science and the Specters of Planetary History 01			<b>4:15p - 5:45p</b> Scales of the Earth: Space, Science and the Specters of Planetary History 02		

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
<b>EICC</b> Level 2 Moffat			<b>9:15a - 10:45a</b> Histories of Chemistry		<b>11:00a - 12:30p</b> Better Living through Chemistry				<b>2:30p - 4:00p</b> Intersections between History and Philosophy of Physics		<b>4:15p - 5:45p</b> Developments in the History of Particle Physics					
<b>EICC</b> Level 0 Moorfoot Suite			<b>9:15a - 10:45a</b> Beyond 'Botany': Plant Knowledges across South Asia		<b>11:00a - 12:30p</b> Plant Transfers Beyond Botany: Histories of Human-mediated Long-distance Dispersals to and from Latin America				<b>2:30p - 4:00p</b> Managing Complexity: Investigating Plants, Forests, and Oceans in Late Nineteenth-Century Germany		<b>4:15p - 5:45p</b> Plural Plant and Fungal Worlds					
<b>EICC</b> Level 1 Ochil Suite 1			<b>9:15a - 10:45a</b> Minds over Matter 1		<b>11:00a - 12:30p</b> Minds over Matter 2				<b>2:30p - 4:00p</b> Resource Management, Defined and Redefined		<b>4:15p - 5:45p</b> Producing Landscape					
<b>EICC</b> Level 1 Ochil Suite 2			<b>9:15a - 10:45a</b> Science Publishing Across Time		<b>11:00a - 12:30p</b> The Language of Science				<b>2:30p - 4:00p</b> Alternative Sites of Knowledge Production		<b>4:15p - 5:45p</b> Revelations in Natural History					
<b>EICC</b> Level 1 Ochil Suite 3			<b>9:15a - 10:45a</b> Reconsidering Spontaneous Generetation		<b>11:00a - 12:30p</b> Through Archival and Material Sources: New Perspectives in the History of Physics (19th–20th Centuries)				<b>2:30p - 4:00p</b> Contested Knowledges of Climate, Food and Famine		<b>4:15p - 5:45p</b> What to Do with the "Heroes" of Science?					

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
<b>EICC</b> Pentland Auditorium			<b>9:15a - 10:45a</b> The Impact of the Digital Revolution on the History of Science and its Social Implications-1		<b>11:00a - 12:30p</b> The Impact of the Digital Revolution on the History of Science and its Social Implications-2				<b>2:30p - 4:00p</b> The Impact of the Digital Revolution on the History of Science and its Social Implications-3		<b>4:15p - 5:45p</b> The Impact of the Digital Revolution on the History of Science and its Social Implications-4					
<b>EICC</b> Level 1 Platform 5			<b>9:15a - 10:45a</b> Early Modern Intersections of Knowledge		<b>11:00a - 12:30p</b> Contested Fishscapes: Fisheries, Science, and Development in the Twentieth Century		<b>1:00p - 2:00p</b> MPIWG Networki ng Lunch		<b>2:30p - 4:00p</b> Shifting Perspectives on Gendered Knowledge: Medical and Psychological Practices in Transition		<b>4:15p - 5:45p</b> Representing the Sky from the Earth and Vice Versa: Gnomonic, Archeoastrono my, Cartography and Geometry					
<b>EICC</b> Level 3 Sidlaw Auditorium			<b>9:15a - 10:45a</b> GECC Diversity Roundtable: Race in the Academy		<b>11:00a - 12:30p</b> On the Fringe? Constructing and Contesting Boundaries of "Science" in Modern China		<b>1:00p - 2:00p</b> GECC Listening Session		<b>2:30p - 4:00p</b> Science, Knowledge, and Technology in Modern China: Vernacularizati on and Global Diffusion		<b>4:15p - 5:45p</b> China Observed: Science and the British Encounter with China in the Nineteenth and Twentieth Centuries		<b>6:15p - 7:00p</b> ESHS Preside ntial Lecture: Seeking Commo n Ground: Historie s of the Science s in Divisive Times			
<b>EICC</b> Ground Strathblan e Hall		<b>8:00a - 6:00p</b> Registration Day 3														

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
<b>EICC</b> Ground Strathblane Hall	<b>9:00a - 5:00p</b>															
<b>EICC</b> Level 0 Tinto Suite			<b>9:15a - 10:45a</b> The Double Life of Sex: Queer and Feminist Interventions into the History of Biology		<b>11:00a - 12:30p</b> Beyond Binaries in LGBTQI+ Histories of Sexology: Bi, Trans, Intersex				<b>2:30p - 4:00p</b> Burying the Torch: Illuminating Diverse Actors in the Making of Premodern Knowledge		<b>4:15p - 5:45p</b> Disability Sciencing: Measuring and Classification at Sites of Knowledge-Ma king					
<b>National Museum of Scotland</b> Auditorium			<b>9:15a - 10:45a</b> Sources beyond the Archive		<b>11:00a - 12:30p</b> Histories and Historiographie s of the Human Sciences in the Americas during the Long 1970s				<b>2:30p - 4:00p</b> History of Science as Agent of Change? Handling Colonial Natural History Objects		<b>4:15p - 5:45p</b> Collections, Archives, Libraries, and Museums: How, Why, and So What?					
<b>National Museum of Scotland</b> Grand Gallery													<b>7:30p - 8:15p</b> Nation al Museum of Scotla nd Relax ed Visit and Curato r Talks	<b>8:15p - 11:00p</b> ESHS/HSS Reception and Cèilidh at The National Museum of Scotland		

## Tuesday July 14, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm
National Museum of Scotland Seminar Room																
			9:15a - 10:45a Museums and the Global History of Science		11:00a - 12:30p Museums of "Modern" Science		1:00p - 2:00p British Society for the History of Science EGM		2:30p - 4:00p Colonialism, Collecting, and Ethnology		4:15p - 5:45p Collecting Amazonian Knowledges					

### Wednesday July 15, 2026

7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
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56 North 56 North Bar												<b>7:00p - 10:00p</b> Graduate Student and Early Career Scholar Mixer	
	EFI 1.40			<b>11:00a - 12:30p</b> Science and Empire in the Anthropocene: Towards an Environmental Shift 2 - Making Imperial Worlds		<b>1:00p - 2:00p</b> Science and Empire Commissi on		<b>2:30p - 4:00p</b> Science and Empire in the Anthropocene: Towards an Environmental Shift 3 - (Post)-Imperial Ecologies		<b>4:15p - 5:45p</b> Science and Empire in the Anthropocene: Towards an Environmental Shift 4 - Imperial Medicine Contested			
	EFI 1.50	<b>9:15a - 10:45a</b> The Science and Medicine of Habits I: Habits, the Body and Space	<b>11:00a - 12:30p</b> The Science and Medicine of Habits II: Habits, The Body and Health			<b>2:30p - 4:00p</b> The Science and Medicine of Habits III: Habits, the Body and Disorder	<b>4:15p - 5:45p</b> The History of Distrust in Medical Science						
	EFI 1.52	<b>9:15a - 10:45a</b> Histories of Archaeology 1	<b>11:00a - 12:30p</b> Histories of Archaeology 2			<b>2:30p - 4:00p</b> Knowable and Unknowable Nature							
	EFI 1.55	<b>9:15a - 10:45a</b> DH in the History of Premodern Sciences 1	<b>11:00a - 12:30p</b> DH in the History of Premodern Sciences 2			<b>2:30p - 4:00p</b> Recasting the History of Almanacs 1	<b>4:15p - 5:45p</b> Recasting the History of Almanacs 2						
	EFI 1.60	<b>9:15a - 10:45a</b> Imperial Instruments: Tools for Astronomy and Mathematics in China from Song to Qing	<b>11:00a - 12:30p</b> Genealogies of Learning and Communities of Practice: New Perspectives on Early Modern Knowledge			<b>2:30p - 4:00p</b> Boundaries and Hierarchies of Modern Medical Practice in Republican Beijing (1911 – 1949)	<b>4:15p - 5:45p</b> Cold War Public Health in East Asia: Gender, Race, and Biopolitics						

### Wednesday July 15, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EFI</b> 2.20			<b>9:15a - 10:45a</b> Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes		<b>11:00a - 12:30p</b> Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes 2			<b>2:30p - 4:00p</b> Self(re)presentation of a European Scholar Across Political Regimes 3		<b>4:15p - 5:45p</b> Woods beyond Timber: Ecology, Material Transformation and Pluralities of Knowledge across Early Modern Asia					
<b>EFI</b> 2.35			<b>9:15a - 10:45a</b> New Perspectives on Collaboration in Science 1		<b>11:00a - 12:30p</b> New Perspectives on Collaboration in Science 2			<b>2:30p - 4:00p</b> Shifting Narratives in Space Science and Technology (1)		<b>4:15p - 5:45p</b> Shifting Narratives in Space Science and Technology (2)					
<b>EFI</b> 3.35			<b>9:15a - 10:45a</b> Pluralizing the Heritage: Ancient Authors Between Transmission, Contestation, and Reinvention		<b>11:00a - 12:30p</b> Plural Worlds of Care: Transnational Exchanges and Contested Professional Boundaries in Nursing and Rehabilitation			<b>2:30p - 4:00p</b> Plural Worlds of Science and Shifting Perspectives on Home Economics, 1870-1990		<b>4:15p - 5:45p</b> Second Nature: Synthetic Materials and the (Re)making of Biological Knowledge in the Twentieth Century					
<b>EICC</b> Level 1 Carrick Suites 1			<b>9:15a - 10:45a</b> Shifting Perspectives on Histories of Gravity and Mass 1		<b>11:00a - 12:30p</b> Shifting Perspectives on Histories of Gravity and Mass 2			<b>2:30p - 4:00p</b> Shifting Perspectives on Histories of Gravity and Mass 3		<b>4:15p - 5:45p</b> The Limits of Sex					
<b>EICC</b> Level 1 Carrick Suites 2			<b>9:15a - 10:45a</b> Health During and After the British Empire		<b>11:00a - 12:30p</b> Disability's Conscription in British History			<b>2:30p - 4:00p</b> Bodies in Modern Medicine		<b>4:15p - 5:45p</b> Entangled Arts: Alchemy, Magic, Cryptography, and Prognostication in Early Modern Europe					

### Wednesday July 15, 2026

		7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EICC</b> Level 1 Carrick Suites 3				<b>9:15a - 10:45a</b> Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 1		<b>11:00a - 12:30p</b> New Insights in Modern Science					<b>4:15p - 5:45p</b> Disciplinary Perspectives on the London Bills of Mortality, 1518–1858					
	<b>EICC</b> Level 2 Cromdale Hall			<b>9:15a - 10:45a</b> Rewiring Humans 1: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers		<b>11:00a - 12:30p</b> Rewiring Humans 2: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers			<b>2:30p - 4:00p</b> GECC Lightning Talks		<b>4:15p - 5:45p</b> (Mario Biagioli In Memoriam) Into the Mouth of the Wolf: Scientific Authorship, Self-Fashioning, and Other Tightrope Walks in the Works of Mario Biagioli					
		<b>EICC</b> Level 3 Fintry Auditorium			<b>9:15a - 10:45a</b> Histories of Habitability		<b>11:00a - 12:30p</b> History of Science After Gaza: From Complicity to Accountability?			<b>2:30p - 4:00p</b> Science and the State: A Global Story		<b>4:15p - 5:45p</b> New Directions at the Intersection of Oral History, Digital Humanities, and the History of Science				

### Wednesday July 15, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	
<b>EICC</b> Level 1 Harris Suite 1			<b>9:15a - 10:45a</b> Local Practices, Contested Knowledge: Making Animal Sciences in Rural Europe (17th-19th Centuries)		<b>11:00a - 12:30p</b> Hidden Botanical Cultures: Networks, Gender, and Exile in the Making of Botany in the Italian Peninsula (18th-20th centuries)   Sponsored by the Italian Society for the History of Science (SISS)		<b>1:00p - 2:00p</b> ESHS Institutional Representatives Meeting			<b>2:30p - 4:00p</b> Bodies, Values, Materiality: New Histories of Health and Illness in Early Modern Latin America			<b>4:15p - 5:45p</b> Racialising Humans			
<b>EICC</b> Level 1 Harris Suite 2			<b>9:15a - 10:45a</b> Science and Spiritualism: Current Perspectives and Future Directions		<b>11:00a - 12:30p</b> Shaping Nature 1: Agriculture and Forestry 20th C					<b>2:30p - 4:00p</b> Shaping Nature 2: Insects 20thC			<b>4:15p - 5:45p</b> Shaping Nature 3: Agriculture in the Long 19thC			
<b>EICC</b> Level 0 Kilsyth Suite			<b>9:15a - 10:45a</b> Chinese Visual Epistemic Technologies 1 (In honor of Francesca Bray)		<b>11:00a - 12:30p</b> Chinese Visual Epistemic Technologies 2 (In honor of Francesca Bray)					<b>2:30p - 4:00p</b> Chinese Visual Epistemic Technologies 3 (In honor of Francesca Bray)			<b>4:15p - 5:45p</b> From Sketch to Knowledge: Visual Mediation in Early Modern Natural History			
<b>EICC</b> Level 2 Lammermuir 1			<b>9:15a - 10:45a</b> Nuclear History as Global History: Current Debates and New Perspectives 1		<b>11:00a - 12:30p</b> Nuclear History as Global History: Current Debates and New Perspectives 2		<b>1:00p - 2:00p</b> Forum for the History of Science in Asia Business Meeting			<b>2:30p - 4:00p</b> Nuclear History as Global History: Current Debates and New Perspectives 3						

### Wednesday July 15, 2026

		7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EICC</b> Level 2 Lammermuir 2				<b>9:15a - 10:45a</b> Constructing the Monstrous Body in Early Modern Europe 1		<b>11:00a - 12:30p</b> Constructing the Monstrous Body in Early Modern Europe 2		<b>1:00p - 2:00p</b> CALM Business Meeting		<b>2:30p - 4:00p</b> Astrology, Thought, and Power in the Premodern Mediterranean Region		<b>4:15p - 5:45p</b> Under Planetary-Scale Framework: Technology, the State, and Global Order in 20th-Century East Asian Meteorological History				
				<b>9:15a - 10:45a</b> Minescapes 1: What is a "Minescape"?		<b>11:00a - 12:30p</b> Minescapes 2: Mining for Blue		<b>1:00p - 2:00p</b> The Crisis of Science in the United States and Its Potential Global Impact: An Exchange with Mitchell G. Ash, John Krige and Kostas Tampakis		<b>2:30p - 4:00p</b> Minescapes 3: Religion as Knowledge Matrix between Earth Science and Resource Management						
				<b>9:15a - 10:45a</b> Diagrammatic Computations and Their Symbolic Aspects (I)		<b>11:00a - 12:30p</b> Diagrammatic Computations and Their Symbolic Aspects (II)				<b>2:30p - 4:00p</b> Diagrammatic Computations and Their Symbolic Aspects (III)		<b>4:15p - 5:45p</b> Problematizing Colonial Instructions: The Global Context of Scientific and Medical Information, 1650-1850				

### Wednesday July 15, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EICC</b> Level 2 Lennox 3			<b>9:15a - 10:45a</b> Crafts of Microbes: Women and Gender from Antibiotics to Genetic Engineering and the Microbiome		<b>11:00a - 12:30p</b> Polyvocal Transmissions of Knowledge in Psychiatry and Neurosurgery					<b>2:30p - 4:00p</b> Global Knowledge(s): From Mono- to Plurilingual Research at the Intersection of Digital Humanities/AI, Language Corpora, and the Making of Scientific Knowledge			<b>4:15p - 5:45p</b> Modernity, Mysticism and Mathematics		
<b>EICC</b> Level 1 Lowther			<b>9:15a - 10:45a</b> HPS Across Borders		<b>11:00a - 12:30p</b> Lost in Translation? Science Wars from a Transnational Perspective		<b>1:00p - 2:00p</b> Early Sciences Forum Business Meeting			<b>2:30p - 4:00p</b> Beauty matters. Contested arts, contested sciences in the premodern world			<b>4:15p - 5:45p</b> Bodies in Bondage: Medical Knowledge, Regimes of Health, and Resistance in the Early Modern Mediterranean		
<b>EICC</b> Level 1 Menteith			<b>9:15a - 10:45a</b> Andean Sciences Untranslated		<b>11:00a - 12:30p</b> Making Economies: Planning and Economic Knowledge, 1930 - 1980		<b>1:00p - 2:00p</b> Earth and Environment Forum Business Meeting			<b>2:30p - 4:00p</b> Sea-Work and Modern Science 1900-1939 1			<b>4:15p - 5:45p</b> Sea-Work and Modern Science 1900-1939 2		
<b>EICC</b> Level 2 Moffat			<b>9:15a - 10:45a</b> Biology's 20th Century Evolution: From Genetics to AI		<b>11:00a - 12:30p</b> Eugenics' Long History					<b>2:30p - 4:00p</b> Evolutions in Heredity			<b>4:15p - 5:45p</b> Genetic Counselling		

### Wednesday July 15, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EICC</b> Level 0 Moorfoot Suite			<b>9:15a - 10:45a</b> The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 1		<b>11:00a - 12:30p</b> The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 2		<b>1:00p - 2:00p</b> In Memory of Margaret Rossiter: Old and New Challenge s. Meeting of the Commissi on on Women and Gender in History of Science, Technolog y and Medicine		<b>2:30p - 4:00p</b> New Perspectives on Climate Change in the Long 1970s		<b>4:15p - 5:45p</b> James Hutton in/and the Anthropocene				
<b>EICC</b> Level 1 Ochil Suite 1			<b>9:15a - 10:45a</b> New Perspectives on Science in the Enlightenment		<b>11:00a - 12:30p</b> Challenging Boundaries in the Enlightenment				<b>2:30p - 4:00p</b> Debating Science in the Enlightenment		<b>4:15p - 5:45p</b> Spaces of Science in the Enlightenment				
<b>EICC</b> Level 1 Ochil Suite 2			<b>9:15a - 10:45a</b> Utopian and Dystopian Sciences		<b>11:00a - 12:30p</b> Raw Materials: Mining, Extraction, and Health in the 20th and 21st Century				<b>2:30p - 4:00p</b> Material and Visual Practices of Knowledge		<b>4:15p - 5:45p</b> Weathering Science				
<b>EICC</b> Level 1 Ochil Suite 3			<b>9:15a - 10:45a</b> Experimentation and Discovery								<b>4:15p - 5:45p</b> Uncovering Hidden Histories				

### Wednesday July 15, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EICC</b> Pentland Auditorium					<b>11:00a - 12:30p</b> Challenging Challenger: Legacies of the Scientific Circumnavigation 150 years Later				<b>2:30p - 4:00p</b> Schizophrenia, Standardization, and Scientific Practices: Clinical Research in the Twentieth Century						
<b>EICC</b> Level 3 Pentland Suite												<b>6:05p - 7:00p</b> HSS Distinguished Lecture: The Transatlantic Slave Trade and the Making of Science and Medicine, Pablo F. Gómez	<b>7:05p - 8:00p</b> ESHS Neuwander Prize Lecture: From the Margins: Rethinking Power and Perspective in the History of Science, Ana Simões		
<b>EICC</b> Level 1 Platform 5			<b>9:15a - 10:45a</b> Radiation in Medical and Scientific Contexts in the 20th Century		<b>11:00a - 12:30p</b> Physiometry: Contesting the Arts of Bodily Measurement from Phrenology to Dermatoglyphics				<b>2:30p - 4:00p</b> The Digital Revolution and the History of Science		<b>4:15p - 5:45p</b> Award Ceremony of the International Academy for the History of Science 'Koyré medal'				

### Wednesday July 15, 2026

	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm
<b>EICC</b> Level 3 Sidlaw Auditorium			<b>9:15a - 10:45a</b> Expert Multiplicity and Scientific Authority in the Anthropocene		<b>11:00a - 12:30p</b> Approaches to Teaching the Copernican Revolution					<b>2:30p - 4:00p</b> Empires in the Global History of Nutrition Science					
<b>EICC</b> Ground Strathblane Hall		<b>8:00a - 6:00p</b> Registration Day 4													
<b>EICC</b> Ground Strathblane Hall		<b>9:00a - 5:00p</b> Exhibit Hall Day 3													
<b>EICC</b> Level 0 Tinto Suite			<b>9:15a - 10:45a</b> Manipulating Biota, Engineering Healthscapes: Colonial Science & Medicine 1750-2000		<b>11:00a - 12:30p</b> The Long-louge Durée of Iberian Science and Medicine					<b>2:30p - 4:00p</b> Women's Mentorship: The Gendered Job Market		<b>4:15p - 5:45p</b> From Specimens to Subjects: Plural Practices of Seeing and Naming Primates			
<b>National Museum of Scotland</b> Auditorium			<b>9:15a - 10:45a</b> Collection Stories and Indo-Pacific worlds 1		<b>11:00a - 12:30p</b> Collection Stories and Indo-Pacific worlds 2					<b>2:30p - 4:00p</b> Collection Stories and Indo-Pacific worlds 3					
<b>National Museum of Scotland</b> Seminar Room			<b>9:15a - 10:45a</b> Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 1		<b>11:00a - 12:30p</b> Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 2										

## Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
EFI 1.40		<b>9:15a - 10:45a</b> Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 1		<b>11:00a - 12:30p</b> Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 2			<b>2:30p - 4:00p</b> Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 3		<b>4:15p - 5:45p</b> Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 4				
EFI 1.50		<b>9:15a - 10:45a</b> Activist Epistemics and Artefacts 1		<b>11:00a - 12:30p</b> Activist Epistemics and Artefacts 2			<b>2:30p - 4:00p</b> Activist Epistemics and Artefacts 3		<b>4:15p - 5:45p</b> Pestilence and the Weather: The Environmental Framing of Epidemics in Global Antiquity				
EFI 1.52		<b>9:15a - 10:45a</b> Listen: Sound Science Across Time 1		<b>11:00a - 12:30p</b> Listen: Sound Science Across Time 2			<b>2:30p - 4:00p</b> Domesticating Technologies in the 20th Century						
EFI 1.55		<b>9:15a - 10:45a</b> Science and Education 1: Pedagogy		<b>11:00a - 12:30p</b> Science and Education 2: Practice			<b>2:30p - 4:00p</b> Science and Education 3: Making Expertise		<b>4:15p - 5:45p</b> Attuning to Multispecies Worlds: Farmed Animals, One Health, and Shifting Scientific Practices in Modern China				

## Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
EFI 1.60		<b>9:15a - 10:45a</b> The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 1		<b>11:00a - 12:30p</b> The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 2			<b>2:30p - 4:00p</b> The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 3		<b>4:15p - 5:45p</b> Natural Knowledge at the Edge of East Asia: Creating Epistemologies of Taiwan's Environment from the Seventeenth Century to the Cold War				
EFI 2.20		<b>9:15a - 10:45a</b> Activism, Globalization, and Scientific Societies (1)		<b>11:00a - 12:30p</b> Activism, Globalization, and Scientific Societies (2)			<b>2:30p - 4:00p</b> A New Kind of Amusement for Cultivating the Mind: Science Popularisation in Britain and Italy in the Long Eighteenth Century						
EFI 2.35		<b>9:15a - 10:45a</b> UNEARTHED I: The Many Lives of Res inanimatae		<b>11:00a - 12:30p</b> UNEARTHED II: Res inanimatae in Late Medieval and Early Modern Medicine			<b>2:30p - 4:00p</b> Translating Technologies and Images: a Context for Textual Knowledge-Making across Early Modern Cultural Spheres		<b>4:15p - 5:45p</b> Voices from the Margins: Translators and the Making of 18th and 19th-Century Geological and Mineralogical Knowledge				
EFI 3.35		<b>9:15a - 10:45a</b> Pluralism and the Human Sciences in Imperial and Postcolonial Contexts					<b>2:30p - 4:00p</b> Histories of Climate and Environment 2: Knowing		<b>4:15p - 5:45p</b> Histories of Climate and Environment 3: Diffusing and Disputing				
EICC Level 1 Carrick Suites 1		<b>9:15a - 10:45a</b> New Insights in the History of Chinese Science 1		<b>11:00a - 12:30p</b> New Insights in the History of Chinese Science 2			<b>2:30p - 4:00p</b> The Health of Animals 1		<b>4:15p - 5:45p</b> The Health of Animals 2				

## Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
<b>EICC</b> Level 1 Carrick Suites 2		<b>9:15a - 10:45a</b> Dividing Nature: Classification and its Discontents		<b>11:00a - 12:30p</b> Plants and Knowledge			<b>2:30p - 4:00p</b> Science and Literature		<b>4:15p - 5:45p</b> Technology and Management in Modern History				
<b>EICC</b> Level 1 Carrick Suites 3		<b>9:15a - 10:45a</b> Controlling and Conserving Animals		<b>11:00a - 12:30p</b> Objectivity Reconsidered			<b>2:30p - 4:00p</b> Building Disciplines		<b>4:15p - 5:45p</b> Malaria, Smallpox, Rabies				
<b>EICC</b> Level 2 Cromdale Hall		<b>9:15a - 10:45a</b> (Re)thinking Histories of Disease in the "Tropics" (I)		<b>11:00a - 12:30p</b> (Re)thinking Histories of Disease in the "Tropics" (II)			<b>2:30p - 4:00p</b> (Re)thinking Histories of Disease in the "Tropics" (III)		<b>4:15p - 5:45p</b> New Histories of Machine Learning as Making Up People				
<b>EICC</b> Level 3 Fintry Auditorium		<b>9:15a - 10:45a</b> Making and Circulating Images, Their Impact and Influences on Different Fields of Science 1		<b>11:00a - 12:30p</b> Making and Circulating Images, Their Impact and Influences on Different Fields of Science 2			<b>2:30p - 4:00p</b> Colonial Legacies, Infrastructural Entanglements: Cosmic Infrastructures in Hawai'i, California, and South Africa		<b>4:15p - 5:45p</b> Earth and Environment: Cosmic, Plural, and Contested Perspectives				
<b>EICC</b> Level 1 Harris Suite 1		<b>9:15a - 10:45a</b> Roots and Remedies: Global Histories of the Pharmaceuticalizati on of Herbal Knowledge I		<b>11:00a - 12:30p</b> Roots and Remedies: Global Histories of the Pharmaceuticalizati on of Herbal Knowledge II									
<b>EICC</b> Level 1 Harris Suite 2		<b>9:15a - 10:45a</b> Epidemic and Illness in the Modern Era 1		<b>11:00a - 12:30p</b> Epidemic and Illness in the Modern Era 2			<b>2:30p - 4:00p</b> Science and Technology in Post-1949 China						

# Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
<b>EICC</b> Level 0 Kilsyth Suite		<b>9:15a - 10:45a</b> Disruptive Encounters: Historicizing More-Than-Human Lives in Palestine		<b>11:00a - 12:30p</b> Mediating Meteorology: Communicating Climate and Weather Knowledge from Antiquity to the Present					<b>2:30p - 4:00p</b> Metabolic Frontiers: Transforming Matter and Energy in the 20th Century				
<b>EICC</b> Level 2 Lammermuir 1		<b>9:15a - 10:45a</b> Testing, Staging and Recording: Film as Research and Practice in the Psy-Disciplines		<b>11:00a - 12:30p</b> The Image of Astronomy		<b>1:00p - 2:00p</b> A New CERN History Project: Charting the Story of the World's Foremost Laboratory for Particle Physics			<b>2:30p - 4:00p</b> Actors, Agents, and Experts in Computing and AI: Decision-making and Contested Authority in Automated Realms		<b>4:15p - 5:45p</b> Technologies of Colonial Resource Extraction in Africa		
<b>EICC</b> Level 2 Lammermuir 2		<b>9:15a - 10:45a</b> Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources in the 17th Century 1		<b>11:00a - 12:30p</b> Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources from the 17th Century 2					<b>2:30p - 4:00p</b> Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 1		<b>4:15p - 5:45p</b> Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 2		
<b>EICC</b> Level 2 Lennox 1		<b>9:15a - 10:45a</b> Landscapes of Development: Plural Visions and the Making of State-Building Infrastructures in East Asia		<b>11:00a - 12:30p</b> Tried and (Con)tested: Sensory Knowledge and Food Production, 900-1800					<b>2:30p - 4:00p</b> The Sciences of the Artificial: Modern Science and Design Expertise		<b>4:15p - 5:45p</b> Sciences and the Ideas of Europe: Geographies, Temporalities and Actors		

## Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
<b>EICC</b> Level 2 Lennox 2		<b>9:15a - 10:45a</b> Tacit Knowledge: Early Career Publishing		<b>11:00a - 12:30p</b> Dark Waters: Constructing Aquatic Predators in Science and Culture			<b>2:30p - 4:00p</b> Necro-geographies: Extractive Beforemaths and Ecological Afterlives of War		<b>4:15p - 5:45p</b> Crisis, Capriciousness, and Control in the Technosciences				
<b>EICC</b> Level 2 Lennox 3		<b>9:15a - 10:45a</b> Possessed, "Crippled", Uncombustible: Bodies at the Limit of Technologies and Genders		<b>11:00a - 12:30p</b> Taming Psychotherapy: From Radical Experiment to Standards of Practice (1960-2000)			<b>2:30p - 4:00p</b> Seeing Health: Representing Medical Knowledge in Early Modern period		<b>4:15p - 5:45p</b> Contested Science (and Technology Studies): Histories of STS and Its Forerunners, Interlocutors, Competitors, Targets, and Patrons				
<b>EICC</b> Level 1 Lowther		<b>9:15a - 10:45a</b> Old Problems, New Angles: Toward a Global History of Mathematics		<b>11:00a - 12:30p</b> Book Roundtable: Jessica Riskin, The Power of Life: The Revolutionary Science of Jean-Baptiste Lamarck			<b>2:30p - 4:00p</b> Living/Thinking in Monstrous Times		<b>4:15p - 5:45p</b> Shifting Science in Film and Television: Historically-Informe d Performance Practice, Artistic License, and the Spectacular Screen				
<b>EICC</b> Level 1 Menteith		<b>9:15a - 10:45a</b> Histories of 19th and 20th Century Astronomy		<b>11:00a - 12:30p</b> Cosmologies Ancient and Early Modern			<b>2:30p - 4:00p</b> Divining Heaven and Earth		<b>4:15p - 5:45p</b> Space Sciences and Politics				
<b>EICC</b> Level 2 Moffat		<b>9:15a - 10:45a</b> Cold War Science in Asia		<b>11:00a - 12:30p</b> New Histories of Cold War Scientific Exchange			<b>2:30p - 4:00p</b> Science and World War 2		<b>4:15p - 5:45p</b> New Approaches in the History of Science				

## Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
<b>EICC</b> Level 0 Moorfoot Suite		<b>9:15a - 10:45a</b> Animals in Motion: Multispecies Entanglements in Asian Environments		<b>11:00a - 12:30p</b> Shifting Perspectives on Disease Entities			<b>2:30p - 4:00p</b> Contested Skies: Plural Cosmologies and Sino-European Exchanges of Astronomical Knowledge in China, 16th–20th Centuries		<b>4:15p - 5:45p</b> “Pedagogies of Things” in the Natural History Humanities				
<b>EICC</b> Level 1 Ochil Suite 1		<b>9:15a - 10:45a</b> Mathematics and Practical Knowledge					<b>2:30p - 4:00p</b> Rewriting the Histories of Algebra		<b>4:15p - 5:45p</b> Euclid and Geometry Across Traditions				
<b>EICC</b> Level 1 Ochil Suite 2		<b>9:15a - 10:45a</b> Science, Authority, and Circulation		<b>11:00a - 12:30p</b> Practising Medicine in Colonial India			<b>2:30p - 4:00p</b> Fishing for Science		<b>4:15p - 5:45p</b> World War Histories of Science				
<b>EICC</b> Level 1 Ochil Suite 3		<b>9:15a - 10:45a</b> Food and Health		<b>11:00a - 12:30p</b> The Politics of Standardization			<b>2:30p - 4:00p</b> Sciences of Disaster		<b>4:15p - 5:45p</b> Heavens, Earth, and Water in the Early Modern Iberian World				
<b>EICC</b> Pentland Auditorium		<b>9:15a - 10:45a</b> Unorthodox Women, Unorthodox Ideas in Modern Biological Research				<b>1:00p - 2:00p</b> HSS Business Meeting					<b>6:15p - 8:15p</b> ESHS General Assembly		
<b>EICC</b> Level 1 Platform 5		<b>9:15a - 10:45a</b> Archaeological Decipherment: Discovery, Conviction, Allure		<b>11:00a - 12:30p</b> The Science, Sensation, and Schism of Medical Electricity					<b>4:15p - 5:45p</b> Sciences of the Deep Past				

# Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm
<b>EICC</b> Level 3 Sidlaw Auditorium		<b>9:15a - 10:45a</b> What Do Museums Do with Collections of Human Remains?		<b>11:00a - 12:30p</b> Do Individuals Matter? Character, Community, and Controversy in the History of Science					<b>4:15p - 5:45p</b> Science and Activism: A Long History				
<b>EICC</b> Ground Strathblane Hall		<b>9:00a - 1:00p</b> Exhibit Hall Day 4											
<b>EICC</b> Ground Strathblane Hall		<b>9:00a - 5:00p</b> Registration Day 5											
<b>EICC</b> Level 0 Tinto Suite		<b>9:15a - 10:45a</b> Ships, Fevers, and Specimens: Cross-Cultural Knowledge in Early Modern Maritime Asia					<b>2:30p - 4:00p</b> Contested Mesmerism, a Plural Medical Science in Global Perspective		<b>4:15p - 5:45p</b> Reshaping Boundaries and Reconfiguring Networks: Islamicate Discourses on the Sciences in an Age of Transformation				
<b>National Museum of Scotland</b> Auditorium												<b>7:00p - 8:30p</b> Elizabeth Paris Event: Dolly at 30: The Life and Legacy of a Cloned Sheep	

**80<sup>TH</sup> ANNUAL MEETING**

# DURHAM

**BRITISH SOCIETY FOR THE HISTORY OF SCIENCE**



**13th -16th  
JULY 2027**

**CALL FOR PAPERS  
OPENS IN SEPTEMBER 2026**

**HOSTED BY  
DURHAM UNIVERSITY  
HISTORY DEPARTMENT**

FIND OUT MORE AT [WWW.BSHS.ORG.UK](http://WWW.BSHS.ORG.UK)

## SUNDAY, JULY, 12

### 001. Registration Day 1

Organized Session

12:00 pm to 5:00 pm, Sunday 12 July

Gordon Aikman Lecture Theatre: Gordon Aikman  
Lecture Theatre Foyer

### 002. HSS Council Meeting

Business Meeting

1:00 pm to 5:00 pm, Sunday 12 July

Institute for Advanced Studies in the Humanities:  
Seminar Room

Chair:

**Soraya de Chadarevian**, University of  
California, Los Angeles

Participants:

**Suman Seth**, Cornell University

**Matthew Shindell**, Smithsonian National Air  
and Space Museum

**Elise K Burton**, University of Toronto

**Samantha Muka**, Stevens Institute of  
Technology

**Adrianna Link**, American Philosophical  
Society

**Patrick McCray**, University of California, Santa  
Barbara

**Omar Nasim**, University of Regensburg

**Jessica Wang**, University of British Columbia

**Mackenzie Anne Cooley**, Hamilton College

**Jia-Chen Fu**, Institute of Modern History,  
Academia Sinica

**Prakash Kumar**, Pennsylvania State  
University

**Maria Rentetzi**,  
Friedrich-Alexander-Universität  
Erlangen-Nürnberg

**Elizabeth Yale**, University of Iowa

**Charlotte Abney Salomon**, Science History  
Institute

**Michael J. Barany**, University of Edinburgh

**Clare Kim**, University of Illinois at Chicago

**Donald L. Opitz**, DePaul University

**Christina Ramos**, Washington University in St  
Louis

**Sarah Qidwai**, University of York

**John Paul Gutierrez**, History of Science  
Society

### 003. ESHS Early Career Lectures

5:00 pm to 7:00 pm, Sunday 12 July

Gordon Aikman Lecture Theatre: Gordon Aikman  
Lecture Theatre

Participants:

**From Excrement to Experiment. Camel  
Dung, Philology and the History of  
Alchemy** *Josephine Musil-Gutsch, LMU  
Munich*

**Sovereign Flowers: Flora Danica and the  
Emergence of the National Flora,  
1750–1900** *Christoffer Basse Eriksen,  
Aarhus University*

**Unbecoming Science: Eugenics and the  
Problem of Ends** *Alex Aylward, University of  
Oxford*

Session Organizers:

**Simone Turchetti**, University of Manchester

**Roberto Lalli**, Politecnico di Torino

Chairs:

**Kärin Nickelsen**, LMU Munich

**Linda Andersson Burnett**, University of  
Uppsala

**Joseph D. Martin**, Durham University

## MONDAY, JULY, 13

### 004. Registration Day 2

8:00 am to 6:00 pm, Monday 13 July  
EICC: Floor, Ground - Strathblane Hall

### 005. Transient Scientific Institutions: The International Polar Years in Comparative Perspectives

Organized Session  
9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 1.40

Participants:

**Transient Versus Permanent Institutions: Re-examining the Impact of the Second International Polar Year, 1932-33** *Ronald Doel, Florida State University*

**How and why oceanography did not fit into the program of the Second International Polar Year, 1932 - 33** *Julia Lajus, Columbia University*

Chair:

**Urban Wrakberg**, Arctic University of Norway at Kirkenes

### 006. The Palomares Nuclear Accident (Spain 1966) and Its International Impact

Organized Session  
9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 1.50

Participants:

**Palomares in the Finnish and French press: from Cold War geopolitics towards nuclear energy controversies** *Markku Lehtonen, Universitat Pompeu Fabra*

**Swims in Palomares and Strawberries in Athens: Or, How to Get Away with a Nuclear Accident** *Loukas Freris, Friedrich-Alexander-Universität Erlangen-Nürnberg*

**Radioactive Art? Cultural Expressions about the Palomares Nuclear Accident (1966)** *Clara Florensa, Institució Milà i Fontanals, Consejo Superior de Investigaciones Científicas*

**Palomares in Transition: The Role of the**

**Accident in the New Democratic State public sphere** *Miquel Carandell Baruzzi, Institut d'Història de la Ciència - Universitat Autònoma de Barcelona*

Session Organizers:

**Clara Florensa**, Institució Milà i Fontanals, Consejo Superior de Investigaciones Científicas

**Miquel Carandell Baruzzi**, Institut d'Història de la Ciència - Universitat Autònoma de Barcelona

Chair:

**Miquel Carandell Baruzzi**, Institut d'Història de la Ciència - Universitat Autònoma de Barcelona

### 007. Findings in Digital Humanities 1: Ancient

Contributed Paper Session  
9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 1.52

Participants:

**Heron's Pneumatica: A Work in Progress between Technology and Ancient Text** *Michele Corti, University of Siena - Museo Galileo*

**Visualising Plurality: Ancient Lead White Recipes and the Potential of TheSu XML for Historical Analysis** *Daniele Morrone, KU Leuven, De Wulf-Mansion Centre for Ancient, Medieval and Renaissance Philosophy*

**Epistemic Values, Reliability and Trust: The Inaccurate Edition** *Malte Rehbein, University of Passau; Tobias Kraft, Berlin-Brandenburg Academy of Sciences and Humanities; Tobias Perschl, University of Passau*

Chair:

**Erin Griffey**, University of Auckland

### 008. Heavens in Your Hand: Astral Artifacts and Practices across Eurasia

Organized Session  
9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 1.55

Participants:

**Chinese Cosmologies in a Scaphe Sundial: New Instruments of Visualization in the Mongol-Yuan Dynasty** *Jinsong Guo, Peking*

University

**Materiality and Knowledge in Edo-Period  
Celestial Globes** *Chloe Pare-Anastasiadou*

**360 Degrees of the Sky: One Astral  
Representation per Day** *Aida Alavi, Max  
Planck Institute for the History of Science*

**Between Observation and Omen:  
Reconstructing the Historical Context of  
Medieval Chinese Star Maps** *Boshun Yang,  
University of Science and Technology of  
China*

Session Organizer:

**Boshun Yang**, University of Science and  
Technology of China

Chair:

**Jeffrey Kotyk**, Max Planck Institute for the  
History of Science

**009. What Are Protocols For? Strategies for  
Knowing More-Than-Humans in History and  
Science**

Organized Session

9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 1.60

Participants:

**From Living Turtle to Ancestral Medium:  
Protocols of Material Handling and  
Knowledge Keeping in the Shang Oracle  
Bone Divination** *Peichao Qin, University of  
Cambridge*

**Counting and Co-existing in a coral habitat:  
Situating conservation dilemmas in the  
Lakshadweep Islands of India since the  
18th century** *Lakshmi Pradeep Rajeswary,  
Max Planck Institute for the History of  
Science*

**The Importance of Protocols: Unlocking the  
Key to our Scientific Future with our  
Lakota and Horse Nation Relatives** *Yvette  
Running Horse Collin, Taku Skan Skan  
Wasakliyapi: Global Institute for Traditional  
Sciences (GIFTS)*

**The Tales That Turn Upon Turtles** *John  
Mathew, Max Planck Institute for the History  
of Science*

Session Organizers:

**Lakshmi Pradeep Rajeswary**, Max Planck  
Institute for the History of Science

**Lisa Onaga**, Max Planck Institute for the

History of Science

Chair:

**Chanelle Adams**, Max-Planck-Institut für  
Wissenschaftsgeschichte

**010. Rewriting the History of Science**

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 2.20

Participants:

**A Typology of Presentist Practices in  
Academic History** *Hakob Barseghyan,  
Victoria College, University of Toronto*

**Weaving Contentious Topics into the Grand  
Narrative of Science in Finland** *Katariina  
Parhi, University of Oulu*

**When Paradigms Meet Ideology: Thomas  
Kuhn's Reception in Socialist  
Czechoslovakia** *Michaela Šmidrkalová,  
Masaryk Institute and Archives of the CAS, v.  
v. i.*

Chair:

**David Francisco de Moura Penteado**,  
University of São Paulo

**011. CTRL ALT SHIFT. Expériences, Knowledge,  
Activism, Methods - 1**

Organized Session

9:15 am to 10:45 am, Monday 13 July  
Edinburgh Futures Institute: 2.35

Participants:

**Quantum Mechanics and the Development  
of Computers in the 1920s and 1930s**  
*Patrick Charbonneau, Duke University*

**Experimenting with Data. Innovation, Hacks  
and Failures Before Standards** *Elisabetta  
Mori, Universitat Pompeu Fabra, Barcelona*

**Ephemeral Literacies: Proliferating and  
Vanishing Forms of Practical Expertise in  
the Digital Age** *David Dunning, National  
Museum of American History*

**Alan Turing's Rhetoric of "Experiment" and  
the Status of the Turing Test** *Bernardo  
Goncalves, National Laboratory for Scientific  
Computing (LNCC)*

Session Organizers:

**Liesbeth De Mol**, CNRS - Université de Lille  
**Elisabetta Mori**, Universitat Pompeu Fabra,

Barcelona

Chair:

**Liesbeth De Mol**, CNRS - Université de Lille

### 012. Data Visualization and the History of Statistics 1

Organized Session

9:15 am to 10:45 am, Monday 13 July

Edinburgh Futures Institute: 3.35

Participants:

**A Dispute on Diagrams: Epistemic Conflict on the Graphic Method in Dutch National Statistics, 1870–1890** *Marieke Gelderblom, Utrecht University*

**Pearl's Prophetic Curve: Graphic Methods of Population Forecasting in the Nineteenth and Twentieth Centuries** *Hannah Pivo*

**Computing without Computers? The Rise and Fall of 'Graphique', a Graphic Information Processing Method for the Human and Social Sciences. (France, 1947—1990)** *Edgar Lejeune*

Session Organizers:

**Brianne Wesolowski**, Leiden University

**Marieke Gelderblom**, Utrecht University

Chair:

**Brianne Wesolowski**, Leiden University

Commentator:

**Charlotte Bigg**, CNRS

### 013. New Insights in Early Modern Science: Institutions

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Beyond Jesuit Science: Epistemic Plurality and Scientific Instruction in the Seventeenth-Century Piarist School** *Daniele De Camillis, Università di Modena e Reggio Emilia*

**The Development of British Postal Services in the Seventeenth Century** *Zackery Gostisha, University of Chicago*

Chair:

**Vera Keller**, University of Oregon

### 014. Scientific Expeditions and the Co-Production of Knowledge

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**African Women and Invisibility in Nineteenth-Century Scientific Expeditions: Queens, Guardians and Local Knowledge Holders** *Sara Manuela de Albuquerque, University of Évora | IHC*

**Anthropological Expeditions in Twentieth-Century Brazil: Ethnographic Objects and Collections in the Transnational Relations of Science and Museums** *Victor Rafael Limeira-Dasilva, Museu de Astronomia e Ciências Afins (MAST)*

**Baconian Buccaneering: William Dampier's Excursions to Panama, 1679-1685** *Joseph Bienko, The Pennsylvania State University*

Chair:

**Brooke Penaloza-Patzak**, University of Vienna

### 015. Measuring and Shaping Public Opinion in the 20th Century History of Science

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Raising Funds, Raising Awareness: Women as Mediators of the 'Fight Against Cancer' in Portugal** *Beatriz Medori, CIUHCT - Interuniversity Center for the History of Science and Technology (Portugal)*

**Public Opinion Does Not Exist: A New History of Survey Research** *Tal Arbel, University of Pennsylvania*

**Tobacco and Lung Cancer in Francoist Spain: Public Image and Media Representation** *Eduardo Bueno, Universidad Miguel Hernández; Enrique Perdiguero*

**As Drugs Fade: The Withering Antibiotic Commons in America** *Rijul Kochhar, Harvard University*

Chair:

**Marta Eileen Hanson**,

Friedrich-Alexander-Universität

Erlangen-Nürnberg

**016. Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 1**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Towards a New Survey of Islamic Astronomical Handbooks with Tables**  
*Benno van Dalen, Bavarian Academy of Sciences and Humanities*

**Qushji's Commentary on Ulugh Beg's Zij as a Key to Understanding Islamicate Zij**  
*Mostafa Yavari, University of Tehran, Institute for the History of Science*

Session Organizers:

**Matthieu Husson**

**Stefan Zieme**, Humboldt University Berlin

Chair:

**Eleonora Andriani**, Max Planck Institute for the History of Science, Berlin

**017. Villains in Science and Nature**

Roundtable

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 3 - Fintry Auditorium

Session Organizer:

**Jenna Tonn**, Boston College

Chair:

**Nuala Caomhanach**, New York University/American Museum of Natural History

Participants:

**Jenna Tonn**, Boston College

**Megan Formato**, Stanford

**018. Symposium: Alternative Epistemologies in the Life Sciences (C19 and C20), Part 1 ("Alternative Archives and Sources")**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Tracing Plants, Finding Knowers: Virtual Herbaria, Local Plant Collectors, and Epistemic Injustice in the Maya Region**  
*Jan Baedke, Ruhr-University Bochum*

**Photographic Knowledge-Making: Rethinking the History of Indonesian Scientific Expeditions (1880–1940)**

*Magdalena Reichgelt, Leiden University*

**"Where have all the flowers gone?"**

**Uncovering Indigenous involvement in flower-collecting expeditions in the Dutch East Indies through botanical archives**

*Fadly Rahman, Leiden University*

Chair:

**Simone Schleper**, Maastricht University

**019. Stratigraphy, Deep Time, and the Making of Geological Knowledge 1**

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Re-discovering Robert Jameson's (1774-1854) Last Mineral Collection** *Rachel Walcott, National Museums Scotland*

**More than a 'Wife-Assistant': The History of Charlotte Murchison in the Margins of Victorian Geology** *Serena Masters, Aberystwyth University*

**Making of the Silurian: How Central-Bohemian Silurian Went from Being British to Being Local and then Global** *Josef Řídký, Czech Academy of Sciences, Masaryk Institute and Archive*

Chair:

**James Andrew Secord**, University of Cambridge

**020. Animal Histories I: Ordering the Unruly Across Imperial and Therapeutic Worlds**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**The Jamu-ization of Dog meat, Snakes, and wine: Negotiating Purity and Moral Worlds in Java's Therapeutic Landscape** *Tsung-Jen Jen Hung, University of Sydney*

**Becoming Maggots: Drug Boundaries and Epistemic Making in Premodern China** *Yuchen Feng*

**Terrestrial Beasts at Sea: Tribute Animals and the Maritime Imagination in Ming China** *Yue Kuang, Freie Universität Berlin*

Chair:

**Tsung-Jen Jen Jen Hung**, University of Sydney

**021. After Loss: Ephemeral Histories of Science and Technology 1 - Ephemeral Instruments of Knowledge**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Ice Harvesting and the Science of Cool in Early Modern Tuscany** *Anna Speyart, Princeton University*

**Lost knowledge in an early modern herbarium: Plant knowledge production practices by Hans Sloane and his contemporaries** *Bradley Lewis Scott, Queen Mary University of London*

**Failed Instruments as Epistemic Mediators: The Case of Helmholtz's Phakoscope** *Valentina Roberti, University of Catania*

Session Organizers:

**Antonia Belli**, University College London / Bibliotheca Hertziana

**Roberta Spada**, University of Padua

Chair:

**Antonia Belli**, University College London / Bibliotheca Hertziana

Commentator:

**Simon Werrett**, University College London

**022. 'Beyond Bandung: Histories of Scientific, Technological and Medical Assistance between Decolonising Nations during the Cold War' 1**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**The Shadow of Asian Technologies on the Making of the West African Rice Development Association** *Yi-Tang Lin*

**Exporting the Taiwanese Experience of Land Reform: A Case Study of the**

**Taiwan—Nicaragua Agricultural Technical Cooperation, 1975—1979**

*Ying-Ying Chu, National Taipei University*

**Space science, International Expertise and Southern Dialogue: Passage of**

**Knowledge between India and Peru,**

**1977-1978** *Dipak Kumar Chakraborty, Indian Institute of Science Education and Research Bhopal (IISER Bhopal), India*

Session Organizer:

**Harry Yi-Jui Wu**, National Cheng Kung University

Chair:

**Yi-Tang Lin**

Commentator:

**Edna Suárez-Díaz**, Universidad Nacional Autónoma de México

**023. Observing Natural Signs in Early Modern Occult Philosophy**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**"These Signes and Tokens Do Declare": Evidence and Observation in Early Modern Alchemy** *Jennifer Rampling, Princeton University*

**Colors as Signs of Material Change in Late Renaissance Medicine and Alchemy** *Elisabeth Moreau, ULB – Free University of Brussels*

**Signs of Love: Observing and Judging Efficacy in Early Modern English Love Magic** *Gretchin Kepplinger, Princeton University*

Chair:

**Jennifer Rampling**, Princeton University

**024. When Scientific Images Go Rogue: Popularization, Pluralization, and Contestation**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**Breath, "Ah," Form: Florence Cane's Psychophysical Art Pedagogy** *Julian*

*Chehirian, Princeton University*

**Robots on the Silver Screen: Real and Imaginary** *Allison Marsh, University of South Carolina*

**Viscous Signals: Paint, Paper Tools, and the Science of Graphic Sound in Postwar Britain** *Benjamin Lindquist, MIT*

Chair:

**Benjamin Lindquist**, MIT

## 025. Plant Humanities 1 - Mapping an Emerging Field

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Activating Plants in the Humanities Lab** *Yota Batsaki, Dumbarton Oaks, Harvard University*

**Cultivating History of Science in the Garden** *Elena Canadelli, University of Padova*

**Formalising a Collections-Based Plant Humanities Programme at the Royal Botanic Garden Edinburgh** *Olwen Grace, Royal Botanic Garden Edinburgh; Lorna Mitchell, Botanic Garden Edinburgh*

Session Organizers:

**Elena Canadelli**, University of Padova  
**Yota Batsaki**, Dumbarton Oaks, Harvard University

Chair:

**Felix Driver**, Royal Holloway University of London

## 026. Transcultural Psychiatry and the Sinophone Pacific

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Lowther

Participants:

**Translating East Asian Psyches: Cold War Transculturalists and the Making of Japaneseness and Chineseness across the Pacific** *Alex Hsu-Chun Liu, National Yang Ming Chiao Tung University*

**The Making of Culture-Bound Syndrome in the Post-War Period: Reassessing the Work of Pow Meng Yap** *Windson Lin,*

*University of Groningen*

**Politicization Postponed: Political Depression as an Afterlife of Neurasthenia in Contemporary China** *Hsuan-Ying Huang, National Yang Ming Chiao Tung University*

**Koro as a Paradigm in Transcultural Psychiatry** *Howard Chiang, University of California, Santa Barbara*

Session Organizer:

**Howard Chiang**, University of California, Santa Barbara

Chair:

**Ana Antic**, University of Copenhagen

## 027. Shifting Perspectives: Diversity, Geographies, and Possibilities in the Physical Sciences (no 1)

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Menteith

Participants:

**Fun in Physics: From Reverence to Play in Twentieth-Century Science** *Annelie Elisabeth Drakman, Uppsala University*

**Transformations in the Historiography of Physics and Astronomy? Canonical Narratives and the Representation of Female Physicists and Astronomers (1950-1999)** *Colleen Seidel, University of Wuppertal*

**The Unseen Cohort: Women Scientists in the US National Interest Programs** *Johannes-Geert Hagmann*

**Preprints, Libraries, and the Women Who Built the Physics Communication Infrastructure in the 20th Century** *Phillip Roth, RWTH Aachen University*

Session Organizers:

**Joanna Behrman**, University of Copenhagen  
**Gisela Mateos**, Universidad Nacional Autónoma de México  
**Barbara Hof**, University of Lausanne

Chair:

**Barbara Hof**, University of Lausanne

**028. Fertility and the Sexed Body: Fluids and Health**

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 2 - Moffat

Participants:

**Bloody Shifts: Menstruation Management for Free and Unfree Bodies in the Colonial Atlantic World** *Mackenzie Moeller Elmore, University of California, Los Angeles*

**Battling 'Scientific Sins'; Sex, Health and 'Sexologists' in Colonial Bengal (1880-1947)** *Sohini Mukhopadhyay, University of Illinois at Chicago*

**From Moralisation to Prevention: Dutch Doctors and Menopause Advice, 1950-1990** *Hanneke de Boer, University of Groningen*

Chair:

**Kate Mulry**, CSUB

**029. Decentralizing Women's Medicine: Plural Voices Describing Female Bodies in the Long Early Modern Period**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Anatomy, Ancient Literature, and the Construction of Sex Categories in 16th-Century Learned Medicine** *Martina Ravaoli, University of Bonn - CRC 1329 "Cultures of Vigilance"*

**Narrating defloration: medical knowledge in court depositions (Bologna, 17th-18th century)** *Laura Schiavone, Ludwig-Maximilians University Munich - Università di Bologna*

**Women, Miracles and Illness Narratives in Early Modern Spain** *Laura Guinot-Ferri, University of Valencia*

**Rewriting Pathological Childbirth: Marie-Louise Lachapelle and the Revision of Obstetrical Nomenclature at the Turn of the 19th Century** *Elena Danieli*

Session Organizer:

**Laura Schiavone**, Ludwig-Maximilians University Munich - Università di Bologna

Chair:

**Sarah Seinitzer**, Universität Wien / Università di Bologna

**030. From Contested "Foreign Science" in China to a Social History of Chinese Scientists in the World**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Scientific Power: Mechanics, Networks, and Disciplinary Transformation in China** *Mo Wang, Leipzig University*

**The Great Talent Divergence: Transnational Training and the Fate of China's Doctoral Elite, 1905-1962** *Cécile Armand, Centre National de la Recherche Scientifique; Christian Henriot, Aix-Marseille University*

Chair:

**Cécile Armand**, Centre National de la Recherche Scientifique

**031. Institutions and Standards in the 19th and Early 20th Century**

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**The 1875 Plaster Cast Competition and the Emergence of Chemical Expertise in German Art Conservation** *Leib Celnik, Johns Hopkins University*

**Contested Science: The Pivotal Role of Herbert Spencer and Biological Approaches in Hungary's First Sociological Journal** *Eszter Pál, Eötvös Loránd University (ELTE) Budapest, Hungary*

**Mobilized Science: An Examination of the Development of the International Botanical Congress from 1864 into the Twentieth-Century** *Calvin Jordan, University of California San Diego*

Chair:

**Margaret Weitekamp**, Smithsonian's National Air and Space Museum

**032. Imperial Botany in Asia**

Contributed Paper Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Naming the Lemon: Translation, Error, and the Making of Botanical Knowledge in Eighteenth-Century Canton** *Ningxin Wang*

**Native Interlocutors and the Epistemological Practices of Colonial Natural History at the Institution for Promoting the Natural History of India, 1804-07** *Pranav Mohan, King's College London*

**Names of the Trillium: Reconsidering Knowledge Transmissions in Mount Hakodate's Botanical Explorations of the Late 19th-Century** *Qiang Huang, York University*

Chair:

**Emilie Wellfelt**, Linnaeus University, Sweden

**033. Openness in the History of 20th Science Governance**

Roundtable

9:15 am to 10:45 am, Monday 13 July

EICC: Pentland Auditorium

Session Organizer:

**Sabina Leonelli**, Technical University of Munich

Participants:

**Rachel Ankeny**, University of Adelaide

**Sabina Leonelli**, Technical University of Munich

**Helena Toth**, Institut für Geschichtswissenschaften und Europäische Ethnologie, University of Bamberg

**Miguel Garcia-Sancho**, University of Edinburgh

**034. Practitioners, Artisans and Instruments in the Making of Premodern Science, I**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 1 - Platform 5

Participants:

**«Duris agrestibus arma»: Agricultural Instruments in Translations of Virgil's Georgics** *Francesco Davoli, Ca' Foscari University of Venice*

**Agricultural Instruments and Botanical Science in Renaissance Italy: The Knowledge of Rustics** *Fabrizio Baldassarri*,

*University of Rome 3*

**'Engines of divine art': Tools, Work, and Weed-Making in the Early Royal Society** *Francis Taylor*

**Garden Waste: How Modernity Discarded Gardeners' Knowledge in 18th Century Treatises on Agriculture** *Sarah Benharrech, CY Cergy Paris Université*

Session Organizer:

**Fabrizio Baldassarri**, University of Rome 3

Chair:

**Aleksandar Shopov**, SUNY Binghamton

**035. Hazards, Accidents, and Knowledge Production in Modern Industry**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Participants:

**The Management of Silicosis during the Mao Era: Changing Standards, Treatment Experiments, and Workers' Anxieties** *Rui Zhang, Douglas College*

**Wasteful, Deceptive Recycling: Cement Bags as Forensic Devices in Mao-era China** *Niall Chithelen, University of California, San Diego*

**"Forklift Disease": The Making of an Occupational Illness in Postwar Japan** *Victor Seow, Harvard University*

Session Organizer:

**Niall Chithelen**, University of California, San Diego

Chair:

**Gabriela Soto Laveaga**, Harvard University

**036. Making Global Temperature Across Land, Ice and Oceans**

Organized Session

9:15 am to 10:45 am, Monday 13 July

EICC: Floor, Level 0 - Tinto Suite

Participants:

**Making Oceanic Climate** *Sam Robinson, York*  
**Freezing Temperature: Ice as an Instrument and Proxy in Climate Science** *Alexis Rider, The University of Vienna*

**Picking Proxies in the Making of Global Climate Histories** *Richard Staley*

Session Organizer:

**Richard Staley**

Chair:

**Tom Simpson**, University of Warwick

**037. Book Reviewing and (Inter)disciplinarity in Postwar Science**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 1.40

Participants:

**The Functions of Book Reviews in Economics: The Case of Three Essays on the State of Economic Science by Tjalling C. Koopmans (1958)** *Julien Gradoz, CLHDP, Université Jean Moulin Lyon 3*

**Disciplinarity under Review: Sociobiology and its reception, 1975-1978** *Cora Stuhmann, LMU Munich*

**Book Reviewing in Interdisciplinary History and Psychology, 1970–2000** *Sjang ten Hagen, Utrecht University*

Session Organizers:

**Sjang ten Hagen**, Utrecht University

**Cora Stuhmann**, LMU Munich

Chair:

**Projit Bihari Mukharji**, Ashoka University

**038. Whose Values Count? Political Commitments, Marginal Voices, and the Construction of Scientific Legitimacy**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 1.50

Participants:

**Epistemic Disobedience and the Making of Physical Chemistry: Reimagining Interdisciplinarity through Gender** *Dimitris Kalogiannis, National and Kapodistrian University of Athens*

**Contra Kilgore: Scientist Autonomy in the 1940s American Political Sphere** *Erik Lynch, Michigan State University*

**Competing for Truth: Cold War Rivalry and the Methodological Values of Science** *Konstantinos Papathanasiou, National Kapodistrian University of Athens*

**HIV Activism in South Europe: A Historical**

**Case of Epistemic Disobedience** *Antonis Efstratiou, National and Kapodistrian University of Athens*

Session Organizer:

**Maria - Amiridi-Wiedenmayer**, National and Kapodistrian University Athens

Chair:

**Evangelia (Lina) Chordaki**

**039. Findings in Digital Humanities 2: Modern**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 1.52

Participants:

**Medicine in the Colonies: Searching for Local Knowledge through Digital Analysis of Medical Journals, 1856-1900** *Christopher Orrell, University of Melbourne*

**Digitising Plants, Networking Empire: Colonial Afterlives of the Kew Herbarium and Calcutta Botanic Garden Archives** *John Schaefer, University of Cambridge*

Chair:

**Ku-ming (Kevin) Chang**, Academica Sinica

**040. Emergence and Interpretation of the Principle of Energy Conservation in the Long 19th Century**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 1.55

Participants:

**Kuhn Revisited: On the Emergence of Conservation of Energy** *Kenneth Caneva*

**The Emergence of Energy Conservation: the Contribution of Developments in Mechanics** *Shaul Katzir, Tel Aviv University*

**Riemann Reads Helmholtz: German Natural Philosophy after 1847** *David E. Rowe, Johannes Gutenberg-Universität Mainz*

**Electromagnetic momentum and energy conservation in Göttingen electrodynamics, 1900-1909** *Scott A. Walter, Nantes University*

Session Organizers:

**Shaul Katzir**, Tel Aviv University

**Scott A. Walter**, Nantes University

Chair:

**Isobel Falconer**, University of St Andrews

**041. Beyond Dobzhansky and the Rockefeller Foundation: a Counter-History of Genetics in Brazil**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 1.60

Participants:

**A marginalized voice in Brazilian human population genetics: Fritz Ottensooser and the sero-anthropology of human races** *Claude-Olivier Doron, Université Paris Cité*

**Toledo Piza Jr.'s objections to the Mendelian-chromosome theory in the 1930s and his alternative proposal: the plastinema theory** *Lilian Al-Chueyr Pereira Martins, FFCLRP- USP, Brazil*

**In the Shadow of Dobzhansky: Octávio Domingues and a Different History of Genetics in Brazil** *Robert Wegner, Fiocruz*

Session Organizers:

**Robert Wegner**, Fiocruz

**Claude-Olivier Doron**, Université Paris Cité

**Ana Carolina Vimieiro-Gomes**, UFMG

Chair:

**Ana Carolina Vimieiro**, Universidade Federal de Minas Gerais

**042. Representing Pregnancy: Science and Culture in the 20th Century 1**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 2.20

Participants:

**Bringing “pro-life” message to the parish and the street: Visual anti-abortion materials in late communist and early democratic Poland (1970s-1990s)** *Sylvia Kuźma-Markowska, University of Warsaw*

**Embodied expertise and contested authority: feminist knowledge production in Spanish abortion trials (1970s-1980s)** *Elisa Roncone, University of Granada*

**Anti-abortion visuals in Spain (1975-1985)** *José Luis Aguilar López-Barajas, Institute of History, Czech Academy of Sciences; Agata Ignaciuk, University of Granada*

**‘To inform, not frighten’: Visual cultures of**

**anti-abortion activism in 1980s and early 1990s Ireland** *Laura Kelly, University of Strathclyde, Glasgow*

Session Organizers:

**Agata Ignaciuk**, University of Granada

**Sylvia Kuźma-Markowska**, University of Warsaw

Chair:

**Maria J Santesmases**, CSIC, Spain

Commentator:

**Jennifer Nelson**, University of Redlands

**043. CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 2**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 2.35

Participants:

**Hans Blumenberg on the 1966 “Artificial Intelligence”. Towards Intermittent Mathematics?** *Michael Friedman, Bonn University*

**“A Fragile and Precious Heritage”:** **Mathematics Research in the Age of Machines** *Ursula Martin, University of Oxford*

**Clichés and Completion --- Managing Cognitive Debt in Computer Systems Between Customization and Customerization** *Maarten Bullynck, Université Paris 8*

**Designing Intelligence to Suit a Particular Problem in a Time and Place: An Historical Polemic about Counting Bay Psalm Books** *J.P. Ascher, University of Edinburgh*

Session Organizers:

**Liesbeth De Mol**, CNRS - Université de Lille

**Elisabetta Mori**, Universitat Pompeu Fabra, Barcelona

Chair:

**Dinah Pfau**, Deutsches Museum

**044. Data Visualization and the History of Statistics 2**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

Edinburgh Futures Institute: 3.35

Participants:

**Visualizing Data, Envisioning the Other**  
*Sayori Ghoshal, Max Planck Institute for the History of Science*

**Up to the Sky: Data Visualization Strategies in Grassroots Mobilization during China's Great Leap Forward** *Tianyue Zhou, FAU Erlangen-Nürnberg*

**Standardizing the Universal: Human Rights, Statistics, and the U.N.'s International Institute of Aging in Malta** *Brianne Wesolowski, Leiden University*

**Visualizing Climate Change: The Hockey Stick Graph and the Politics of Climate Change** *Melissa Charenko, University of Pennsylvania*

Session Organizers:

**Brianne Wesolowski**, Leiden University  
**Marieke Gelderblom**, Utrecht University

Chair:

**Marieke Gelderblom**, Utrecht University

**045. New Insights in Early Modern Science: Knowledge Production**

Contributed Paper Session

*11:00 am to 12:30 pm, Monday 13 July*

*EICC: Floor, Level 1 - Carrick Suites 1*

Participants:

**Technologies of Proof: Legal Texts, Criminal Procedure, and the Circulation of Early Modern Evidentiary Culture** *Arranne Gernardo Rispoli, UCLA*

**Testimonial Acts, Between Experience and Knowledge Production (Florida and Spain, First Half of the 16th-Century)** *María Juliana Gandini, Consejo Nacional de Investigaciones Científicas y Técnicas | Universidad Nacional de Luján (Argentina)*

**The Minerality of the Body: Bladder Stones in Early Modern Visual and Experimental Culture** *Pamela Mackenzie, Max Planck Institute for the History of Science*

Chair:

**Jessica Hogbin**, Syracuse University

**046. New Perspectives on the Circulation of Knowledge**

Contributed Paper Session

*11:00 am to 12:30 pm, Monday 13 July*

*EICC: Floor, Level 1 - Carrick Suites 2*

Participants:

**Setting-up a New Science: Knowledge Transfer and Conflict at the First International Conferences of Psychotechnics (1920-1922)** *Annette Mulberger, University of Groningen*

**Shifting Perspectives: From an Atlantic World Medical Complex to a Pacific World Medical Complex** *Mariana Estela Sanchez, KU Leuven*

**How Practical Can Knowledge Be? Insights into the World of How-To** *Stefan Laube, Humboldt University Berlin*

Chair:

**Jung Lee**, Ewha Womans University

**047. Citizen Science in a Global Perspective**

Contributed Paper Session

*11:00 am to 12:30 pm, Monday 13 July*

*EICC: Floor, Level 1 - Carrick Suites 3*

Participants:

**Amateur Naturalists and Astronomical Observers: Citizen Participation in Portuguese Science in the 19th and 20th Centuries** *Cristina Luis, CIUHCT, NOVA School of Science and Technology, NOVA University Lisbon; António Gouveia, University of Coimbra; Luís Carolino, ISCTE-Instituto Universitário de Lisboa, CIES; Ana Simões, Universidade de Lisboa*

**Bernal Meets Brecht: Art, Politics, and the People's Science Movement in Kerala** *Albert Varghese, Indian Institute of Technology Madras (IIT Madras)*

**Participatory Epistemologies and Conflicts over Territorial Protection Systems in Italy (1970-1990)** *Norma Felli, Sapienza University of Rome*

**When Knowing Becomes Caring: Taxonomic Epistemologies, Engagement with Nature, and Activism** *Leore Joanne Green, Dan David Fellowship; Nurit Kirsh, The Open University of Israel*

Chair:

**Agustí Nieto-Galan**, Universitat Autònoma de Barcelona

**048. Measurement and Instrumentation**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, -1 - Conference Organisers Room

Participants:

**Measuring Plural Worlds: Collections, Commodities, and the Making of Colonial Metrology** *J C Niala; Shankar Nair*

**Mapping the Royal Infirmary Surgical Instruments Collection at the National Museum of Scotland** *Eeva Savolainen, University of Stirling; University of Glasgow*

**Revisiting Nineteenth-Century Visual Photometry: Instruments, Practices, and Reciprocal Influences** *Kaori Watanabe, University of Tokyo*

**“An Instrument which Tells us what the Body Feels”: The Kata-Thermometer and the Measurement of Comfort** *Sharad Pandian, Princeton University*

Chair:

**Armel Cornu**, Uppsala University

**049. Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 2**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**A Newly Discovered Mercator Star Catalogue (ca. 1550) and Its Genealogy from Ptolemy to Copernicus** *Yves Charles Verspreet, University of Hasselt*

**Between Tradition and Innovation: Tables as Instruments in Regiomontanus' Kalendarium** *Johanna Garzon, Brown University*

**Eclipse Predictions in 17th-Century Ottoman Calendars: Computation, Representation, and Practice** *Solmaz Ceren Ozdemir, Independent Researcher*

Session Organizers:

**Stefan Zieme**, Humboldt University Berlin  
**Matthieu Husson**

Chair:

**Samuel GESSNER**, Centro Interuniversitário de História das Ciências e da Tecnologia, University of Lisbon

**050. The Authoritarian Anthropocene: Twentieth-Century Party States and the Mobilization of Earth and Climate Knowledge**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**From Cosmic Physics to the Bioclimatological Lebensraum: Engineering a ‘Supplementary Meteorology’ in Germany and Austria 1934-1944** *Robert-Jan Wille, Utrecht University*

**Mobilizational Technocracy: Permafrost and the National Science Campaign on the Qinghai-Tibet Railway in Late Mao- and Hua Guofeng-era China, 1974-1978** *Jason Chan, Harvard University*

Session Organizer:

**Robert-Jan Wille**, Utrecht University

Chair:

**Nils Guettler**, Universität Wien

**051. Symposium: Alternative Epistemologies in the Life Sciences (C19 and C20), Part 2 (“Alternative Actors in Knowledge Production”)**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**‘Pest’ Animals in the Making of Colonial Agricultural Knowledge in the Dutch Empire, 1880-1970s** *Larissa Schulte Nordholt, Leiden University*

**Boundary Work in the Borderlands: Boonsong Lekagul and Transnational Conservation in Cold War Southeast Asia** *Simone Schleper, Maastricht University*

Session Organizer:

**Simone Schleper**, Maastricht University

Chair:

**Jan Baedke**, Ruhr-University Bochum

Commentator:

**Fenneke Sysling**, Leiden University

**052. Stratigraphy, Deep Time, and the Making of Geological Knowledge 2**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**“Organic Remains Restored”:** Leonard Horner, August Goldfuss, and International Geological Research in Penny Magazine, 1833 *Anne Ricculi, Morris Museum*

**New Practices of Scientific Internationalism in the Mid-Nineteenth Century: The Example of Geology** *Brian Vick, Emory University*

**Bones in the Bog: Giant Deer, Ancient Landscapes, and the Politics of Prehistory in Nineteenth-Century Ireland** *Cameron Daddis, University of Wisconsin-Madison*

Chair:

**Nan Kim**, University of Wisconsin-Milwaukee

**053. Animal Histories II: Taming Extractivism Across Elemental Worlds**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Salivating Production: Swiftlets, Sound, and Survival in Malaysia** *Yu-An Kuo, Duke University*

**Aquaculture Perspectives: The Growth and Decline of Oyster Farming in Taiwan** *Olga Carlino, Nanyang Technological University*

Chair:

**Tsung-Jen Jen Jen Hung**, University of Sydney

**054. After Loss: Ephemeral Histories of Science and Technology 2 - Ephemeral Sites of Technoscience**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Wasting the City: Guasti, Material Loss, and the Infrastructural Afterlives of Early**

**Modern Destruction** *Chiara Capulli, Pantheon e Castel Sant'Angelo – Direzione Musei nazionali della città di Roma*

**The Handsteine and the Ore Mountain: A Sixteenth Century History of Loss** *Emily Hyatt, Yale University*

**Threads of Ephemerality. Craft Knowledge, Fragmented Landscapes, and the Piedmontese Silk Industry in the Early Modern Period** *Mario Grassi, University of Padua*

**The Historian of Science and the Silence of Material Sources: The Models of the Paduan Anatomical Theatre as a Case Study** *Elena Rizzi, University of Padua*

Session Organizers:

**Antonia Belli**, University College London / Bibliotheca Hertziana

**Roberta Spada**, University of Padua

Chair:

**Roberta Spada**, University of Padua

Commentator:

**Simon Werrett**, University College London

**055. ‘Beyond Bandung: Histories of Scientific, Technological and Medical Assistance between Decolonising Nations during the Cold War’ 2**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**The Technological Transfer and Collaborative Implications of the Sino-Saudi Medical Mission** *Harry Yi-Jui Wu, National Cheng Kung University; Lai Hsinyen, University of St. Andrews*

**Acupuncture Diplomacies with Southeast Asia and Latin America in Cold War Taiwan: Wu Wei-Ping and Cheng Yeu-Ping.** *Po-Hsun Chen, National Yang Ming Chiao Tung University*

**“Travel” Beyond the Cold War: Tourists, Travel Medicine, and the Emergence of a Biomedical Landscape in Nepal, 1950s-1960s** *Alex Yu, University of Toronto*

Session Organizer:

**Yi-Tang Lin**

Chair:

**Harry Yi-Jui Wu**, National Cheng Kung University

Commentator:

**Aya Homei**, The University of Manchester

**056. Circulating Care: Universities, Hospitals, and the Making of Medical Expertise**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**The "doctor-population ratio" and the metric fixation in Indian health policy (1947-2025)** *Kiran kumbhar, University of Pennsylvania*

**University Affiliations: Academic Health systems and their discontents** *Dalena Ngo, Yale University*

**Physicians in the Wild: How American medical expertise Was Racialized, Reworked, and Stabilized in Northeast Indian frontiers** *Ngamliental Kipgen*

Session Organizer:

**Ngamliental Kipgen**

Chair:

**Rosanna Dent**, University of Cambridge

**057. Diagnosing Difference in Biomedicine**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**The History of the Personal Health Device and the Making of Chronic Disease** *Sloane Wesloh, University of Pittsburgh*

**Diagnosis and postnatal care: The Plunket Society, Dr Truby King, and eugenic ideology in early twentieth century Aotearoa New Zealand** *Rose Gatfield-Jeffries, University of Pittsburgh*

Session Organizer:

**Sloane Wesloh**, University of Pittsburgh

Chair:

**Michael Dietrich**, University of Pittsburgh

**058. Plant Humanities 2 - Rethinking Scientific Collections: Herbaria and Exsiccata**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**The Story of a Victorian Fern Album** *Felix Driver, Royal Holloway University of London*

**Floral Messengers from Palestine: Biblical Plants as Spiritual Souvenirs and Scientific Specimens** *Theo Detweiler, University of Cambridge*

**Building the Herbarium Centrale Italicum in Florence: Mobility, Legal, and Logistical Challenges in the Transfer of the Webb Herbarium** *Luca Tonetti, University of Padua*

**Dried Algae as Mobile and Multilayered Objects: The Algal Herbarium of Achille Forti (1878–1937)** *Claudia Addabbo, University of Padova*

Session Organizers:

**Elena Canadelli**, University of Padova

**Yota Batsaki**, Dumbarton Oaks, Harvard University

Chair:

**Elena Canadelli**, University of Padova

**059. Behavioral Science Beyond the Laboratory: Social Environments, Animal Models, and the Politics of Experimentation**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Lowther

Participants:

**Fish and Family: Struggles with Congested Aggression In and Beyond the Laboratory** *Cécile Hauser, Ludwig Maximilian University Munich*

**Automatic Animals: Behaviourist Psychology, Commercial Animal Training, and the Problem of "Misbehaviour"** *Edmund Ramsden, Queen Mary University of London*

Session Organizer:

**Cécile Hauser**, Ludwig Maximilian University Munich

Chair:

**Jill Morawski**

Commentator:

**Erika Lorraine Milam**, Princeton University

**060. Shifting Perspectives: Diversity, Geographies, and Possibilities in the Physical Sciences (no 2)**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Menteith

Participants:

**Diversity, Disagreements, and the Physical Sciences** *Climério Paulo da Silva Silva Neto, Universidade Federal da Bahia*

**Find/Database/Network: Using Digital Tools to Map Educational Trajectories and Institutional Networks among Historical Women in Physics** *Joanna Behrman, University of Copenhagen; Adrienne Traxler, University of Copenhagen*

**Fusing Diversity: National Traditions, Disciplinary Boundaries, and the Making of a European Fusion Community, 1957–2007** *Roberto Lalli, Politecnico di Torino*

**Small-Scale Research as a Resurgent Way to Approach Diversity in the Physical Sciences** *Xavier Roqué, Universitat Autònoma de Barcelona*

Session Organizers:

**Joanna Behrman**, University of Copenhagen

**Barbara Hof**, University of Lausanne

**Gisela Mateos**, Universidad Nacional Autónoma de México

Chair:

**Gisela Mateos**, Universidad Nacional Autónoma de México

**061. Fertility and the Sexed Body: Forms of Control**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 2 - Moffat

Participants:

**Contested Estrogen: Clomid and the Making of Fertility Knowledge in the 1960s** *Chloe Bell-Wilson, UCLA*

**From Insidious Disease to Diagnosed Malignancy: Embodied Suffering and the Emergence of Gynaecological Cancer in British India** *Rohini Dasgupta, University of Wisconsin-Madison*

**Modern Sexual Science and the Politics of**

**Defining Desire and Difference, 1890-1950**

*Shrikant Botre, King's College London*

**Ishimoto Shizue & Yamada Waka's Jinkō Mondai: Population Biopolitics and Birth Control in Early Japanese Women's Movements** *Iona Leask Fleming, Humboldt University/Free University of Berlin*

Chair:

**Arnav Bhattacharya**, Bryn Mawr College

**062. Techniques of Observation and Experiment in Psychoanalysis**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Sciences and Techniques of the Dreaming Body in the Twentieth Century** *Andreas Mayer, CNRS*

**Exploring Sexual Subjectivities in Twentieth-Century France: Roger Martin du Gard's Psychosexual Case Studies** *Gire François, EHESS*

**Daydreaming and Reverie: Experiment and Self-observation in Twentieth-century Psychoanalysis** *Callard Felicity, University of Glasgow*

Session Organizer:

**Andreas Mayer**, CNRS

Chair:

**Andreas Mayer**, CNRS

**063. Celestial Spheres**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**The Environmental History of Étienne Trouvelot's 'Astronomical Drawings'** *Rachael Ziady DeLue, Princeton University*

**Telegraphing Astronomical Intelligence** *Florence C Hsia, University of Wisconsin-Madison*

**Back to the Future of Wayfinding: Pre-modern Astro-navigation in the GPS Age** *Seb Falk, University of Cambridge*

**The Contents of Astrology Lectures: Comparing Student Notes from the**

**Universities of Salamanca and Valencia in the 16th and 17th Centuries** *Tayra MC Lanuza-Navarro, University of Valencia*

Chair:

**Adam Mosley**, Swansea University

**064. Public Health in the Americas**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Gendered Understandings of Health and Disease in the Press in Mexico, 1876-1911**

*Labna Fernandez Erana, UCL*

**Martinique in the Time of Yellow Fever:**

**French Colonial Public Health, 1908** *Erin*

*Catherine Budrow, University of California Los Angeles*

**Transforming Systems for Better Clinical Evidence: Creating National Clinical Trial Frameworks in Mid-Twentieth Century**

**America** *Khanh Bui, National Cancer Institute*

Chair:

**Deyanira Cuanal Cano**, Universidad Autónoma Metropolitana-Cuajimalpa

**065. Grafting Colonial Botanies**

Contributed Paper Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Grafting Colonial Identities: Don Carlos and the Orchards of the Oztoticpac Lands Map of 1540** *Elise Milburn, Pennsylvania State University*

**Exotic Fruits and Contested "First": Horticultural Fame in Early Modern Europe** *Lynn Okamoto, The University of Tokyo*

**Flora and the Imperial Machine:**

**19th-Century Botanical Exchange from Historical Data to Colonial Ecology** *Nathan Cornish, University of Southampton, Exeter University, Kew Gardens*

**Visualising Knowledge: Computational Approaches to Global Botanical Epistemologies** *Guang Yang, University*

*College Cork*

Chair:

**Madeline Elizabeth White**, Northwestern University

**066. Histories of Science and the University 20 Years after William Clark's Academic Charisma**

Roundtable

11:00 am to 12:30 pm, Monday 13 July

EICC: Pentland Auditorium

Session Organizers:

**Alix Cooper**, SUNY-Stony Brook

**Michael Banerjee**, UC Berkeley

Chair:

**Alix Cooper**, SUNY-Stony Brook

Participants:

**Jan Golinski**, University of New Hampshire

**Michael Hagner**, ETH Zurich

**Peter Becker**, University of Vienna

**Alix Cooper**, SUNY-Stony Brook

**Michael Banerjee**, UC Berkeley

**067. Practitioners, Artisans and Instruments in the Making of Premodern Science, II**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 1 - Platform 5

Participants:

**Inside the Workshop: Images of Early Modern Mathematical Instrument Makers**

*Boris Jardine, University of Cambridge*

**Brass works: Material exchange and the origins of the London instrument trade (1540–1660)** *Joshua Nall, University of Cambridge*

*Cambridge*

Session Organizer:

**Fabrizio Baldassarri**, University of Rome 3

Chair:

**Jane Wess**

**068. Technical Professions and the Making of Middle Classes: Transnational Perspectives from the 19th to the 20th Century**

Organized Session

11:00 am to 12:30 pm, Monday 13 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Participants:

**Negotiating Medical Authority: Physicians, Local Societies, and Emerging Middle-Class Identities in the Czech Lands before 1848** *Tereza Liepoldová, Institute of History of the Czech Academy of Science; Center for Theoretical Study, Charles University Prague*

**Shifting Perspectives on Engineering, Gender, and Middle-Class Formation: Early Women Engineers in Republican Türkiye** *Gül Aydın, Istanbul Technical University*

**“It is not necessary to emphasize the general interest in these works”:** Italian Civil Engineers and the Discourse about their Professional Role (1950-1980) *Francesco D'Amaro, Autonomous University of Madrid*

Session Organizers:

**Darina Martykanova**, Autonomous University of Madrid  
**Francesco D'Amaro**, Autonomous University of Madrid  
**Daniel Pérez-Zapico**, Autonomous University of Madrid

Chair:

**Daniel Pérez-Zapico**, Autonomous University of Madrid

**069. Universal Claims and Their Consequences in the 20th- and 21st-Century Earth and Climate Sciences**

Organized Session

*11:00 am to 12:30 pm, Monday 13 July*  
*EICC: Floor, Level 0 - Tinto Suite*

Participants:

**Whose ‘Geophysics’? Petroleum Prospecting and Planetary Data in Interwar Geophysical Research** *Erik Isberg, KTH Royal Institute of Technology*

**Whose ‘Cryosphere’? Struggles to Define and Institutionalise the Study of the World’s Ice in the First Half of the Twentieth Century** *Floris Winckel, University of Copenhagen*

**Whose ‘Collapse’? The Interaction Between Mathematical, Textual, and Visual Representations in the History of Research on Atlantic Ocean Circulation**

*Emilie Skulberg, University of Copenhagen;*  
*Martin Speirs, University of Copenhagen*

Session Organizers:

**Martin Speirs**, University of Copenhagen  
**Emilie Skulberg**, University of Copenhagen  
**Floris Winckel**, University of Copenhagen  
**Erik Isberg**, KTH Royal Institute of Technology

Chair:

**Dania Achermann**

**070. Exhibit Hall Day 1**

Organized Session

*12:00 pm to 5:00 pm, Monday 13 July*  
*EICC: Floor, Ground - Strathblane Hall*

**071. Institute for the International History of Medicine**

Reception

*1:00 pm to 2:00 pm, Monday 13 July*  
*EICC: Floor, -1 - Conference Organisers Room*

Session Organizer:

**Gideon Manning**, UCLA

**072. Forum for the History of Chemical Sciences Business Meeting**

Business Meeting

*1:00 pm to 2:00 pm, Monday 13 July*  
*EICC: Floor, Level 2 - Lammermuir 1*

Chair:

**Charlotte Abney Salomon**, Science History Institute

**073. Rarity in Medicine 1: New Narratives**

Organized Session

*2:30 pm to 4:00 pm, Monday 13 July*  
*Edinburgh Futures Institute: 1.40*

Participants:

The Frequent Rare: Cases and Generalization in Early Modern Medicine *Silvia De Renzi, The Open University*

Monstrous, Singular, Rare: The Representation of Pathologies in *Miscellanea Curiosa* (1670-1750) *Maria Conforti, Università di Roma*

Rare Appearances of Disease in British Morbid Anatomy, 1793–1827 *Richard Bellis, University of St Andrews*

How Rarity Begins: The Sociable Construction

of Novelty in Modern Medicine *Andrew Mendelsohn, Queen Mary University of London*

Session Organizers:

**Jenny Bangham**, University of Edinburgh  
**Silvia De Renzi**, The Open University  
**Andrew Mendelsohn**, Queen Mary University of London

Chair:

**Steve Sturdy**, University of Edinburgh

#### 074. Herbs, Medicine, and Cures from the Earth

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July  
*Edinburgh Futures Institute: 1.50*

Participants:

**Women's Contributions to Medieval Medicine: Hildegard of Bingen's Physica**  
*Lauren Cole, Northwestern University*

**Bruised Herbs and Sliced Drugs: Early Modern Eastern Algonquian and English Women's Knowledge Coalescence**  
*Drew Catherine Jepson, Brown University*

**"Witches Who Make Use of Herbs": Mazatec Curanderismo and the 1926 Cultural Mission to Huautla de Jimenez**  
*Timmy James Vilgiate, University of Texas at Austin*

Chair:

**Lucas Richert**, University of Wisconsin–Madison

#### 075. New Perspectives on the History of Science Diplomacy 1

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July  
*Edinburgh Futures Institute: 1.52*

Participants:

**Scientific Diplomacy and Political Exclusion: Bernard Peters and the Globalization of Particle Physics**  
*Sofia Guilhem Basilio; Ivã Gurgel, University of São Paulo*

**Two Letters to the Pugwash: Sakharov's Critique of Soviet Science Diplomacy**  
*Doubravka Olsakova, Charles University, CZ*

**Uyghurs in Spotlight of Evolutionary and Forensic Genetics: A Sino-German Collaboration 2005-2020**  
*Carola Sachse,*

*University of Vienna*

Chair:

**Cyrus C. M. Mody**, Maastricht University

#### 076. Mathematics in Motion: Equations as Mediators for the Circulation of Knowledge

Organized Session

2:30 pm to 4:00 pm, Monday 13 July  
*Edinburgh Futures Institute: 1.55*

Participants:

**A Museum Exhibit Beyond the World of Numbers: Mathematica from Charles and Ray Eames, 1961**  
*Andrew Fiss, Michigan Technological University*

**Measuring Coastlines from Anti-War Research to Fractal Geometry**  
*Abigail Alling Taylor-Roth, University of Chicago*

**Equations Embodied: Models of Thermodynamic Surfaces and the Circulation of Knowledge**  
*Peggy Aldrich Kidwell, Smithsonian*

**Mathematical Metaphors and the Birth of American Complexity Science**  
*Sebastian Fernandez-Mulligan, Yale University*

Session Organizers:

**Abigail Alling Taylor-Roth**, University of Chicago  
**Sebastian Fernandez-Mulligan**, Yale University

Chair:

**Kevin Lambert**, California State University, Fullerton

#### 077. Ontologies of Waste: A Chaîne Opératoire Approach to Waste Knowledge and Practice in Longue Durée Eurasia

Organized Session

2:30 pm to 4:00 pm, Monday 13 July  
*Edinburgh Futures Institute: 1.60*

Participants:

**Toilet Ontologies: Using Occult Stories and Religious Sources in a Chaîne Opératoire Analysis**  
*Benjamin Sinvany, Columbia University*

**Sites of waste knowledge in agricultural chaîne opératoire in the Ilkhanate**  
*Riaz Howey, Max Planck Institute for the History of Science*

**Translating Yeast: Circular Fungal Waste in Taiwan's History of Nutritional Sweetness**  
*Nga Shi Yeu, Stockholm University*

Session Organizer:

**Benjamin Sinvany**, Columbia University

Chair:

**Xinhao Du**, Institute for the History of Natural Sciences, Chinese Academy of Science

**078. Representing Pregnancy: Science and Culture in the 20th Century 2**

Organized Session

2:30 to 4:00 pm, Monday 13 July

Edinburgh Futures Institute: 2.20

Participants:

**Imaging timescapes: pregnancy and the creative emotions of technology** *Maria J Santesmases, CSIC, Spain*

**Constructing medical pregnancy: women, foetus, and rubella control** *Marta Velasco Martín, Universidad Complutense de Madrid*

**Between punitive measures and medicalisation: representations of self-managed abortion in contemporary Spain (1985–2022)** *María Mundi-López, University of Granada/EHESS*

**Radical healthcare and the pursuit of democracy under one-party rule** *Jennifer Nelson, University of Redlands*

Session Organizers:

**Agata Ignaciuk**, University of Granada  
**Sylwia Kuźma-Markowska**, University of Warsaw

Chair:

**Sylwia Kuźma-Markowska**, University of Warsaw

Commentator:

**Laura Kelly**, University of Strathclyde, Glasgow

**079. CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 3**

Organized Session

2:30 to 4:00 pm, Monday 13 July

Edinburgh Futures Institute: 2.35

Participants:

**State Knowledge and the Performance of (Dis)ambiguity** *Martin Eiermann,*

*UW-Madison*

**Abandoning the Pseudocommons** *David Schmudde, Beyond the Frame*

**Digital Cassandras: A Prehistory of the Techlash** *Mar Hicks, University of Virginia*

**Free Software, Cypherpunks and the Creation of the 1980s "User"** *Liesbeth De Mol, CNRS - Université de Lille*

Session Organizers:

**Liesbeth De Mol**, CNRS - Université de Lille

**Elisabetta Mori**, Universitat Pompeu Fabra, Barcelona

Chair:

**Elizabeth Petrick**, Rice University

**080. Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks\_1**

Organized Session

2:30 to 4:00 pm, Monday 13 July

Edinburgh Futures Institute: 3.35

Participants:

**A New World of Data? How Charting Past Asymmetries in Scientific Data Can Shift Our Perspective on Their Current International Sharing Patterns** *Simone Turchetti, University of Manchester*

**Ancestries of Data Asymmetries in Physics: How the Diplomacy of Standards Prefigured CODATA's Activities** *Sara Bassanelli, Politecnico di Torino*

**International Data Circulation in the Geosciences: The Case of China (1950s–2000s)** *Xiaoyue Hu*

Session Organizers:

**Sara Bassanelli**, Politecnico di Torino

**Simone Turchetti**, University of Manchester

Chair:

**Sara Bassanelli**, Politecnico di Torino

**081. New Insights in Early Modern Science: Materialities**

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Isidore of Seville's Grammatical Legacy: Lexicography, Compilation, and the Symbolic Distinction Between Cruor and**

**Sanguis** *Maria Vittoria Martino*  
**Iberian Weather Soundings: Climate Knowledge in the "Repertorio de los tiempos"** *Juan Fernando León Báez, Northwestern University*

**Local Leaves, Global Flavours: Learning to Produce Tobacco in the Early Modern Habsburg Monarchy** *Leonhard Engelmaier, European University Institute*

Chair:

**Jip van Besouw**, Sant'Anna School of Advanced Studies

## 082. Late Nineteenth-century Sciences

Contributed Paper Session

2:30 to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**'Sciences from Enlightenment Studio': A Philosophy of Science in Rural China, 1860-1890** *John Alekna, Peking University*

**"A New Companion for the Iguanodon": Constructing Iguanodon and Mosasaur in Belgium (1880s)** *Tine De Keyser*

**"It Was My Destiny": 19th Century Women Medical Missionaries, Gender, and Empire in India** *Allison Love, University of New Mexico*

**Lake Moeris and the Aswan Dam: Geo-History and Colonial Terraforming in Egypt, 1880-1910** *Anna Simon-Stickley, Freie Universität Berlin*

Chair:

**Yichuan Chen**

## 083. Science, Technology and Politics in the 20th Century

Contributed Paper Session

2:30 to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Behind the Veil of Science Policy: Parliamentarians, the Bomb, and the Definition of Research in Sweden in the 1960s** *Per Lundin, Chalmers University of Technology; Ingemar Pettersson, Swedish Defence Research Agency*

**Cementing Portuguese Colonialism: The**

**Technopolitics of Soil Stabilization in Mozambique (1948-1974)** *Jaume Sastre-Juan, Institute for the History of Science - Universitat Autònoma de Barcelona; M. Luísa Sousa, CIUHCT, NOVA FCT*

**Cold War Debates on the Organization of Science in Socialist Yugoslavia (1950-1963)** *Maja Korolija, University of Belgrade - Institute for Multidisciplinary Research, National Institute of the Republic of Serbia*

**Not Externalist Enough: Soviet Biology in the Grip of Planned Economy** *Sergei Shevchenko, Ruhr University Bochum*

Chair:

**Malgorzata Mazurek**, Columbia University

## 084. Scientific Instruments

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, -1 - Conference Organisers Room

Participants:

**The Search for Genuine 'Newton's Prisms': A Comparison with 18th-Century Dutch Newtonian Prisms of High Dispersion** *Yosimi Takuwa, Institute of Science Tokyo*

**Test Objects in Victorian Microscopy: Unexpected Uses and Users** *Meegan Kennedy, Florida State University*

Chair:

**Luisa Lovisetti**, University of Milan

## 085. Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 3

Organized Session

2:30 to 4:00 pm, Monday 13 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Mesopotamian Lunar Visibility, Length of Daylight, and Shadow Length Tables and their Relationship to Greek, Jewish, Egyptian, and Ethiopic Tables** *John Steele, Brown University*

**Gerard of Cremona and the Toledan Tables** *Stefan Zieme, Humboldt University Berlin*

**The Parisian Alfonsine Tables in**

**North-Eastern Italy: Evidence from the MS Munich, Bayerische Staatsbibliothek, Clm 10268** *Eleonora Andriani, Max Planck Institute for the History of Science, Berlin*

**Controlling the Flow: Tabular Management of True Syzygy Computations in Paris (1320–1340)** *Matthieu Husson*

Session Organizers:

**Stefan Zieme**, Humboldt University Berlin

**Matthieu Husson**

Chair:

**Michael Korey**, Mathematisch-Physikalischer Salon (Staatliche Kunstsammlungen Dresden)

**086. From Streams to Basins: Knowing and Governing Water in the 20th Century**

Roundtable

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 3 - Fintry Auditorium

Chair:

**Susan Lindee**, University of Pennsylvania

Participants:

**Lino Camprubí**, University of Seville

**Alexandra Hui**, University of Toulouse - Jean Jaurès

**John Kanbayashi**, University of Pennsylvania

**Andreas Mentrup-Womelsdorf**, University of Augsburg

**Anna Lehr Mueser**, University of Pennsylvania

**087. Water Knowledge and Water Experts I**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Contesting sources for water knowledge and consumptive practices in early modern England** *Daniel Gettings, University of Warwick*

**Witnessing with water: Water knowledge from Amsterdam notarial depositions in the long eighteenth century** *Bob Pierik, Vrije Universiteit Brussel*

**Essay prizes and citizen-experts in the eighteenth-century Dutch Republic**

*Anna-Luna Post, Leiden University*

Session Organizers:

**Anna-Luna Post**, Leiden University

**Davide Martino**, Université Libre de Bruxelles (ULB)

Chair:

**Lydia Barnett**, Northwestern University

**088. Stratigraphy, Deep Time, and the Making of Geological Knowledge 3**

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**The Earth's Many Layers: Stratigraphic Maps and the Battle for the Black Hills**

*Samantha Wagner, New York University*

**Materialising Deep Time: Ceramics, Glass, and Plural Scientific Worlds at the Museum of Practical Geology** *James Leo Kiernan, University of Edinburgh*

**Red Granite: History, Geology, and Socialist Monuments in East Berlin** *Leander Basil Diener, University of Zurich*

Chair:

**Brian Vick**, Emory University

**089. Contested Conceptions of Atlantic Animals I**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Music and the Manatee: Knowledge Interaction in the Spanish and Portuguese Empires** *Tasio Rodrigo, Institute of History of Science, Universidad Autónoma de Barcelona*

**Animating the Atlantic: The Marine Creature as Prodigy and Artificial Spectacle in Early Modern Italy** *Phoebe Price, Stanford University*

**Coatis: From the Americas the Europe, From the Familiar to the Exotic** *Deniz Martinez, University of Delaware*

Chair:

**Seán Thomas Kane**, Binghamton University

**090. Genealogy & Inheritance between Passion, Law, and Science, I**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July  
EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Divine Institutions: Genealogical Thinking and Social Organization in Ancient Greece** *Calloway Scott, University of Cincinnati*

**Apologies to Sahlins: Aristotle and the Anthropology of Kinship** *Malina Buturovic*

**Systems of quantifying kinship and descent in Western Europe, ca. 1100 and 1600** *Simon Teuscher, University of Zurich*

**Affinity: A Genealogical Metaphor at the Centre of Eighteenth-Century Sciences** *Staffan Mueller-Wille, Cambridge University*

Session Organizers:

**Mackenzie Anne Cooley**, Hamilton College

**Markus Friedrich**, Universität Hamburg

Chair:

**Kassandra Miller**, Colby College

#### 091. The Local and the Global in Scientific Information

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Scientific Information for Peace or Progress?** *Lai Ma, University College Dublin*

**The Scope and Limitations of Scientific Information Planning in Argentina (1958–1976)** *Camila Indart, CONICET*

**"Information and Documentation" (IuD) in the long 1970s, or: The Politics of Encyclopedism before the Web** *Mathias Grote, Universität Greifswald; Max Stadler, Humboldt Universität zu Berlin*

**Exporting Publishing Standards / Negotiating "Scientific Information"** *Alex Csiszar, Harvard University*

Session Organizers:

**Alex Csiszar**, Harvard University

**Mathias Grote**, Universität Greifswald

Chair:

**Mathias Grote**, Universität Greifswald

#### 092. Natural Extraction: Shifting Epistemic Hierarchies Within the Danish Atlantic Empire,

1770–1940

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**Managing Faroese Coal: Negotiating Epistemic Hierarchies in the Danish Bureau of Mines, c. 1770-1790** *Niels Josva Balling, Aarhus University*

**Meteorological Inscription Within a Fragmented Empire: Regional and Imperial Circulation of Paper-borne Weather Knowledge in Iceland and the Danish West Indies, 1841-1877** *Dann Grotum, European University Institute*

**Rooted in Soil, Fixed on Paper: Hybrid Knowledge Exchanges in The Greenland Herbarium** *Olivia Trude Struve, Aarhus University*

Session Organizer:

**Christoffer Basse Eriksen**, Aarhus University

Chair:

**Christoffer Basse Eriksen**, Aarhus University

#### 093. From the Household to the Lab: Tracing Gendered Labour of Collection (18th-20th centuries)

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**"She will draw them without an Expence and thank them for the Favour": Gender, Nature and the Creation of Elizabeth Blackwell's A Curious Herbal (1737-39)** *Elaina Foley, University of Southern California*

**Women, Marine Botany and the Family Enterprise of Natural History** *Laurence Talairach, Alexandre-Koyré Center/University of Toulouse* *Jean Jaurès*

**Glassworkers: women making microscope slides (late 19th c.-late 20th c.)** *Déborah Sarah Dubald, University of Strasbourg*

**The Labourious Opportunity: Female Scientific Labour and the Origins of the Molecularization of the Botanical World** *Nuala Caomhanach, New York University/American Museum of Natural*

*History*

Session Organizer:

**Déborah Sarah Dubald**, University of  
Strasbourg

Chair:

**Jenna Tonn**, Boston College

**094. Plant Humanities 3 - Case Study: The  
Eastern Mediterranean Plants**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Natural History Exploration in the  
Eighteenth- and Nineteenth-Century  
Ottoman Mediterranean** *Sahar Bazzaz*,  
*College of the Holy Cross*

**Producing and Circulating Botanical  
Knowledge in the Late Nineteenth- and  
Early Twentieth-Century Eastern  
Mediterranean (Ottoman Syria and  
Lebanon)** *Ilham Khuri-Makdisi*, *Northeastern  
University*

Session Organizers:

**Yota Batsaki**, *Dumbarton Oaks, Harvard  
University*

**Elena Canadelli**, *University of Padova*

Chair:

**Yota Batsaki**, *Dumbarton Oaks, Harvard  
University*

**095. The Making of Psychotherapeutic  
Knowledge: Research Practices, Epistemic  
Cultures, and Disciplinary Negotiations 1**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Lowther

Participants:

**Rushing To Prove Them All Wrong:  
Objectivity, Openness, and the  
Weaponization of Psychotherapy  
Research in Professional Authority  
Disputes in American Clinical Sciences,  
1920s-1940s** *Catriel Fierro*, *History of  
Science Institute - Autonomous University of  
Barcelona*

**Non-directive Therapy and Directive  
Narration? Epistemic and Textual**

**Dynamics in Carl Rogers's Psychotherapy  
Cases** *Kim Hajek*, *Technical University of  
Munich*

**Paper Tools at Beck's Center for Cognitive  
Therapy: Materializing Epistemic Values  
and Shaping Research, Training and  
Therapeutic Practice** *Iván Moya Diez*,  
*IMGWF, University of Luebeck*

**Nervous mothers, cared-for children and  
the right environment: attachment theory  
in West and East Germany, 1950–1980**  
*Viola Balz*

Session Organizers:

**Iván Moya Diez**, *IMGWF, University of  
Luebeck*

**Kim Hajek**, *Technical University of Munich*  
**Catriel Fierro**, *History of Science Institute -  
Autonomous University of Barcelona*

Chair:

**Lisa Malich**, *University of Luebeck*

**096. Classifying Nature, Reordering East Asia:  
Science and Identity in Postwar Japan and  
South Korea**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Menteith

Participants:

**"Where Typhoid Becomes Virulent": Yoshio  
Aoki's Bacterial Geography and the  
Reordering of Asia** *Kyoryen Hwang*, *Seoul  
National University*

**Transnational Non-Western Methods:  
Russian and Japanese Re-Centering of  
World History through Crop Origins** *Kaori  
Iida*, *The Graduate University for Advanced  
Studies, SOKENDAI*

**Social Construction of "Baekdudaegan"**  
*Taeho Kim*, *Jeonbuk National University*

Session Organizer:

**Jaehwan Hyun**, *Pusan National University*

Chair:

**Fa-ti Fan**, *Binghamton University*

Commentator:

**Ruselle Meade**, *Cardiff University*

**097. Fertility and the Sexed Body: Midwifery and Childbirth**

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 2 - Moffat

Participants:

**In Women's Hands: The Reform of the Art of Midwifery from Basque Archives, 1750-1830** *Leire Pérez Santacara, University of the Basque Country*

**Female Migrant Workers and the Contested Epistemologies of Childbirth in Western Germany (1950s-1970s)** *Bettina Sophia Wagener, University of Siegen, Germany*

**Histories of Menstrual Products Technologies in Modern Japan: Uncovering the Hidden Prehistory of Femtech** *shiyu sun, International Research Center for Japanese Studies*

Chair:

**Aya Homei**, The University of Manchester

**098. Cybernetic Anthropologies: Midcentury Redesigns of a Technomodern Field**

Organized Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Beyond High-Level Linguistic Abstractions: Margaret Mead, Language, and the Affordances of Cybernetics** *Bethany Anderson, University of Illinois Urbana-Champaign*

**How to Interpret a Control-Mechanism: Metaphors, Cybernetics, and Clifford Geertz** *Matteo Bortolini, University of Padova*

**RAND's Linguistic Drive: Computerizing Anthropology in 1960s Chiapas** *Matthew Watson, Mount Holyoke College*

Chair:

**Matthew Watson**, Mount Holyoke College

**099. Thinking about Time and the Cosmos**

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Spotting Planets: From Surface Marks to**

**Atmospheric Worlds** *Janna Katharina Mueller, University of Cambridge*

**De Eternitate Mundi and Steady-State Cosmologies** *Eve-Aline Dubois, UNamur*

**Astronomy as the Foundational Science in Comte's Philosophy of Science** *Shen Huixia*

**Linear Progress as Necessary Fiction: Auguste Comte Against Intellectual Anarchy** *Masahito Hirai, The University of Tokyo*

Chair:

**Zeynep Kuleli**, PROXISENSES Project at the University of Liège

**100. Public Health in Europe**

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Putting a Price on Health: Knowledge Claims and Ethical Considerations in the Field of Health Economics** *Annika Berg, Stockholm University*

**Mapping Health Risks from Below: Socialist Everyday Life and Empirical Sociology in 1970s-80s Hungary** *Viola Lászlófi, Central European University*

**The Airman Brought Him the Medicine: Obtaining Drugs from Abroad During the Franco Regime** *Angeles Gomez-Martinez, López Piñero Interuniversity Institute-Miguel Hernández University of Elche*

Chair:

**Richard C Keller**, University of Wisconsin-Madison

**101. Hidden Legacies of Slavery and Freedom in the History of Science**

Contributed Paper Session

2:30 pm to 4:00 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Charles Lyell's Principles of Reform: Reconstructing Lyell's Early Intellectual Development 1816-1833** *Felicity MacKenzie, University of Edinburgh*

**Contested Categories: Disability,**

**Enslavement, and the Making of Census Knowledge in the Antebellum United States** *Brayden J Rothe, University of Minnesota*

**Meanings and Measures of Skin Color: Eugenics, Race, and the Legacy of Slavery** *Rana Asali Hogarth, University of Pennsylvania*

**Harold “Doc” Edgerton Invites “Seeing the Unseen”: From Milk Drop’s Coronet to MIT’s Formerly Enslaved Janitor** *Elizabeth Cavicchi, Edgerton Center MIT; Jia-Yi Andrea Lim, National University of Singapore; Audrey Tao, Massachusetts Institute of Technology; Nikki Yip, Massachusetts Institute of Technology*

Chair:  
**Jacob Myers**, Max Planck Institute for the History of Science

**102. Rethinking Darwinism: New Perspectives on the History of Evolutionary Thought**

Roundtable  
2:30 pm to 4:00 pm, Monday 13 July  
EICC: Pentland Auditorium

Session Organizer:  
**Maurizio Esposito**, University of Milan

Chair:  
**Bárbara Jiménez**, University of the Basque Country

Participants:  
**Richard Delisle**, University of Lethbridge  
**David Ceccarelli**, Roma Tre University  
**Koen Tanghe**, Ghent University  
**Martin Ribeiro**, University of Lisbon

**103. Practitioners, Artisans and Instruments in the Making of Premodern Science, III**

Organized Session  
2:30 pm to 4:00 pm, Monday 13 July  
EICC: Floor, Level 1 - Platform 5

Participants:  
**The ‘learned practitioner’: professors of secrets and the medical marketplace of late Renaissance Italy** *Ruben Celani, University of Notre Dame*  
**The quarrier and the forge: sculpture’s instruments in Renaissance mineral arts** *Genevieve Warwick, University of Edinburgh*

**Drying, Mounting, and Knowing: Herbaria between Practices and Science** *Lucie Strnadová*

**James Sowerby and the White Waterlily** *Ulrich Stegmann, University of Aberdeen*

Session Organizer:  
**Fabrizio Baldassarri**, University of Rome 3  
Chair:  
**Tina Asmussen**, Ruhr University Bochum / German Mining Museum Bochum

**104. Shifting Perspectives on the History of Discovering DNA’s Double Helix Structure**

Roundtable  
2:30 to 4:00 pm, Monday 13 July  
EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizers:  
**Michelle DiMeo**, Science History Institute  
**Ludmila Pollock**, Cold Spring Harbor Laboratory

Chair:  
**Alistair Sponsel**, Science History Institute

Participants:  
**Matthew Cobb**, University of Manchester  
**Nathaniel Comfort**, Johns Hopkins University  
**Angela Creager**, Princeton University  
**Rena Selya**, Cedars-Sinai

**105. Plural Epistemologies and The Role of Time in the History of Waterscapes**

Organized Session  
2:30 pm to 4:00 pm  
EICC: Floor, Level 0 - Tinto Suite

Participants:  
**Drying the Paddy Fields: Temporality and Epistemic Transformations in Climate Adaptation** *Suzanne Moon, University of Oklahoma*

**Deep Time: Mātauranga, Temporality, and the Geologies of Geothermal Things** *Nathan Narain Kapoor, Illinois State University*

**Boggy Sciences: Peatland Studies in the Early 20th Century United States** *Cecilia Slane, University of Oklahoma*

**Agroecological Muck-raking: Swamp Farming the Neo-Chinampas of Southern Mexico, 1975-1989** *Paul Vieth, University of Oklahoma*

Chair:

**Suzanne Moon**, University of Oklahoma

**106. Rarity in Medicine 2: Geographies and Politics**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 1.40

Participants:

**Rarities of the Southern Frontier: Tropical Illnesses and the Politics of Novelty in Early Modern China** *Brian S.-K. Li, Max Planck Institute for the History of Science*

**From Rare to Hiding in Plain Sight: 'Cretinism,' Goitre, and 'Feeble-mindedness' in Interwar America** *Sarah Naramore, University of Edinburgh*

**Uses and Functions of Rarity in Contemporary UK Biomedicine** *Jenny Bangham, University of Edinburgh*

Session Organizers:

**Jenny Bangham**, University of Edinburgh

**Silvia De Renzi**, The Open University

**Andrew Mendelsohn**, Queen Mary University of London

Chair:

**Karin Tybjerg**, University of Copenhagen

**107. The Shared World of Ancient Medicine: A Conceptual Framework for Technical Circulation and Exchange in Eurasia and North Africa**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 1.50

Participants:

**New discoveries on phlegm and sputum: A common medicine from cuneiform to Hippocrates** *Strahil Panayotov, Bulgarian Academy of Sciences*

**In Search of Ostones through Medical and Chemical Techniques** *Maddalena Rumor, Case Western University*

**Toxicological Exchanges from India to Greece (4th c. BCE to 2nd c. CE)** *Colin Webster, UC Davis*

Chair:

**Colin Webster**, UC Davis

**108. New Perspectives on the History of Science Diplomacy 2**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 1.52

Participants:

**The Station Biologique de Roscoff and the Scottish Marine Station for Scientific Research in Oban: "Une Histoire Croisée" across France and Scotland** *Marion Maisonobe, CNRS; Niki Vermeulen, University of Edinburgh*

**Wildlife Films and the Making of the Conservation-Ecotourism Nexus in the Galápagos Islands** *Miles Kempton, University of Cambridge*

Chair:

**Doubravka Olsakova**, Charles University, CZ

**109. Transformations of Mathematics in the 20th Century**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 1.55

Participants:

**Between Necessity and Interest: The Expansion of the Mathematical Community in the United States, 1945-1991.** *Lukas Alexander Schievelbusch, University of Wuppertal*

**"Göttingen, we have a problem!" – Rethinking Listing and Institutionalization of Problems in Modern Mathematics** *Jan Vrhovski, University of Edinburgh*

**From Concrete Forms to Abstract Structures: A Bibliometric Study of the Term 'Structure' in Mathematical Review Journals from 1889 to the 1960s** *Elife Çetintaş, University of Wuppertal*

**Promath – A Prosopographical Take on the Development of the Mathematical Elite in Germany 1920-1960** *Tim Lork, University of Wuppertal*

Session Organizer:

**Lukas Alexander Schievelbusch**, University of Wuppertal

Chair:

**Michael J. Barany**, University of Edinburgh

**110. Instruments and Imperialism: Markets, Networks, and Patronage in the World of James Dinwiddie (1746-1815)**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 1.60

Participants:

**James Dinwiddie's experimental empire'**

*Larry Stewart, University of Saskatchewan*

**Andrew Mackay, the East India Company and teaching navigation in London c. 1800**

*Rebekah Higgitt, National Museums Scotland*

**Overseas markets of W. & S. Jones, mathematical, optical and philosophical instrument makers, London**

*Alison D. Morrison-Low, National Museums Scotland*

Session Organizers:

**Rebekah Higgitt**, National Museums Scotland

**Larry Stewart**, University of Saskatchewan

Chair:

**Charlie W.J. Withers**, University of Edinburgh

Commentator:

**Charlie W.J. Withers**, University of Edinburgh

**111. Predicting Fertility, Fertility's Predictions: Measuring Bodies, Norms, and Futures**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 2.20

Participants:

**Aging Sperm: Semen Analysis, Sex Hormones, and Quantifying Physiological Age**

*Ben Maldonado, Harvard University*

**Predictive Tissue: Bull Testicle Tonometers and the Industrialization of Touch**

*Elsbeth Gow, University of Pennsylvania*

**Gender and Fertility Metrics**

*Marion Boulicault*

Session Organizer:

**Elsbeth Gow**, University of Pennsylvania

Chair:

**Ben Maldonado**, Harvard University

**112. CTRL ALT SHIFT. Experiences, Knowledge, Activism, Methods - 4**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 2.35

Participants:

**Ctrl+C, Ctrl+V. Compute. Beyond the Amateur/Professional Divide in Astronomy and Early Computing**

*Eva Kaufholz-Soldat, Koblenz University*

**Who Invented the Computer Revolution? Mapping Claims of Digital Shifts**

*Arianna Borrelli, RWTH Aachen, Germany*

**From Understanding to Acceptance: The Case of ALGOL 68 and Software Engineering**

*Amelie Mittlmeier, LMU Munich*

Session Organizers:

**Liesbeth De Mol**, CNRS - Université de Lille

**Elisabetta Mori**, Universitat Pompeu Fabra, Barcelona

Chair:

**Troy Kaighin Astarte**, Swansea University

**113. Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks\_2**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

Edinburgh Futures Institute: 3.35

Participants:

**Science Diplomacy from the Global South: An Overview of Brazilian S&T Strategy**

*Hermano do Amaral Pinto Neto, University of São Paulo*

**China and the Information Infrastructure of the Global South: Data Inequalities, Sovereignty, and Science Diplomacy under the WMO Framework (1980s–1990s)**

*Erchen Bo, Peking University*

**Data Asymmetries and Network Reproduction in the Making of the IUCN as a "Global Clearing House" for Species Conservation**

*Sotiris Mikros, CHSTM, University of Manchester*

**Allies, Controversies, and Data Sharing: Biomedical Research between Brazil, the United States, and the United Kingdom (1938–1947)**

*Isabella Bonaventura, Federal University of São Paulo (UNIFESP)*

Session Organizers:

**Sara Bassanelli**, Politecnico di Torino

**Simone Turchetti**, University of Manchester

Chair:

**Simone Turchetti**, University of Manchester

**114. New Insights in Early Modern Science: Savants**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Rewriting Hayat al-Hayawan in Latin:**

**Abraham Ecchellensis' Translation of De proprietatibus ac virtutibus medicis animalium**

*Mehmet Feyzi Çetinkaya, İstanbul Medeniyet University, Institute of History of Science*

**The Case for Galileo as a Secular Saint**

*Victoria Hammond, University of Louisville*

Chair:

**Racha Kirakosian**, Albert-Ludwigs-Universität Freiburg

**115. Knowing Nature in the 20th Century**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**Scientists on the Road: Mapping Mobile Environmental Knowledge in the U.S., 1924-1943** *Gilberto Mazzoli, University of Konstanz*

**Aqueducts, Women, and Gazelles: Hydrocolonial Knowledge and the Politics of Water in Fascist Italy** *Roberta Ranieri, University of Bari*

**The Bizarre Wests of Walter Prescott Webb and Mari Sandoz** *Andrew Graybill, Southern Methodist University*

**Making Meteorology in 1950s China: Unstable Knowledge, Practices and Materials** *Yifan Song, Durham University*

Chair:

**Margaret Maeve Spaulding**, UCLA

**116. Science, Politics, and the Nation**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**The Economic Crises of 1825-6: Retrospections** *Brian P Cooper*

**The Knowledge Networks of the Indian Gravitational Wave Physicists in the LIGO Project**

*Blesil T K, Independent Scholar*

**The Science of Black Methodism**

*Kelcey Gibbons, MIT*

**117. Trust, Distrust, Faith and Disbelief**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Trust, Belief and Power** *Robert Bud, The Science Museum, London*

**"In Science we Trust?": Hagiography, Science and the Ethics of Trust in the Constructed Public Scientist** *Franziska Elisabeth Kohlt, University of Leeds*

**Christian Deconstructionist Climate Science, Distrust and "The Scientific Consensus"** *Mallory Anne Hrehor, University of Cambridge*

**Good Medication or Evil Intoxicant? – Discussing Psychopharmaceuticals in British Newspapers, 1960-1980** *Paulina S. Gennemann, University of Marburg*

Session Organizer:

**Robert Bud**, The Science Museum, London

Chair:

**Jaume Navarro**, University of the Basque Country

**118. The Late Ian Hacking's Legacy for the History of Science: Reasoning, Kinds, Trees of Life**

Roundtable

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 3 - Fintry Auditorium

Session Organizers:

**Gordon McOuat**, University of King's College/Dalhousie University

**Emmanuel Delille**, Centre Marc Bloch, HU-Berlin

Participants:

**Matthew Perkins-McVey**, Technion

**Matteo Vagelli**, Cà Foscari University of Venice

### 119. Water Knowledge and Water Experts II

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**“This country work”:** Enslaved people’s water knowledges in nineteenth-century Berbice *Frederick Bricknell, University of Hull*

**Contested Waterscapes: Plural Water Knowledge and Environmental Transformation along the Canal del Dique** *Christiane Hoth de Olano*

**Troubled waters: encounters between colonial and local hydro-knowledges in French Guiana** *Marquisar Jean-Jacques*

**Thirsty cities: upending hierarchies of water knowledge in the colonial Guianas** *Davide Martino, Université Libre de Bruxelles (ULB)*

Session Organizers:

**Davide Martino**, Université Libre de Bruxelles (ULB)

**Anna-Luna Post**, Leiden University

Chair:

**Claire Stichting Weeda**, Leiden University

### 120. Geosciences in the 19thC and 20thC

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Dead Work and Science: The Labor of Discovery on the Comstock Lode, 1860-1880** *Paul Lucier*

**A Growing Earth: A. E. Nordenskiöld and the Nineteenth-Century Cosmos of Dust** *Niklas Hietala*

**British Geology in Late Qing China: A Research on the Dissemination of Works by Geologists during Victorian Era** *Lijuan Yang, Zhejiang University*

**Facing Uncertainty in Volcanic Risk Management: The Tazieff-Allègre Controversy on Guadeloupe’s Soufrière Eruption** *Nestor Herran, Sorbonne Université*

Chair:

**James Andrew Secord**, University of Cambridge

### 121. Models, Concepts and Boundaries in the 19th and Early 20th Century

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**The Language of the "Statistical": Contrasting Maxwell and Boltzmann on Gas Theory** *Hajime Inaba, Meiji University / University of Copenhagen*

**Sirius Business: Infidel Astronomy and the Dog-Days King** *Eoin Carter, Independent Scholar*

**Whence ‘Physical Astronomy’? Mapping Disciplinary Boundaries of Astronomical Sciences in Nineteenth-Century Europe** *Nichole Levesley, University of Cambridge*

**Hydrodynamic Fields of Force: Bjerknes’ Experimental Program on the Mechanical Nature of Electromagnetism** *Roland Wittje, University of Oslo, Norway*

### 122. Genealogy & Inheritance between Passion, Law, and Science, II

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Buffon’s Dogs: Breeding, Empire, and the Visualisation of Race** *Jens Amborg, University of Uppsala; Petter Hellström, Uppsala University*

**Art-Historical Origins of Sexual Selection** *Emmelyn Butterfield-Rosen, Institute of Fine Arts*

**From “the Genealogical Sublime” to “Dead and Deleted”:** Digitization and DNA Databanks *Julia Creet, York University*

Session Organizers:

**Markus Friedrich**, Universität Hamburg

**Mackenzie Anne Cooley**, Hamilton College

Chair:

**Mackenzie Anne Cooley**, Hamilton College

### 123. Researchers and the Management of Scientific Journals in the Mid-20th-Century: Franco-British Perspectives

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Scientists' involvements in academic publishing before open access: a comparative survey of publishing companies controlled by authors, Britain and France, 1920-1990** *Valérie Tesnière, Ecole des Hautes Etudes en Sciences Sociales. Centre Maurice Halbwachs*

**Behind the École des Annales: the Marc Bloch Society between scientific publishing and research support, 1949-1984** *Gabriel Galvez-Behar, Université de Lille*

**Ownership and control of scientific journals: British perspectives in the 1960s and 1970s** *Aileen Fyfe, University of St. Andrews*

Session Organizers:

**Marianne Noel**, LISIS (CNRS, INRAE, Université Gustave Eiffel)

**Aileen Fyfe**, University of St. Andrews

Chair:

**Alex Csiszar**, Harvard University

#### 124. Science at the End of Empire: Britain's Studies of the Body

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**'Pneumoconiosis Research and the Changing Significance of the Coal Miner's Body in Britain'** *Andrew Seaton, University College London*

**Seeing Bodies, Scaling Pain: Adjudicating War Injury Disability at the End of Empire in British India** *Hilary Buxton, Kenyon College*

**The Creation of the International Biological Programme between the Cold War, Decolonization, and Disciplinary tensions** *Daniele Cozzoli*

Chair:

**Alma Igra**, University of Amsterdam

#### 125. Human Isolates and Population

**Admixtures: The Changing Politics of Human Genetics in the 20th and 21st Centuries**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**"With the children of the Moon": Newton Freire-Maia study on albinism and its public repercussions in Brazil** *Ana Carolina Vimieiro, Universidade Federal de Minas Gerais*

**Between Mestizo/admixed genes and Indigenous/"purified" genomes** *Carlos Lopez Beltran, Instituto de Investigaciones Filosóficas - National Autonomous University of Mexico*

**The (Scientific) Advantages of Segregation: Human Isolates and the Making of Genetic Epidemiology** *Luc Berlivet, French National Centre for Scientific Research; Catherine Bourgain, French National Institute of Health and Medical Research*

Session Organizer:

**Luc Berlivet**, French National Centre for Scientific Research

Chair:

**Jaehwan Hyun**, Hanyang University

#### 126. Plants, Heritage and Colonial Histories – A Roundtable

Roundtable

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 2 - Lennox 3

Session Organizer:

**Sarah Easterby-Smith**

Chair:

**Elena Romero-Passerin**, University of Bristol

Participants:

**Sarah Easterby-Smith**

**Jessica Moody**, University of Bristol

**Laura Premack**, Independent Scholar

#### 127. The Making of Psychotherapeutic Knowledge: Research Practices, Epistemic Cultures, and Disciplinary Negotiations 2

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Lowther

Participants:

**How to get away with Murder: The Rise of Behavioral Therapy within the Psy-Sciences in West-Germany, 1960s–1970s** *Lisa Malich, University of Luebeck*

**Juncture moments in the development of the psy-sciences. A comparative analysis of the shift to neuroscience in the 1990s Decade of the Brain** *Wessel De Cock, Humboldt University Berlin*

**Pluralism in Psychosomatics in Germany** *Cornelius Borck, Institute for History of Medicine and Sciences Studies, University of Luebeck*

Session Organizers:

**Iván Moya Díez**, IMGWF, University of Luebeck

**Kim Hajek**, Technical University of Munich  
**Catriel Fierro**, History of Science Institute - Autonomous University of Barcelona

Chair:

**Iván Moya Díez**, IMGWF, University of Luebeck

## 128. Contested Bodies: Science and Statecraft in 20th-Century China and Taiwan

Organized Session

4:15 pm to 5:45 pm, Monday 13 July  
EICC: Floor, Level 1 - Menteith

Participants:

**Sovereignty on the Body: Forensic Science, Nationalism, and the Politics of Life and Death in Republican China (1911-1948)** *Ting-Yu Cai, Duke University*

**Against Intensity: Ping Pong, Martial Arts, and the Ideology of Sport in Republican China** *Nathaniel Pigott, University of California, Irvine*

**Disciplining Bodies through Disciplining Medicine: Plastic Surgery and Statecraft in 20th-Century US-Taiwan Relations** *Adrien Gau, University of Pennsylvania*

Session Organizer:

**Adrien Gau**, University of Pennsylvania

Chair:

**Jia-Chen Fu**, Institute of Modern History, Academia Sinica

## 129. Women Healers: Nursing in the Early 20th Century

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July  
EICC: Floor, Level 2 - Moffat

Participants:

**Miraculous Hands: Female Practitioners of Western Medicine in Chinese Pictorials, 1884-1913** *Dizhen Wu*

**White Aprons in Dirty Wars: Women, Medicine, and Colonial Violence at the Turn of the Twentieth Century** *Taylor Soja, Illinois State University*

**Negotiated Racial Inclusion in Nursing Education: Japanese Canadians and Christian Humanism in Western Canada, 1925-1955** *Helen Vandenberg, University of Saskatchewan; Letitia Johnson, University of Alberta; Emily Kaliel, University of Guelph*

Chair:

**Eleanor Shaw**

## 130. Dissent, Translation, and Appropriation in Chemical Textbooks, 1760-1881

Organized Session

4:15 pm to 5:45 pm, Monday 13 July  
EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Democratic, Explosive, Insurrectionary: Edinburgh, Birmingham, and the Birth of a Radical Philosophical Chemistry** *Esther Simon, University of Illinois Urbana-Champaign*

**The Chemical Revolution in American Chemistry Textbooks of the Early 19th Century** *John C Powers, Virginia Commonwealth University*

**Communicating embodied knowledge through text: Rose's Handbuch der analytischen Chemie (1829)** *Sarah Hijmans, Université Paris Cité - Laboratoire SPHERE*

**The Regnault-Strecker Textbook of Chemistry (1850-1881)** *Peter Ramberg, Truman State University*

Session Organizer:

**Peter Ramberg**, Truman State University

Chair:

**Charlotte Abney Salomon**, Science History

Institute

**131. Thinking about Time and Cosmos 2**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Re-enchantment: The Making of Cometary Knowledge in London and Paris, 1811-1812** *Dejuang Li, University of Cambridge*

**Shifting Cosmic Perspectives: Whewell, Plural Worlds and Scientific Limits to Astronomical Extrapolation in the Nineteenth-Century** *Carlos Sierra, University of Antioquia*

**Armillary Spheres and Moon Goddesses: Hybrid Cosmologies in New Spain** *Kathleen M. Crowther, University of Oklahoma*

**132. Medical Professionalization and Its Histories**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**From Medical Language to Professional Guidance: Huarte's Concept of Ingenium through the Gardener Metaphor** *Pengchen Dai*

**The Fight Against Medical Heterodoxy: T. R. Allinson and the General Medical Council, 1892.** *Nia Goc, -*

**Unanimity and Exclusion: Contested Authority at the 1881 International Medical Congress** *Mariko Ogawa, professor emerita*

Chair:

**Pradipto Roy**

**133. Making and Unmaking Colonial Science**

Contributed Paper Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**The Role of Moroccan Intermediaries in the Scientific Missions of Geologist Louis Gentil at the Time of the Colonization of**

**Morocco** *Léane Mousseau, Sorbonne University*

**Turning Colonialist Philosophy on Its Head: May Ziadeh, Critic of Technoscientific Determinism** *Rayyan Dabbous, University of Toronto*

**Colonial Administrator-Intellectuals across the British Empire: Appropriating Knowledge and Extracting Labour in the Late Nineteenth-Century.** *Mobeen Hussain, University of York*

Chair:

**Sarah Pickman**, Independent scholar

**134. Technology through the Kaleidoscope: Shifting Perspectives by Playing with Prepositions**

Roundtable

4:15 pm to 5:45 pm, Monday 13 July

EICC: Pentland Auditorium

Session Organizer:

**Francesca Bray**, University of Edinburgh

Chair:

**Francesca Bray**, University of Edinburgh

Participants:

**BuYun Chen**, Swarthmore College

**Martina Hessler**, Technical University of Darmstadt

**Magdalena Zdrodowska**, Uniwersytet Jagiellonski

**Slawomir Lotysz**, Polish Academy of Science

**135. At the Fringes of Earth Science Models**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 1 - Platform 5

Participants:

**Oceanographic models and diplomacy by the margins** *Pablo Lima Hernandez, Universidad de Sevilla*

**Modeling the World in the 1970s: Historical and Political Struggles in the Genesis of the World3 and Bariloche Models** *Giovanni Fava, Università Ca' Foscari Venezia*

**Weathering numerical models** *Barbara Mercier, Technische Universität Berlin*

Session Organizer:

**Barbara Mercier**, Technische Universität Berlin

Chair:  
**Dania Achermann**

**136. Material Culture and the History of Mathematical Science: Exploring Regional Traditions**

Roundtable

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizers:

**Dagmar Schaefer**, MPIWG

**Anjing Qu**

Chair:

**Matteo Valleriani**, Max Planck Institute for the History of Science

Participants:

**Irina Podgorny**, CONICET La Plata

**Senthil Babu Dhandapani**, French Institute of Pondicherry

**Ruiping Mu**

**Guo Shuaishuai**, Shandong Agricultural and Engineering University

**137. Listening Otherwise: Epistemic Justice and Methods of Research Participation in Histories of Reproductive Biomedicine**

Organized Session

4:15 pm to 5:45 pm, Monday 13 July

EICC: Floor, Level 0 - Tinto Suite

Participants:

**Learning with Patient Campaigners about an international Drug Scandal** *Birgit*

*Nemec*, University of Vienna; *Jesse Olszynko-Gryn*, MPIWG; *Mumtaz Hussain*, Worcester University

**The Participants: Remembering the Auckland Steroid Trial** *Charlotte*

*Greenhalgh*, University of Waikato

Session Organizers:

**Charlotte Greenhalgh**, University of Waikato

**Birgit Nemec**, University of Vienna

Chair:

**Tatjana Buklijas**, University of Auckland

**138. Opening Plenary: Thinking Across Time: History is Now**

Plenary Session

6:15 pm to 8:00 pm, Monday 13 July

EICC: Floor, Level 3 - Pentland Suite

Presenters:

**Adrian Johns**

**Sachiko Kusakawa**, Trinity College, Cambridge

**Dagmar Schaefer**, MPIWG

**Suman Seth**, Cornell University

**Mitchell G. Ash**, University of Vienna

**John Krige**, Georgia Institute of Technology

**Gisela Mateos**, Universidad Nacional Autónoma de México

**Abena Dove Osseo-Asare**, University of Texas at Austin

Chairs:

**Mackenzie Anne Cooley**, Hamilton College

**Aileen Fyfe**, University of St. Andrews

**Graeme Gooday**, University of Leeds

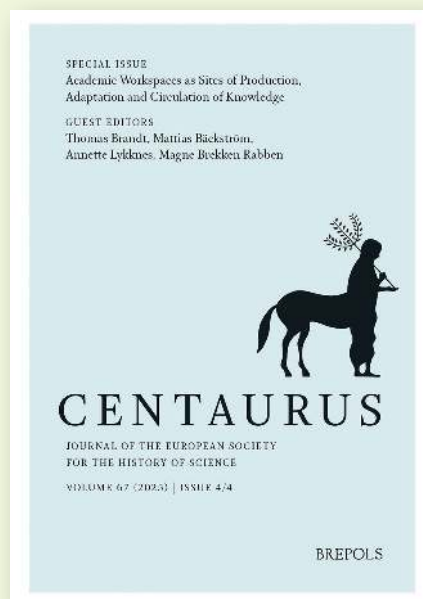
**Christopher Heaney**, Pennsylvania State University

**Roberto Lalli**, Politecnico di Torino

**Ana Simões**, Universidade de Lisboa

# CENTAURUS

JOURNAL OF THE EUROPEAN SOCIETY  
FOR THE HISTORY OF SCIENCE



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BREPOLS

## TUESDAY, JULY, 14

### 139. Registration Day 3

8:00 am to 6:00 pm, Tuesday 14 July  
EICC: Floor, Ground - Strathblane Hall

### 140. Exhibit Hall Day 2

9:00 am to 5:00 pm, Tuesday 14 July  
EICC: Floor, Ground - Strathblane Hall

### 141. Animal Networks. Zoos in the Peripheries

1  
Organized Session  
9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 1.40

Participants:

**Ignavus in Circulation: Sloth-Keeping, Colonial Misinterpretation, and the Erasure of Indigenous Knowledge in Early Modern Zoology** *Jenny Merker, University of Jena*

**Jussieu's Problem: Elephant Agency, Logistics, and the Embodied Colonial Archive** *Jed Chew, University of Chicago*

**Captive Subjects: Barrackpore Menagerie, British India, and the Global Animal Trade** *Alexander Clayton, University of Vermont*

**Innovative periphery? Ram Brahma Sanyal and the Calcutta Zoo** *Oliver Hochadel, IMF-CSIC, Barcelona*

Session Organizer:

**Oliver Hochadel**, IMF-CSIC, Barcelona

Chair:

**Marianna Szczygielska**, Max Planck institute for the History of Science

### 142. Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 1

Organized Session  
9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 1.50

Participants:

**"Necessary to human life:" Plants of Castile and food scarcity in the early colonial Spanish Empire** *Antoine Duranton, EHESS,*

*Paris*

« **L'art de convertir les vivres en pain**»: **Scarcity, Technology and Hybrid Knowledge in the 18th-Century Antilles** *Lavinia Maddaluno, Institut d'Études Avancées, Paris; University of Ca' Foscari in Venice (Italy)*

Session Organizer:

**Lavinia Maddaluno**, Institut d'Études Avancées, Paris; University of Ca' Foscari in Venice (Italy)

Chair:

**Gianamar Giovannetti-Singh**, University of Amsterdam

### 143. Early Modern Medicine 1

Contributed Paper Session  
9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 1.52

Participants:

**Disability, Melancholy, and Mental Health in Early Modern Italy** *Jessica Hogbin, Syracuse University*

**Rivals in Remedy: Professional Competition Among Ottoman Healers, 15th–17th Centuries** *Miri Shefer-Mossensohn, Tel Aviv University*

**"Crippled Surgeon, Infirm Sorcerer": Disability and Empowerment in Early Modern West Central Africa** *Myriam Carmen Iuorio, University of Toronto*

**Edward Taylor's Dispensatory: Medicinal Cannibalism in Late 17th-Century New England** *Abigail Beckett, McGill University*

Chair:

**Annastasia Conner**, University of Chicago

### 144. Shifting Perspectives in Historiography of Science under the Fascist Rule 1

Organized Session  
9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 1.55

Participants:

**Ettore Bortolotti, or the History of Mathematics from a Nationalistic Perspective** *Veronica Gavagna, University of Florence*

**Mathematics, discipline, and**

**nation-building: The case of E. A. Weiss**  
*Nicolas Michel, Université Claude Bernard  
Lyon 1 - Institut Camille Jordan*

**A cosmopolitan outlook against autarky:  
Enriques, Castelnuovo and the National  
Institute for the History of Science  
(1923-1938)** *Elena Scalambro, Università  
degli Studi di Torino*

**L'Unione Matematica Italiana and the  
creation of the series "Opere Scelte dei  
Matematici Italiani"** *Arrigo Pisati*

Session Organizers:

**Maria Giulia Lugaresi**, University of Ferrara  
**Erika Luciano**

Chair:

**Daniele Cozzoli**

Commentator:

**Daniele Cozzoli**

**145. European Surgeons Across the Early  
Modern World: Itineracy, Knowledge, and  
Practice**

Organized Session

*9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 1.60*

Participants:

**Closing wounds and opening doors:  
surgical skills and the desire to travel in  
the seventeenth century** *Tara Alberts, York  
University*

**The needle and the skin: Willem ten Rhijne  
and surgical encounters between Europe  
and Asia** *Wenrui Zhao, University of Utah*

**A Vade Mecum for Travel: Surgery and  
Itineracy in Early Modern Britain** *Elaine  
Leong, University College London*

**"I Have Traveled Far and Wide for 56  
Years": Choosing Itineracy in Early  
Modern Europe** *Alisha Rankin, Tufts  
University*

Session Organizer:

**Alisha Rankin**, Tufts University

Chair:

**Pablo F. Gómez**, University of  
Wisconsin–Madison

**146. What Is the History of Science? Part 1**

Organized Session

*9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 2.20*

Participants:

**The Importance of Passion: Quido Vetter  
and his role in cultivating histories of  
mathematics and the exact sciences**  
*Helena Durnová, Masaryk University*

**A Historiography in Flux: History of Science  
in the Baltic States** *Birute Raiiene,  
Wroblewski Library of the Lithuanian  
Academy of Sciences*

Session Organizer:

**Stephen P Weldon**, University of Oklahoma

Chair:

**Francesco Luzzini**, University of Eastern  
Piedmont

**147. Medicine, State Power, and Epistemic  
Hybridity in Maoist and Socialist China**

Contributed Paper Session

*9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 2.35*

Participants:

**Acupuncture and Biomedicine: Practices of  
Integration in Cultural Revolution China**  
*Sara Martinelli, University of Bari "Aldo Moro"*

**Hybrid Therapies, Contested Medicines:  
Making Diabetes in Maoist China** *Yinan  
Jin, University of Vienna*

Chair:

**Jialin Zhang**

**148. Past and Present Indigenous Knowledges  
and Scientific Authority in the Americas**

Organized Session

*9:15 am to 10:45 am, Tuesday 14 July  
Edinburgh Futures Institute: 3.35*

Participants:

**Environmental Knowledge and  
Archaeological Authority at Maya Sites**  
*Sophie Brockmann, University College  
London*

**Indigenous Knowledge, Technology and the  
Long History of Plant Transfers** *Deirdre  
Moore, EUI*

**Ring of Fires: Settler Colonialism and**

**Species Invasions in Southern California**

*Jeannie Shinozuka, Washington State University*

**Indigenous Knowledge and Transitional Justice** *Esteban Londoño*

Chair:

**Sophie Brockmann**, University College London

**149. Sources beyond the Archive**

Roundtable

*9:15 am to 10:45 am, Tuesday 14 July*

*National Museum of Scotland: Auditorium*

Chair:

**Donald L. Opitz**, DePaul University

Participants:

**Anna Doel**, American Institute of Physics

**Geoffrey Belknap**, National Museums Scotland

**Paul Merchant**, The British Library

**Paul Rubinson**, Bridgewater State University

**150. Sciences and Spiritualism**

Contributed Paper Session

*9:15 am to 10:45 am, Tuesday 14 July*

*EICC: Floor, Level 1 - Carrick Suites 1*

Participants:

**A Sacred Institution: The Hartlib Circle and the Religious Foundations of Scientific Community** *Bo van Broekhoven, The University of Edinburgh*

**Ernest W. Barnes and James Jeans: Two Perspectives on Spiritualism** *Florian Laguens, IPC-Facultés Libres, Paris*

**Representation of Metapsychology in Czech Scientific Discourse Around 1920** *Nikola Plíšková, Charles University*

Chair:

**Luis Fernando Bernardi Junqueira**, University of Cambridge

**151. Histories of Mathematics**

Contributed Paper Session

*9:15 am to 10:45 am, Tuesday 14 July*

*EICC: Floor, Level 1 - Carrick Suites 2*

Participants:

**The Vedas, the Archive, and the Footnote: Hindu Nationalism's Imprint on Modern**

**Histories of Mathematics** *Qurat ul Ain*

*Nayyar Khan, Princeton University*

**Women Logicians of the Lvov-Warsaw School Known to Heinrich Scholz** *Gabriela Teresa Besler, University of Silesia in Katowice*

**A Socio-Economic Historiography Approach of Early Dynamical Systems Theory (1880-1940)** *Andreas Sofianos, National Technical University of Athens*

Chair:

**Andrew Fiss**, Michigan Technological University

**152. Public Health and Governance in the 19th and Early 20th Century**

Contributed Paper Session

*9:15 am to 10:45 am, Tuesday 14 July*

*EICC: Floor, Level 1 - Carrick Suites 3*

Participants:

**Early Vaccination Networks Across Europe: Insights from a Spanish Physician's Papers (1800-1802)** *Jon Mata Gainzarain, UPV/EHU (University of the Basque Country)*

**Stars & Contested Nights: Astronomers, Police, and Streetlighting Engineers in Late 18th-Century - 19th-Century Paris** *Benjamin Bothereau*

**The "Modern" Census and the "Universally Ridiculed": Reassessing Chinese Responses to Qing Population Surveys, 1908-1911** *Qingrou Zhao*

**South Africa's Foul Urban Airs: Underground Sewers and Environmental Pressures in the British Cape Colony and Natal, 1860-1910** *Kristin Brig-Ortiz, Washington University in St. Louis*

Chair:

**Sarah Naramore**, University of Edinburgh

**153. GRAPHICS AND TEXT TWENTY YEAR**

**LATER-1: Patterns, Charts And Maps For The State**

Organized Session

*9:15 am to 10:45 am, Tuesday 14 July*

*EICC: Floor, -1 - Conference Organisers Room*

Participants:

**Number and Color in the Formation of**

**Correlative Thought in Ancient China**

*Donald Harper, University of Chicago*

**Spatial and Temporal Mappings of the Heavens: Moving Spirits, the Heavens in the Body and Mind-Body Dualism**

*Lisa Raphals, University of Edinburgh and University of California Riverside*

**Making Sense of Illustrations and Maps Related to River Control in Late Imperial China**

*Iwo Amelung, Goethe-University, Frankfurt am Main, Germany*

**Image-Text Relations in Kim Jeongho's Geography of Nineteenth-Century Korea**

*Jongtae Lim, Seoul National University*

Session Organizer:

**Karine C. C. Chemla**, University of Edinburgh and SPHERE, CNRS-UPC

Chair:

**Matteo Valleriani**, Max Planck Institute for the History of Science

**154. Invisible Actors in Biomedical and Environmental Sciences (I) & (II)**

Organized Session

*9:15 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 2 - Cromdale Hall*

Participants:

**Collecting valuable data in colonies: methodological asymmetries in anti-plague vaccine evaluations between Japan's mainland and colonies at the beginning of the 20th century** *Shiori Nosaka, University of Strasbourg*

**"A dose of rhythm:" light, melatonin, and the molecularization of environmental influences in out-of-season breeding of livestock (1930s-1990s)** *Lucie Gerber, CNRS, SAGE, France*

**Between experiential knowledge and medical knowledge: the collaborative case of male contraception in France, late 1970s-1980s** *Maureen Morlet, SAGE*

**Mothering naturalists in eighteenth-century France** *Mathias Valverde, University of Strasbourg*

**Animal invisibility as a clue to emotional conflict in primate experimental science in the early twentieth century** *Marion Constance Thomas, University of Strasbourg*

**Canaries in the laboratory: silent voices of neuroscience** *Rachel Mundy, Rutgers University-Newark*

Session Organizers:

**Marion Constance Thomas**, University of Strasbourg

**Shiori Nosaka**, University of Strasbourg

Chairs:

**Déborah Sarah Dubald**, University of Strasbourg

**Tricia Close Koenig**, University of Strasbourg

**155. Science Diplomacy: Cooperation, Competition and Crisis 1**

Organized Session

*9:15 am to 10:45 am, Tuesday 14 July*

*EICC: Floor, Level 3 - Fintry Auditorium*

Participants:

**Reframing science and diplomacy in times of disruption** *Daniel Gamito-Marques, NOVA School of Science and Technology, Lisbon, Portugal; Lif Lund Jacobsen, Danish Arctic Institute*

**Science diplomacy at the dawn of global public health: the Conseil Sanitaire Maritime et Quarantenaire (CSMQ) in Alexandria** *Mauro Capocci, University of Pisa*

**The Birth of Scientific Pan-Americanism: The First Pan-American Scientific Congress of 1908-9** *Diego Hurtado-Torres, Universidad San Sebastián, Santiago, Chile.*

**Scientific Internationalism under National Agendas: The German Hindu Kush Expedition (1935) and the Politics of Crop Origins** *Johannes Mattes, German National Academy of Sciences Leopoldina*

Session Organizers:

**Daniel Gamito-Marques**, NOVA School of Science and Technology, Lisbon, Portugal

**Lif Lund Jacobsen**, Danish Arctic Institute

Chair:

**Alice Naisbitt**, University of Manchester

**156. Epidemiology Unbound 1**

Organized Session

*9:15 am to 10:45 am, Tuesday 14 July*

*EICC: Floor, Level 1 - Harris Suite 1*

Participants:

**Statistical Individuals** *Christopher J Phillips, Carnegie Mellon University*

**Not what nature gave us: Epistemic conflict and the afterlives of genetic epidemiology** *Carolina Mayes, University of Edinburgh*

Session Organizer:

**Lukas Engelmann**, University of Edinburgh

Chair:

**Andrew Mendelsohn**, Queen Mary University of London

### 157. Computer Sciences

Contributed Paper Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Infrastructure to Abstraction: How Computer Science became a Science of Planning** *Sam H Franz, University of Pennsylvania*

**Computing and the University: An Intellectual History of Computer Science and Motivation** *David Timothy Bates, Stanford University*

**"Transcendental Systems": Technocratic Expertise, Mystical Experience, and Systems Theory, 1950-1980** *Libby O'Neil, Mississippi State University*

**Rendering Science: Silicon Graphics and the Making of Visual Knowledge, 1981-2000** *Yongjoo Han, Seoul National University*

Chair:

**Patrick McCray**, University of California, Santa Barbara

### 158. Recovering the Histories of Women in Quantum Physics 1

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Feminism and societal expectations: Paul Ehrenfest, Tatiana Afanassjewa, and the limits of escaping an androcentric physics** *Margriet van der Heijden, Eindhoven University of Technology*

**The Work of a Great Physicist?**

**Heisenberg's Erasure of Women's Work in his History of Quantum Mechanics** *Elena Elena Schaa, University of Basel*

**Networks of Support, Collaboration, and Mentorship in Physics** *Michelle Franck*

Chair:

**Patrick Charbonneau**, Duke University

### 159. History of Quantum Optics 1

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**From Bose-Einstein statistics to photon statistics: the statistical style of scientific reasoning in the genesis of quantum optics** *Daniela Monaldi, York University, Canada*

**Leonard Mandel's journey to quantum light** *Gautier Depambour, Université Paris Cité*

**From curious hippies to quantum optics: Tackling Loopholes in Experimental Tests of Bell's Inequality** *David Kaiser, MIT*

**From Experimental Metaphysics to Quantum Technology: An investigator's account** *Gregg Jaeger, Harvard University*

Session Organizer:

**Gautier Depambour**, Université Paris Cité

Chair:

**Gautier Depambour**, Université Paris Cité

### 160. Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings I

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**From the Hand to the Eye: How the 'Skills' of Makers and Historians Can Alter the Functions of Planispheric Astrolabes** *Giorgio Strano, Museo Galileo: Institute and Museum of the History of Science, Florence*

**The Epistemic Lives of Ottoman Mathematical-Astronomical Instruments** *Gaye Danişan, Istanbul University, Department of the History of Science*

**Kangxi's Astronomical Realia: Revisiting Ferdinand Verbiest's Simplified Planar Instrument** 簡平儀 *Chen Ji, University of Science and Technology of China*

**The 'New Quadrant' and Its Reception: Visual and Material Approaches** *Josefina Rodriguez-Arribas, Universität Hamburg*

Session Organizers:

**Michael Korey**, Mathematisch-Physikalischer Salon (Staatliche Kunstsammlungen Dresden)

**Samuel Gessner**, Centro Interuniversitário de História das Ciências e da Tecnologia, University of Lisbon

Chair:

**Matthieu Husson**

**161. Ground Truth: From Local Data to Global Theories of the Earth**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**The Retreat of the Planet's Oceans, from Dante to Suess: from Everyday Observations to Concepts, the Circulation of Knowledge and the Creation of Fears** *Marianne Klemun, University of Vienna*

**The Physical Geosciences in the 19th Century: Global Sciences and their Contexts** *Gregory A Good, Retired*

**Discordant Measurements and Models of Concordance in Mid-Century Geochronology** *Nanina Foehr, LMU Munich*

Chair:

**Simon Naylor**, University of Glasgow

**162. Infrastructure of Empire and Knowledge in the Nineteenth and Twentieth Century Middle East**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**Desert Dwellers and the Infrastructure of Imperial Knowledge in Nineteenth Century Sinai and Palestine** *Sahar Mor Bostock, Yale University*

**Eugenic Infrastructure in Colonial Egypt:**

**The Twilight of Euthenasia, Sterilization and Treatment** *Karim Malak, Wagner College*

**Policing, Fingerprinting, and Infrastructures of Statecraft in Palestine/Israel, 1920-1948** *Michelle Spektor*

Chair:

**Karim Malak**, Wagner College

**163. Peripheries of Power: The Political Economy of Technological Transfer in Late Cold War Europe**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Joining the Signal map: The History and Implications of the Manufactured Infrastructure for Satellite TV Reception in Romania** *Alexandra Tatar, Academy of Fine Arts, Vienna*

**Epistemic Borders: How Computing Practices Shaped Plural Technological Worlds in Germany** *Regina Seiwald, University of Birmingham*

**US Gold and Emerald Software: Logistical, Technical and Cross-Cultural Media Transfers from the UK and Ireland's Collaborative Game Industry (1988-1990).** *Kieran Nolan, Dundalk Institute of Technology*

Chair:

**Alex Christopher Wade**, Birmingham City University

**164. Contested Anatomy**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 1 - Lowther

Participants:

**Burke and Hare – the legacy lives on Janet Philp**, *University of Edinburgh*

**The Other Anatomy Murders Tacye Phillipson**, *National Museums Scotland*

**Dissecting the 1832 Anatomy Act Cat Irving**, *Surgeons Hall*

**Where will the bodies come from? Sophie Goggins**, *National Museums Scotland*

Session Organizer:  
**Sophie Goggins**, National Museums Scotland

Chair:  
**Samual J.M.M. Alberti**, National Museums Scotland

### 165. Histories of Biogeography Part 1

Organized Session  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 1 - Menteith

Participants:

**The Speaking Ape: Biogeography, Language and the 19th Century Search for the Cradle of Man** *Emily Kern, University of Chicago*

**Co-Producing Science: Local Knowledge and the Amazonian Expeditions of Bates & Wallace** *Anderson Antunes, University of Évora*

**“Sense and Suitability: Delimiting ‘Temperate’ in Clime and Place”** *Brooke Penaloza-Patzak, University of Vienna*

**“Apples versus Oranges: Debating the Effects of the Ice Age in Civil War America”** *Caroline Winterer, Stanford University*

Chair:  
**Lisa Onaga**, Max Planck Institute for the History of Science

### 166. Histories of Chemistry

Contributed Paper Session  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 2 - Moffat

Participants:

**Extraction in Revolution: Mining, Metallurgy and Chemistry in the French Revolutionary Wars** *Armel Cornu, Uppsala University*

**From Individual Elements to Common Properties** *Charlotte Abney Salomon, Science History Institute*

**Machines, Workers, and Automation in Medical Testing Laboratories, 1920-1960** *Elizabeth Neswald, Brock University*

**“A Shortcut That Can Drive You Mad”:**  
**Density Functional Theory in Computational Chemistry in the 1990s**

*Stylianos Kampouridis, National and Kapodistrian University of Athens*

Chair:  
**Michelle DiMeo**, Science History Institute

### 167. Beyond 'Botany': Plant Knowledges across South Asia

Organized Session  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Earthly Rural: Colonial State-Making and ‘Opacity’ of Nature-Culture Worlds in the Rainiest Place on Earth** *Aparajita Majumdar, Brown University*

**Waters of the Earth: Indo-Persian Agronomy in Early 20th century Afghanistan** *Marjan Wardaki*

Session Organizer:  
**Marjan Wardaki**

Chair:  
**Duygu Yildirim**, University of Tennessee, Knoxville

### 168. Minds over Matter 1

Contributed Paper Session  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**“Phrenology is their Biography”:** **Users, Mortality, and the Contestation of Memory** *Carla Bittel, Loyola Marymount University*

**Competing Narratives: Institutionalizing the Psy-Sciences in Nineteenth-Century Hungary** *Janka Kovács, Eötvös Loránd University*

**From Novels to Education: A Personality Theory Circulating through the Netherlands** *Rinske Roos Vermeij, University of Groningen*

Chair:  
**Courtney Thompson**

### 169. Science Publishing Across Time

Contributed Paper Session  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**A Rhetorical Distribution of Errors in the Philosophical Transactions 1780-1820**

*Robert Fyke, SUNY Farmingdale*

**Science in Translation: Periodicals, Text Reuse, and Local Agency in Brazil, 1808–40**

*David Francisco de Moura Penteado, University of São Paulo*

Chair:

**Robert Fyke**, SUNY Farmingdale

**170. Reconsidering Spontaneous Generation**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**As in the Earth, So in the Womb: Astral Powers, Virginal Conceptions, and the Spontaneous Generation of Humans** *Ivano Dal Prete, Yale University*

**Intestinal Worms and Caterpillars: The Precarious Equilibrium of Spontaneous Generation** *Javier Patiño Loira, University of California, Los Angeles*

**The “Spontaneous” Cultivation of Mushrooms in the 18th century** *Barbara Di Gennaro, University of Bologna*

Session Organizer:

**Barbara Di Gennaro**, University of Bologna

Chair:

**Monica Azzolini**, University of Bologna

**171. The Impact of the Digital Revolution on the History of Science and its Social Implications-1**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Pentland Auditorium

Participants:

**The Digital Revolution: An Introduction with Two Case Studies** *Erwin Neuenschwander, Institute of Mathematics University of Zurich*

**Biographies and prosopography in the history of science: the Biographical Archive of Italian Scientific Culture** *Federico Silvestri, ILIESI-CNR*

**Mathematica Italiana: A Digital Platform for the History of Mathematics in Italy** *Maria Teresa Borgato, University of Ferrara; Luigi Pepe, University of Ferrara*

Session Organizer:

**Erwin Neuenschwander**, Institute of Mathematics University of Zurich

Chair:

**Robert Iliffe**

**172. Early Modern Intersections of Knowledge**

Organized Session

9:15 am to 10:45 am, Tuesday 14 July

EICC: Floor, Level 1 - Platform 5

Participants:

**Redefining the Natural in Early Modern New Spain** *Marlis Hinckley, University of Notre Dame*

**The Capomaestro at Work: Profiling a Sixteenth-Century Tuscan River Technician** *Caroline Elizabeth Murphy, Massachusetts Institute of Technology*

**Galileo Among the Physicians: Intersecting Anatomy and Mathematics around 1600** *Nuno Castel-Branco, All Souls College, University of Oxford*

**Polishing the Lens at Last: New Evidence on Galileo’s Telescope Construction from Ignacio Muñoz, O.P. (c. 1608/1612–1686)** *José María Moreno Madrid, University of Limerick*

Session Organizer:

**Nuno Castel-Branco**, All Souls College, University of Oxford

Chair:

**Claire Conklin Sabel**, University of Vienna

**173. Museums and the Global History of Science**

Contributed Paper Session

9:15 am to 10:45 am, Tuesday 14 July

National Museum of Scotland: Seminar Room

Participants:

**Geology as Political Narrative: Soviet Museums and the Making of Scientific Authority** *katarzyna jarosz*

**Defining the Korean History of Science at the Science Museum: Critical Reflections on the Historical Narratives** *Yeonsil Kang, National Science Museum of Korea*

**Beyond the Myth of the Machine: The Re-integration of Traditional Ecological**

**Knowledge into the Preventive Conservation of Chinese Museum Collections** *Wenzhe Zhang, Tsinghua University*

Chair:  
**Aimee Slaughter**

**174. GECC Diversity Roundtable: Race in the Academy**

Roundtable  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizer:  
**Ngamlienlal Kipgen**

Chair:  
**Mary Kate Wolken**, University of Minnesota

Participants:  
**Evelynn Hammonds**, Harvard University  
**Rana Asali Hogarth**, University of Pennsylvania  
**Jonathan Saha**, Durham University  
**Gabriela Soto Laveaga**, Harvard University

**175. The Double Life of Sex: Queer and Feminist Interventions into the History of Biology**

Organized Session  
9:15 am to 10:45 am, Tuesday 14 July  
EICC: Floor, Level 0 - Tinto Suite

Participants:  
**Uncovering the Hetero in Heterosis: Eugenics, Mendelism, and the Structural Valuation of Difference** *Yingchen Kwok, University of Pennsylvania*

**Queer Genealogies of Cross-sexual Transfer** *Ross Brooks, Oxford Brookes University*

**Migratory Desires: Ecological Imperatives and the Plasticity of Sex** *Banu Subramaniam, Wellesley College*

Session Organizer:  
**Yingchen Kwok**, University of Pennsylvania

Chair:  
**Rachel Mason Dentinger**, University of Utah

**176. Animal Networks. Zoos in the Peripheries 2**

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July  
Edinburgh Futures Institute: 1.40

Participants:

**Decline and Emulation: Parisian Zoos and the Shifting Geography of Zoological Modernity** *Claire Cage, University of South Alabama*

**Imperial Edges: Private Menageries and Animal Circulations at Pilawin Park (1901–1918)** *Marianna Szczygielska, Max Planck institute for the History of Science*

**Contested identities, human-animal relations, and the role of non-European handlers in nineteenth century zookeeping practices** *Daniel Phillips, Zoological Society of London*

**Travelling Animals, Travelling Ideas: The Hagenbeck Circus and the Remaking of Zoo Space in 1930s Japan** *Ayako Sakurai, Senshu University*

Session Organizer:  
**Marianna Szczygielska**, Max Planck institute for the History of Science

Chair:  
**Oliver Hochadel**, IMF-CSIC, Barcelona

**177. Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 2**

Organized Session  
11:00 am to 12:30 pm, Tuesday 14 July  
Edinburgh Futures Institute: 1.50

Participants:

**Racializing Access to Bread: Grain Policy and Free People of Color in 1760s Saint-Domingue** *Camille Cordier, Université Lyon 2*

**“Population is Everything”: Overcoming the Scarcity of People and the Sciences of Producing “Better Races” in Eighteenth Century Brazil** *Patrícia Martins Marcos, University of Oklahoma*

Session Organizer:  
**Lavinia Maddaluno**, Institut d'Études Avancées, Paris; University of Ca' Foscari in Venice (Italy)

Chair:  
**Sebastian Felten**, Universität Wien, Institut für Geschichte

### 178. Early Modern Medicine 2

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.52

Participants:

**How Did People Seek a Cure in**

**16th-Century New Spain?** *Andy Lemoine Landa, Universidad Nacional Autónoma de México*

**Beyond a Panacea: Contesting Potable**

**Gold in the Early 18th-Century** *elliott mertz, Johns Hopkins University*

Chair:

**Carmen Schmechel**, Koninklijke Nederlandse Akademie van Wetenschappen

### 179. Shifting Perspectives in Historiography of Science under the Fascist Rule 2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.55

Participants:

**Fabio Conforto's historiographic celebration of the Italian School of Algebraic Geometry** *Maria Giulia Lugaresi, University of Ferrara*

**The construction of an icon: Roberto Marcolongo's contribution on Leonardo da Vinci** *nicla palladino, Università del Molise*

**Severi, Bompiani and the myth-making in mathematics** *Erika Luciano*

Session Organizers:

**Maria Giulia Lugaresi**, University of Ferrara  
**Erika Luciano**

Chair:

**Daniele Cozzoli**

Commentator:

**Daniele Cozzoli**

### 180. Beyond Universalisms and Flat Pluralisms: East Asia as Method for the Global History of Science

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.60

Participants:

**"Shatter the Mandala!"—the 1985 Tsukuba**

**Science Expo and the Spectacle of**

**Pluralist Dystopia** *Yasuhiro Okazawa, Institute for Research in Humanities, Kyoto University*

**Adopting An Epistemic Challenge from the**

**Periphery: The Rise and Fall of North Korea's "Bonghan Theory" in 1960s–1970s Japan** *Jaehwan Hyun, Hanyang University*

**When Takeuchi Yoshimi Meets Michel**

**Foucault: Shōkei Yakuriron, Doctrine of Signatures, and the Bifurcated 'Practice Turn' of Early Modern Europe** *Xinyi Wen, Warburg Institute*

**Constructing and Contesting the**

**Science-Civilization Nexus in Late Qing China Tianyan Lun (On Heavenly Evolution) and the Debate on the Primacy of Technology over Science** *Sean Hsiang-lin Lei, Academia Sinica Taiwan*

Session Organizer:

**Hansun Hsiung**, Durham University

Chair:

**Jung Lee**, Ewha Womans University

### 181. What is the History of Science? Part 2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

Edinburgh Futures Institute: 2.20

Participants:

**What Do Ten Thousand Dissertations Say about the Discipline?** *Alex S. Ratowt, University of North Georgia; Stephen P Weldon, University of Oklahoma*

**What Was History of Science in Britain after 1959?** *Frank AJL James, University College London*

**Where Are We Now? Early-Career Insights into the History of Science** *Sarah Qidwai, University of York*

Session Organizer:

**Stephen P Weldon**, University of Oklahoma

Chair:

**Paul Vieth**, University of Oklahoma

### 182. Scientific Authority and Sacred Domains in the 19th-Century Mediterranean

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July  
Edinburgh Futures Institute: 2.35

Participants:

**Maternal Bodies, Moral Theology, and the Medical Defense of Therapeutic Abortion in 19th-Century Catholic Europe.** *Jennifer Kosmin, Auburn University*

**Death in the Air: Ottoman Medico-Religious Debates Around Burial Practices** *Christin Zurbach, Cedars Sinai - Huntington Library*

**The Eucalypti, the Friars and the Nation: How the Catholic Church Aided Reclaiming Land for the Secular Italian Nation State.** *Giulia Amoresano, Auburn University*

Session Organizer:

**Jennifer Kosmin**, Auburn University

Chair:

**Jennifer Kosmin**, Auburn University

### 183. Legitimizing Agricultural Risk: Science, Bodies and Knowledge Across Global Farming

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July  
Edinburgh Futures Institute: 3.35

Participants:

**Living with Depletion: Whiteness, Masculinity, and the Making of a Visual Politics of Groundwater** *Sam Hege, Max Planck Institute for the History of Science*

**Risk Beyond the Model: Multiscale Stories of Agrobiodiversity Loss in the Andes** *Alejandra Osorio Tarazona, Humboldt-Universität zu Berlin*

**Legitimation of Pesticide Use Through Agro-Adverts on Radio and Television in Kenya** *James Maina Wachira, Tharaka University*

**When Bodies Remember What Documents Forget: Agricultural Risk and Epistemic Erasure in El Ejido** *Silvia Pérez-Criado, Max Planck Institute for the History of Science*

Session Organizer:

**Silvia Pérez-Criado**, Max Planck Institute for the History of Science

Chair:

**Sam Hege**, Max Planck Institute for the History of Science

### 184. Histories and Historiographies of the Human Sciences in the Americas during the Long 1970s

Roundtable

11:00 am to 12:30 pm, Tuesday 14 July  
National Museum of Scotland: Auditorium

Session Organizer:

**Robert Hancock**, University of Victoria

Chair:

**Robert Hancock**, University of Victoria

Participants:

**Sebastián Gil-Riaño**, University of Pennsylvania

**Robert Hancock**, University of Victoria  
**Adrianna Link**, American Philosophical Society

**Joanna Radin**, Yale

### 185. Contested Theories of Body and Mind

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July  
EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Therapeutic Benefits of Consuming Clay, Between Arab-Islamic Medical Heritage and Modern Scientific Research** *khallaf El Ghalbi, Moulay Ismail University*

**Local Actors and Global Sciences: Contextualizing the Making of Modern Mind Sciences in Late-Colonial India** *Pradipto Roy*

**Translating Madness: The John G. Kerr Refuge for the Insane and the Co-production of Psychiatric Knowledge in Late Qing Canton** *Yanan Liu, Sun Yat-sen University*

Chair:

**Alicia Puglionesi**, Johns Hopkins University

### 186. Popularisation and the 19th Century History of British Science

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July  
EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**Popular Science Goes Global: The Society for the Diffusion of Useful Knowledge and**

**the Transnational Project of the Future**

*Jonathan Topham, University of Leeds*

**Nineteenth-Century Geology Caricatures:**

**Public Reception of Geology in Society**

*Alison Clark, University of Aberdeen*

**Serving Two Publics? Prestige,**

**Popularisation, and the Problem of**

**Audience(s) at the Royal Institution**

*Katy Duncan, Royal Institution*

**Warrington Academy and the Diffusion of**

**Useful Knowledge in the Industrial**

**Revolution**

*Shuai Guo*

Chair:

**Eoin Carter**, Independent Scholar

### 187. New Histories of Nuclear Science

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**A Future That Never Exploded: Nuclear**

**Infrastructure, Grassroots Knowledge,**

**and Colonial Technopolitics in Hong**

**Kong's Daya Bay Controversy**

*Junfeng Xu, Peking University*

**Nuclear Secrecy and Radiation Safety at the**

**Metallurgical Laboratory, 1942-1946**

*Joyce Zhao, University of Chicago*

**Atoms, Entomologists and Internationalism**

**in the Development Decade**

*Thomas Rath, UCL*

Chair:

**David Hecht**, Bowdoin College

### 188. GRAPHICS AND TEXT TWENTY YEAR

**LATER-2: Diagrams, Figures, Plans And**

**Graffiti In Translation**

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, -1 - Conference Organisers Room

Participants:

**Horoscopic Diagrams in China: From the**

**Eighth to the Seventeenth Centuries**

*Jeffrey Kotyk, Max Planck Institute for the*

*History of Science*

**Geometrical diagrams in traditional Chinese**

**and Japanese mathematics**

*Alexei Volkov*

**Beyond China: Visual Elements in**

**Sino-European dictionaries (17th-18th**

**centuries).**

*Michela Bussotti, EFEO Ecole*

*française d'Extrême-Orient / UMR CCJ*

Session Organizer:

**Karine C. C. Chemla**, University of Edinburgh

and SPHERE, CNRS-UPC

Chair:

**Karine C. C. Chemla**, University of Edinburgh

and SPHERE, CNRS-UPC

Commentator:

**Michael Lackner**, FAU Erlangen-Nürnberg

### 189. Science Diplomacy: Cooperation, Competition and Crisis 2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**Southern Skies, Global Rivalries: Chile, the**

**IGY, and Science Diplomacy in the Cold**

**War**

*Barbara Kirsi Silva, Universidad Catolica*

*de Chile*

**A decade of health détente. WHO influenza**

**surveillance as a terrain of Cold War**

**between the late 1960s and the late 1970s.**

*Giacomo Simoncelli, Sapienza University of*

*Rome*

**International Conflicts and Technoscientific**

**Diplomacy: The Role of the US, the Food**

**and Agriculture Organization and the**

**Inter-American Development Bank in**

**Argentine Fisheries Research (1974–1982)**

*Ezequiel Sosiuk, CCTS-Maimónides*

**Science Diplomacy and the United Nations:**

**Governing Knowledge through Crisis and**

**Contestation**

*Julia Battistuzzi Penachioni,*

*Institute for Advanced Studies (IEA-USP)*

*University of São Paulo*

Session Organizer:

**Alice Naisbitt**, University of Manchester

Chair:

**Matthew Adamson**, McDaniel College,

Budapest

### 190. Epidemiology Unbound 2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Toward Evidence-Based Artificial Intelligence in Medicine: Lessons from Epidemiology and EBM** *Nicolas Brault, UniLaSalle Polytechnic Institute*

**From Risk to Relational Complexity: Network-Based Prevention in Latin America** *Theo Di Castri, University of Cambridge*

**Probabilistic Record Linkage: From Radiation Epidemiology to Big Data** *Aaron Sidney Wright, Dalhousie University*

Session Organizer:

**Lukas Engelmann**, University of Edinburgh

Chair:

**Carolina Mayes**, University of Edinburgh

### 191. New Perspective on the Histories of Mathematics

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**American Math Teaching Methods in China (1900–1950): A Case Study of Thorndike, Schultze, Pólya** *Chen, Miao, Inner Mongolia Normal University; Zhang Xiaoxue, Inner Mongolia Normal University; Dai Qin, Inner Mongolia Normal University*

**Statistics under Scarcity: Jerzy Neyman and the Design of Hypothesis Testing, 1923-1933** *Iris Wu, UC Berkeley*

**Gerrit Mannoury (1867-1956) on the Political Significance of Mathematical Thought** *Ties van Gemert, Tilburg University*

**The Multiple Histories of British Female Mathematicians in the Eighteenth and Nineteenth Centuries** *Elinor Flavell, The Open University*

Chair:

**Andrew Fiss**, Michigan Technological University

### 192. Recovering the Histories of Women in Quantum Physics 2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Erika Cremer (1900-1996): From fundamental contributions to quantum physics to gas chromatography** *Bretislav Friedrich, Fritz-Haber-Institut der Max-Planck-Gesellschaft*

**From Quantum Logic to Fuzzy Theory: Paulette Destouches-Février (1914-2013)** *Andrea Reichenberger, Technical University of Munich*

Chair:

**Patrick Charbonneau**, Duke University

Commentators:

**Elena Elena Schaa**, University of Basel

**Margriet van der Heijden**, Eindhoven University of Technology

### 193. History of Quantum Optics 2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Military-Industrial Entanglement: Quantum Optics and the History of Spontaneous Parametric Down-Conversion** *Benjamin Wilson, Harvard University*

**Entangled Histories: Nonlinearity, Lasers, and Quantum Optics in the Soviet Union** *Alexei Kojevnikov, University of British Columbia*

**The Origins and Development of Quantum Optics in China** *Yannan Zhu, University of Science and Technology of China*

Session Organizer:

**Gautier Depambour**, Université Paris Cité

Chair:

**Gautier Depambour**, Université Paris Cité

### 194. Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings II

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**A Step in the Right Direction? Debates over Simplifying Calculations on the Celestial Sphere with the Directorium (ca. 1330)**

*Nicholas A. Jacobson, University of Chicago*

**Theoretical Success, Practical Superfluity: The Trajectory of Mercury's Epicyclic Center in al-Kāshī's Equatorium** *Hamid Bohloul, Postdoctoral Fellow, ASTRA Research Group, Max Planck Institute for the History of Science (MPIWG), Berlin, Germany*

**Intractable? Poleni, Mathematical Instruments, and the Circulation of the Tractrix**  *Davide Crippa, Institute of Philosophy, Czech Academy of Sciences; Pietro Milici, University of Messina*

**Analog Sines and Signs of Analogy – Some Clever Instrumental Ways to Lessen Trigonometric Ardor** *Samuel Gessner, Centro Interuniversitário de História das Ciências e da Tecnologia, University of Lisbon; Michael Korey, Mathematisch-Physikalischer Salon (Staatliche Kunstsammlungen Dresden)*

Session Organizers:

**Michael Korey**, Mathematisch-Physikalischer Salon (Staatliche Kunstsammlungen Dresden)  
**Samuel Gessner**, Centro Interuniversitário de História das Ciências e da Tecnologia, University of Lisbon

Chair:

**Stefan Zieme**, Humboldt University Berlin

**195. The Politics, Epistemology and Ethics of Medical Evidence, ca. 1960–ca. 2000**

Organized Session

*11:00 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 2 - Lennox 1*

Participants:

**Intentional harm in human experiments on phloroglucinol, Paris (1960–1961)** *Juliette Ferry-Danini, Université de Namur*

**Evidence and consensus: Healthcare systems, clinical data and the reception of the antenatal steroid trial, 1969 to 1993**

*Tatjana Buklijas, University of Auckland*

**Evaluating 'Socialist' Cancer Drugs: The Case of the Clinical Trials within the COMECON's Oncology Program** *Nils Graber, Humboldt University*

**Defying the logic of the randomised controlled trial: Evidential disparity of**

**treatment strategies for congenital toxoplasmosis in a (proto-)EBM-world, 1960s–1990s** *Hanna Lucia Worliczek, University of Vienna, Faculty center for transdisciplinary historical-cultural studies*

Session Organizer:

**Tatjana Buklijas**, University of Auckland

Chair:

**Thomas Schlich**, McGill University

**196. Ex Oriente & In Orientem Scientia: Entangled Knowledge through the Early Modern Indian, Atlantic and Pacific Oceans**

Organized Session

*11:00 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 2 - Lennox 2*

Participants:

**Transoceanic Itineraries of Knowledge on Distillation and Medical Use of Essential Oils** *Angela Schottenhammer, Katholieke Universiteit Leuven*

**Evidence of Long-term Medical Knowledge Reconfiguration: Antonio de Barros's Y Haoc (1756) Medical Manuscript** *Fabiano Bracht, University of São Paulo*

**The mariner's compass in Iberian and Indian Ocean navigation practices: An early comparative history on the magnetic declination.** *Inês Bénard, University of Lisbon*

**Rutters of the Sun and Rutters of the Moon: Indian and Atlantic Ocean Nautical Principles** *Juan Acevedo, University of Lisbon*

Chairs:

**Fabiano Bracht**, University of São Paulo

**Juan Acevedo**, University of Lisbon

**197. Wires Across Borders: Transnational Perspectives on Electrical Histories**

Organized Session

*11:00 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 2 - Lennox 3*

Participants:

**Domestic energy usage in trans-national context: a global reading of the women's magazine The Electrical Age (1924-1986)** *Graeme Gooday, University of Leeds*

**Epistemic Images: Instagram as a Source for Maintenance Knowledge** *Anto Mohsin, Northwestern University in Qatar*

**Chile's electrified energy policy (1935 to 2024)** *Cecilia Ibarra, Universidad de Chile*

**A Jesuit Engineer in a Wired World: Faith, Electricity, and the Transnational Making of Spanish Power, 1910s–1920s** *Daniel Pérez-Zapico, Autonomous University of Madrid*

**Early electrification of Chile: between transnational interests and sociotechnical imaginaries (1879 - 1896)** *José Soto Vejar, King's College London*

**Transnational Outages: Power, Blame, and Everyday Politics in the Pacific Northwest and Ghana** *Veronica Jacome, Temple University*

Session Organizers:

**Anto Mohsin**, Northwestern University in Qatar  
**Graeme Gooday**, University of Leeds  
**Cecilia Ibarra**, Universidad de Chile  
**Daniel Pérez-Zapico**, Autonomous University of Madrid

Chair:

**Anto Mohsin**, Northwestern University in Qatar

**198. "Facing" the Past: Race, Craniometry, and the Afterlives of Human Skulls**

Organized Session

*11:00 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 1 - Lowther*

Participants:

**Educating the Heads: Biological Determinism, Reform, and Race in Ottoman Cranial Sciences** *Baek Kyong Jo, University of Toronto, Canada*

**Reconstructing Dante's Race: Fabio Frassetto and the International Committee for Anthropological Standardization** *Francesco Cassata, University of Genoa, Italy*

**Racial Typologies and Twentieth-Century Statistics** *Iris Clever, University of Chicago*

**Facing Racial Science: Reflections on the Khoekhoe Woman in Petrus Camper's Facial Angle** *Paul Wolff Mitchell, University of Leiden*

**The Persistence of Race in Forensic**

**Craniofacial Depiction Practices** *Lisette Jong, University of Amsterdam*

Session Organizer:

**Francesco Cassata**, University of Genoa, Italy

Chair:

**Elise K Burton**, University of Toronto

**199. Histories of Biogeography Part 2**

Organized Session

*11:00 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 1 - Menteith*

Participants:

**"Centres of Dispersal & Mobile Biogeographies in the First Half of the Twentieth Century"** *Chris Manias, King's College London*

**"An Air Conditioner or a Sink?: The Bioclimatic Value of Rainforests, 1970 to 2000"** *Oliver Lucier, Yale University*

Session Organizer:

**Brooke Penaloza-Patzak**, University of Vienna

Chair:

**Janet Browne**, Harvard

**200. Better Living through Chemistry**

Contributed Paper Session

*11:00 am to 12:30 pm, Tuesday 14 July*

*EICC: Floor, Level 2 - Moffat*

Participants:

**The 19th-Century Italian Perfumery Status: Which Identity between Pharmacy, Medicine, Chemistry and Cosmetics?** *Charlotte Gaudry, Université Grenoble Alpes*

**Regulating in the Dark: Public Chemical Control and the First Generation of Synthetic Pesticides** *Jørgen Burchardt, Middelfart Museum*

**Between Fear and Opportunity: Local Makers, the Corporate Laboratory, and Knowledge Exchanges in the South Korean Cosmetic Industry** *Byeongwoong Min, Seoul National University*

**Quickening Morpheus: Tracing the Disappearance of the Opiate Stimulus Effect (1850-1916)** *Matthew Perkins-McVey, Technion*

Chair:

**Frederick R. Davis**, Purdue University

**201. Plant Transfers Beyond Botany: Histories of Human-mediated Long-distance Dispersals to and from Latin America**

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Seeds of Reform: Plant Transfer, Ecological Change, and Environmental Governance in Late Colonial Chile**

*Natalia Gandara, Pontifical Catholic University of Valparaíso (Chile); John Carter Brown Library (USA).*

**A Captain's Box: Moving Seeds of *Araucaria araucana*, from Chile to the UK, c.1827**

*Camila Medina Novoa, ETH Zürich*

**A Botanical Escapee from Peru: the Spread of *Galinsoga parviflora* and Associated Narratives in Partitioned Poland**

*Aleksandra Kaye, The Max Planck Institute of Geoanthropology*

**An Australian Tree in the Tropical Andes: *Eucalyptus globulus* and the Global Circulation of Urban Nature**

*Diego Molina, Royal Holloway, University of London*

Session Organizer:

**Aleksandra Kaye**, The Max Planck Institute of Geoanthropology

Chair:

**Mika Hyman**, University of Cambridge

**202. Minds over Matter 2**

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Negotiating Human Uniqueness: Imitation and the Boundaries Between Humans and Other Animals**

*Silvia Caianiello, Istituto per la storia del pensiero filosofico e scientifico moderno, Consiglio Nazionale delle Ricerche*

**Generalizing the Squid Giant Axon: Ion Channels, Comparative Physiology, and the Histories of the Neurosciences (1950s-1970s)**

*Kathryn Grace Maxson Jones, Purdue University*

**Brainwaves on Air: W. Grey Walter's Cybernetics and the Eugenic Origins of the Burden Neurological Institute**

*Joshua*

*Baldelomar, University of California, Santa Barbara*

Chair:

**Delia Gavrus**, University of Winnipeg

**203. The Language of Science**

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Maria Gaetana Agnesi as a Linguistic Agent: Shifting the Language of Science in Enlightenment Italy** *Maria Laura Pierucci, University of Macerata (Italy)*

**Translation as Changing Perspective in Scholarly Mediation: The Four Anglophone Renditions of Sacrobosco's *De Sphaera*** *James Brannon, Independent Scholar*

**What's in a Label?: Experimental Politics, Educated Publics, and the "Science Question" in Primate Language Studies** *Max Fennell-Chametzky, Stanford University*

Chair:

**Maria Pia Donato**, CNRS/IHMC, Paris

**204. Through Archival and Material Sources: New Perspectives in the History of Physics (19th–20th Centuries)**

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**A new perspective on Hamilton's theory of quaternions** *Alessandro Amabile, University of Naples Federico II*

**Guido Horn d'Arturo and the Technological Roots of Modern Astrophysics** *Elisabetta Rossi, University of Bologna and SISFA (Italian Society for the History of Physics and Astronomy)*

**Bruno Rossi and the chambers of secrets: evolution of cosmic-ray techniques in the interwar period** *Luca Campagnoni, University of Padua*

**Reshaping the Past: Enrico Fermi's 1934 Experiments between History and Immersion** *Domenica Verduci, Enrico Fermi*

*Historical Museum of Physics and Centre for Study and Research and University of Bologna*

Session Organizer:

**Elisabetta Rossi**, University of Bologna and SISFA (Italian Society for the History of Physics and Astronomy)

Chair:

**Adele La Rana**, Sapienza University of Rome

## 205. The Impact of the Digital Revolution on the History of Science and its Social Implications-2

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Pentland Auditorium

Participants:

**Natural Sciences and Electronic**

**Enlightenment: Addressing the Digital Divide in Archives** *Nicole Barbara Pohl, Bodleian Libraries, University of Oxford*

**Extrapolating Hidden Histories of Reading: The Books and Borrowing, 1750-1830**

**Database** *Katie Halsey, University of Stirling; Matthew Sangster, University of Glasgow*

**Bridging Botany – The Edition of Haller’s Swiss flora on République des Lettres as a Cross-Disciplinary Resource** *Lukas Heinzmann, University of Bern*

**Using LLMs and AI to visualise the voices and shifts in the History of Thought: From Scholasticism to Empiricism to AI and Singularity** *Gerold Schneider, University of Zurich*

Session Organizer:

**Erwin Neuenschwander**, Institute of Mathematics University of Zurich

Chair:

**Erwin Neuenschwander**, Institute of Mathematics University of Zurich

## 206. Contested Fishscapes: Fisheries, Science, and Development in the Twentieth Century

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 1 - Platform 5

Participants:

**Time and Temperature and Salt: Caribbean**

**Codscapes in Three Acts** *L. Sasha Gora, University of Augsburg*

**Charting the Currents of Knowledge, Technology, and Regulation in British Colonial Fisheries Development** *David Wilson, University of Strathclyde*

Chair:

**Elizabeth Banks**, University of Edinburgh

## 207. Museums of "Modern" Science

Contributed Paper Session

11:00 am to 12:30 pm, Tuesday 14 July

National Museum of Scotland: Seminar Room

Participants:

**The Construction of Historical Landscapes of Science and Technology in Science-related Museums: A Transformation from "Knowledge Space" to "Symbiotic Perspectives"** *Zhengshan Jiao*

**From Display to Dialogue: How Engagement Reconfigures Scientific Interpretation in Museums** *Nanna Kaalund, University of Copenhagen*

**Cemented Narratives: The Catalan Cement Museum, its Exhibitory Regime and its History** *Roger Fernández-Tudela, Institut d'Història de la Ciència - Universitat Autònoma de Barcelona*

Chair:

**Toner Marie Stevenson**, The University of Sydney

## 208. On the Fringe? Constructing and Contesting Boundaries of "Science" in Modern China

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Participants:

**Rendering the Invisible Qi: Xianzhen, Projective Methods, and Hybrid Craft in the Late Qing Inner Court** *Zhaoyi Ma, Nanyang Technological University*

**Weather Knowledge between Science and Superstition in Pre-World War II China** *Xinyue Zhang, Yale University*

**Good Medicine, Bad Medicine, Weird**

**Medicine: Fighting Shaman Healing with Cooperation between Western and Chinese Medicine** *Yaming You, Duke University*

Session Organizer:

**Yaming You**, Duke University

Chair:

**Bernard Lightman**, York University

**209. Beyond Binaries in LGBTQI+ Histories of Sexology: Bi, Trans, Intersex**

Organized Session

11:00 am to 12:30 pm, Tuesday 14 July

EICC: Floor, Level 0 - Tinto Suite

Participants:

**The Conceptual Confusion of Bisexuality in American Sex Science, c.1924–1953** *Robin Franklin, Princeton University*

**The Substances of Sex/ology in Egypt and Algeria** *Beshouy Botros, Yale University*

**Who Counts as Intersex? Definitional Debates and Intersex Numbers in American Intersex Sexology and Activism** *Matthew Marciello, George Washington University*

Session Organizer:

**Matthew Marciello**, George Washington University

Chair:

**Beans Velocci**, University of Pennsylvania

**210. Royal Society/Notes and Records**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, -1 - Conference Organisers Room

Chair:

**Anita Guerrini**, Oregon State University, and University of California Santa Barbara

**211. Forum for the History of Mathematical Sciences Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Harris Suite 2

Chair:

**Andrew Fiss**, Michigan Technological University

**212. Pacific Circle Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 1

Chair:

**Anthony D. Medrano**, Brown University

**213. Forum for History of Human Science Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 2

Chair:

**Ayah Nuriddin**, Yale University

**214. Publishing in History of Science: A Dialogue between Editors, Publishers, Readers, and Authors**

Sponsored Roundtable

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Lowther

Chair:

**Daniele Cozzoli**

Commentators:

**Elise K Burton**, University of Toronto

**Adam Mosley**, Swansea University

**Projit Bihari Mukharji**, Ashoka University

**Doubravka Olsakova**, Charles University, CZ

**Amanda Rees**, University of York, UK

**215. Forum for the History of Science and Knowledge in Latin America Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Menteith

Chair:

**Sebastián Gil-Riaño**, University of Pennsylvania

**216. MPIWG Networking Lunch**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Platform 5

Chairs:

**Etienne Benson**, Max Planck Institute for the History of Science

**Dagmar Schaefer**, MPIWG

**217. British Society for the History of Science  
EGM**

Business Meeting

1:00 pm to 2:00 pm, Tuesday 14 July

National Museum of Scotland: Seminar Room

Chair:

**Rebekah Higitt**, National Museums Scotland

**218. GECC Listening Session**

Roundtable

1:00 pm to 2:00 pm, Tuesday 14 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizer:

**Mary Kate Wolken**, University of Minnesota

Participants:

**Dalena Ngo**, Yale University

**Mary Kate Wolken**, University of Minnesota

**219. Animal Networks. Zoos in the Peripheries  
3**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.40

Participants:

**The 'Diplomatic' Okapi. A journey from Epulu to the Lisbon Zoo** *Catarina Santos, CIUHCT, Universidade Nova de Lisboa*

**Colonial, Capitalist, and Communist Creatures: International Networks and Animal Acquisition in Korea's Modern Zoos** *Joseph Seeley, University of Virginia; Aaron Skabelund, Brigham Young University*

**"Most Excitingly Modern and Revolutionary": A British Zoo Professional's Tour of Chinese Zoos in 1965 and the Global Flow of Zoo Knowledge** *Yutong Li, University of Cambridge*

Session Organizer:

**Oliver Hochadel**, IMF-CSIC, Barcelona

Chair:

**Marianna Szczygielska**, Max Planck institute for the History of Science

**220. Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 3**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.50

Participants:

**Devouring Beasts: Predators, Pastoralists, and the Ecology of Scarcity in the Dutch Cape Colony (1652-1795)** *Jim Van der Meulen, Huygens Instituut - KNAW*

**The Dry Rice Mirage: Imperial Acclimatization, Knowledge Appropriation, and Food Solutionism in the Colonial Enlightenment** *Gilles Narcy, Université Paris 1 Panthéon-Sorbonne / Università degli Studi di Milano*

**Factories of Famine: Sieges and Scarcity in 17th-century Ceylon** *Jin-Woo Choi, Harvard University*

Session Organizer:

**Lavinia Maddaluno**, Institut d'Études Avancées, Paris; University of Ca' Foscari in Venice (Italy)

Chair:

**Fabrizio Baldassarri**, University of Rome 3

**221. Evolutionary Histories 1**

Contributed Paper Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.52

Participants:

**« Le sens du beau chez les bêtes »: Creative Evolution and Early Experimental Image Media** *Nicole Liao, University of Toronto*

**The 'Missing' Chapter of the Evolutionary Synthesis: Sewall Wright's Hierarchical Integration of Evolution and Development** *Zachary Mayne, University of Pittsburgh*

**Marine Knowledge in Geography Textbooks (1901–1949): Presentation and Evolution from the Perspective of Science Education Modernization** *Xue Yang, Inner Mongolia Normal University; Chao Liu, Inner Mongolia Normal University*

**Plural Epistemologies, Shifting Meanings: Recasting 'Tekâmül' as Evolution** *Selin Kara, Aksaray University*

Chair:

**Gregory Radick**, University of Leeds

**222. Plastic Amnesias: Forgotten Histories of Plastics and Health - I**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.55

Participants:

**Safe but Toxic: Hiding the Risks from Gas Sterilisation of Medical Plastics** *Bruno Strasser, University of Geneva*

**The Plastics Problem: Inventing and Forgetting Sciences of Synthetic Harms** *Jeremy Greene, Johns Hopkins University*

**HIV/AIDS Prevention Strategies and the Overuse of Single-Use Devices in Tanzania, 1980s-2000s** *Andrea Kifyasi, University of Dar es Salaam*

**Reframing plastic as a health emergency: embodied knowledges in global plastic governance, 2015-2025** *Cat Cat Acheson, University of Edinburgh; Rob Rolston, School of social and political science, University of Edinburgh*

Session Organizer:

**Anne Kveim Lie**, University of Oslo

Chair:

**Alice Street**, University of Edinburgh

**223. Space, Science, and Imagined Futures**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 1.60

Participants:

**East German Space Research in the 1980s** *Colleen E. Anderson, National Air and Space Museum, the Smithsonian Institution*

**From Outer Earth to Outer Space: EU Research in Antarctica on Climate Change and Bioastronautics** *Grace Ballor, Bocconi University*

**Gaia Goes to Mars: Ecology, Sociology, and Utopia in Michael Young's Argo Venture, 1984-89** *Jacob Ward, Maastricht University*

Session Organizers:

**Jacob Ward**, Maastricht University

**Grace Ballor**, Bocconi University

Chair:

**Matthew Shindell**, Smithsonian National Air and Space Museum

**224. Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (1 of 2)**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 2.20

Participants:

**Bending the Bottom: The Perdido Fold Belt, Submarine Canyons, and the Role of Private Interest in Shaping and Governing Ocean Grounds** *Samm Newton, University of Wisconsin–Madison*

**Contentious Cartography – Drawing the UK-Norway Border in the Northern North Sea 1975-1978** *Douglas Fleming, University of Aberdeen*

**Artificial Islands and Sovereignty in the Law of the Sea** *Kamil Ahsan, Yale University*

Session Organizers:

**Sam Robinson**, York

**Jonathan Galka**, National University of Singapore

**Samm Newton**, University of Wisconsin–Madison

Chair:

**Sam Robinson**, York

**225. Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices I**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

Edinburgh Futures Institute: 2.35

Participants:

**Practices in Parallel: Experiments in Early 20th Century Physics Laboratories** *Julia Bloemer, Europa-Universität Flensburg*

**A light in the darkness: Presences and meanings of an electric lamp in Northern Spain (1851-2025)** *Anxo Vidal Nogueira, Universitat de Valencia*

**Material Culture Across Time, Place, and Disciplines: Brander's Hydrostatic Balance and Zoological Lantern Slides** *Júlia Garcia de la Torre, Universität Wien*

**Navigating Matters: Reflections on an Oxford-Made Ivory Nocturnal in Munich** *Celine Camps, Columbia University*

Session Organizers:

**Julia Bloemer**, Europa-Universität Flensburg  
**Kristen Frederick-Frost**, Smithsonian Institution

**Johannes-Geert Hagmann**

**Peter Heering**, Europa-Universität Flensburg, Institute of Physics, its Didactics and its History

Chair:

**Peter Heering**, Europa-Universität Flensburg, Institute of Physics, its Didactics and its History

## 226. From Text to Treatment: Practical Cultures of Learned Medicine, 1000–1650 c.

Organized Session

2:30 to 4:00 pm, Tuesday 14 July  
Edinburgh Futures Institute: 3.35

Participants:

**Clinical Practice in Arabic Medical Encyclopaedias: A New Evaluation of al-Ṭabarī's Hippocratic Treatments** *Anna Gili, Università degli Studi di Padova*

**Much Ado about Medicina Theorica? Between Theoria and Praxis in Early Seventeenth-Century Tuscany** *David Miguel Soares Mesquita, University of Lisbon*

**Bodies under Tension: Bridging Medical Humanism and Mechanical Knowledge** *Silvia Marchiori, British School at Rome*

Session Organizers:

**David Miguel Soares Mesquita**, University of Lisbon

**Silvia Marchiori**, British School at Rome

Chair:

**Silvia Marchiori**, British School at Rome

## 227. History of Science as Agent of Change? Handling Colonial Natural History Objects

Roundtable

2:30 to 4:00 pm, Tuesday 14 July  
National Museum of Scotland: Auditorium

Session Organizers:

**Ina Heumann**, Museum für Naturkunde Berlin, Humanities of Nature

**Alexandra P. Alberda**, Manchester Museum, The University of Manchester, UK

**John Giblin**, National Museums Scotland

**Miranda Lowe**

**Sabine von Mering**, Museum für Naturkunde Berlin

Participants:

**Samual J.M.M. Alberti**, National Museums Scotland

**Katja Kaiser**, Museum für Naturkunde Berlin

## 228. Gendered Innovations and Limitations

Contributed Paper Session

2:30 to 4:00 pm, Tuesday 14 July  
EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**"Contaminated Mothers": Breast Milk Biomonitoring and the Gendered Politics of Embodied Risk from Michigan to Akwesasne, 1973-1999** *Abigail Higgins, Harvard University*

**"Rejuvenating the Nation" through Hormones: Pluralistic Visions of Endocrinology and Sexology in Modern India (1900-1950)** *Arnav Bhattacharya, Bryn Mawr College*

**Access Denied, Access Gained: Gender and the Visual Documentation of NASA's Early Science** *Carolyn Russo, Smithsonian*

Chair:

**Vinita Chandra**, Indian Institute of Technology (BHU) Varanasi, India

## 229. Governing Medicine in the 20thC

Contributed Paper Session

2:30 to 4:00 pm, Tuesday 14 July  
EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**Epistemic Frictions: How the Logic of Law Conquered Medical Discourse in the Treatment of DSD/Intersex** *Alik Mazukatow, Institute for History of Medicine and Science Studies, Luebeck University*

**Contours of Contested Sovereignty: Global Health Governance and the Making of Maternal Vaccine Policy in Nigeria** *Tolulope Esther Fadeyi, Centre for the History of Science Technology and Medicine (CHSTM), University of Manchester*

**Homogenizing Research Quality: The Transdisciplinary Transit of the Risk of Bias Tool** *Nicole C Nelson, University of Wisconsin Madison*

**The Professionalization of Human**

**Reproductive Medicine: The Case of in Vitro Fertilization and Its Extension into Family Diversity** *Natalia Otaduy, UNAM*

Chair:

**Elizabeth Bishop**

**230. Reimagining Alchemy**

Contributed Paper Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Alchemy and Paracelsianism in the Early Accademia dei Lincei: Some New Evidence** *Yang Gao, Institute for Advanced Study in History of Science, Northwest University, China*

**Alchemy of Care: The Original Holistic Medicine of the Medieval Mediterranean** *Stefania Buosi Moncunill, Sciència.cat Research Group; Research Development Grantee, Centre for the Study of Medicine and the Body in the Renaissance (CSMBR), Fondazione Comel, Pisa*

**Animal Alchemy: Recipes for Life and Death in the Seventeenth-Century English Household** *Madeleine Sheahan, Yale University*

Chair:

**Stefania Buosi Moncunill**, International Member, Sciència.cat Research Group; Centre for the Study of Medicine and the Body in the Renaissance (CSMBR), Fondazione Comel, Pisa

**231. Exchanged, Marginalized, Lost: Imperial Itineraries of Scientific Objects**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Indigenous Craft and the Art of Taxidermy in Imperial Science: Mateo Sánchez from New Spain to the Royal Cabinet** *Celia Rodríguez Tejuca, Brown University*

**Celebrated in Texts, Marginalized in Museums: Rhetoric and Materiality of the Chinese Compass and Sundial** *Shih-Yu Juan, Brown University*

**Imperial Exchanges: The 1944 EFEO Gift of Khmer Sculptures and Franco-Japanese Museum Diplomacy in Indochina** *Pin-Hua Chou, University of California, Los Angeles*

Session Organizer:

**Shih-Yu Juan**, Brown University

Chair:

**Lillian Tsay**, University of Montreal

**232. Science Diplomacy: Cooperation, Competition and Crisis 3**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**Navigating the waves of interwar Pacific Rivalry: the Bishop Micronesia Expedition** *Lisa Yoshikawa, Hobart and William Smith Colleges*

**Science Diplomacy, and Empire in East Asia: The Establishment of the Shanghai Science Institute (1931-1945)** *Shigeo Kato, School of Human Sciences, Waseda University, Japan.*

**Biosafety as Political Discourse and Diplomatic Symbol: China's Encounter with International Genetic Engineering Culture in the 1970s** *Amanda DeMarco, UC San Diego; Gao Lu, Tsinghua University*

Session Organizer:

**Alice Naisbitt**, University of Manchester

Chair:

**Aya Homei**, The University of Manchester

**233. Epidemiology Unbound 3**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Science as Schistosomiasis. From the 'Ecology of Medical Literature' to Infodemics.** *Lukas Engelmann, University of Edinburgh*

**Going viral: Epidemiological reasoning and the making of the COVID-19 infodemic** *Giulia Villanucci, University of Edinburgh*

**Applying Epidemiological Reasoning to Epistemic Dissent in Large-Scale**

**Scientific Collaborations** *Paula Muhr,*  
*Brand University of Applied Sciences*

Session Organizer:

**Lukas Engelmann,** University of Edinburgh

Chair:

**Alex Csiszar,** Harvard University

**234. Global Perspectives on Science, Technology and Politics**

Contributed Paper Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**From Twist to Torsion: Rethinking Empire with Coir Ropework in Nineteenth-Century India** *Adil Mansure, Harvard University*

**Making a Socialist Geobody: Embodied Politics and the National Prospecting Movement in Maoist China** *Qile Xie, Durham University*

**Solar Photovoltaics as a Contested Geopolitical and Diplomatic Tool in Late 20th-Century China** *Yijun Gai, University of Hong Kong and Southern University of Science and Technology*

Chair:

**Barbara Hof,** University of Lausanne

**235. Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 01**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Women's Household Science: Experimenting with Asian Plants in Early Modern British Medicine** *Cheng He*

**Transforming Domestic Technology: The Mass Campaign of Technological Innovation in Early Socialist China** *wenqi lin*

**Imagining Traditional Chinese Women's Diagnosis: Chinese Medicine Dolls and Global 'Erotica' in the 20th Century** *Jing Zhu*

Session Organizer:

**Jing Zhu**

Chair:

**Joan Judge**

**236. Mathematics in Manuscripts 1**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**What can mathematicians' drafts tell us about the 'back' of mathematics?** *Emmylou Haffner, CNRS*

**The Problem of Apollonius in the Notes of Thomas Harriott (c.1560-1621)** *Stefano Farinella, University of Hamburg*

**Leibniz on impossibility and transcendence: What is a result?** *Ariès Remaki, University of Mainz*

**'The Limits of Newton's Law': editing the manuscripts of Poincaré's course on 'Lorentz invariants' (1906–1907)** *Philippe Katz, Nantes Université*

Session Organizers:

**Emmylou Haffner,** CNRS

**Tilman Sauer**

Chair:

**Tilman Sauer**

**237. Touching Machines, Remaking Realities: Embodied Encounters between Humans and Technology in Modern China**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**From Modeling to Operative Text-Acts: Rethinking Geertz's Borrowed Metaphor through Chinese Ritual Technologies** *Yang Shen, Department of Sociology, Zhejiang University*

**Constructing A Typing Meritocracy in 1940s China** *Miaofeng Yao*

**Title: From Disability to Hyperability: Cybernetic Bodies in Early-1960s Mao-Era China** *Ruiying Zhang, Cornell University*

**Cybernetic Reformers: Scientizing Policy in Post-Mao China, 1978–84** *Tianyu Fang, Harvard University*

Session Organizers:

**Yuji Xu**, University of Wisconsin–Madison  
**Miaofeng Yao**

Chair:

**Fa-ti Fan**, Binghamton University

Commentator:

**Yuji Xu**, University of Wisconsin–Madison

### 238. How Sciences End 1

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**On perception, mathematical violence, and the afterlife of sciences: Did the 17th century European ‘Science of Music’ really come to an end?** *Yoav Beirach, Max Planck Institute for History of Science*

**A falling star: History and the end of scientific astrology** *Michelle Pfeffer, University of Oxford*

**“The Present Confusion:” Pañcāṅkam [calendar] Reform and the Undeath of Jyotiḥśāstra [Sanskrit astral science], 1874–1955”** *S. Prashant Kumar*

Session Organizer:

**Michelle Pfeffer**, University of Oxford

Chair:

**Alex Aylward**, University of Oxford

### 239. Raising Exceptional Children: Psychology, Education, and Motherhood

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**Mother of Genius: Women, Motherhood, and the Making of Exceptional Children** *Victoria Molinari, Autonomous University of Barcelona*

**Child prodigies, artistic genius and experimental psychology in early 20th century Europe** *Andrea Graus Ferrer, Milà i Fontanals Institution, Spanish National Research Council*

**Between Mass Schooling and Exceptional Citizens: Cultural and Psychological Discourses in Early 20th-Century Argentine Textbooks.** *Sebastián Matías*

*Benítez, Universidad a Distancia de Madrid (UDIMA)*

Session Organizers:

**Victoria Molinari**, Autonomous University of Barcelona

**Andrea Graus Ferrer**, Milà i Fontanals Institution, Spanish National Research Council

Chair:

**Victoria Molinari**, Autonomous University of Barcelona

### 240. Laboratories of Concealment: New Perspectives on Postwar Science, Secrecy and the State

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**The Architecture of Secrecy** *Alex Wellerstein, Stevens Institute of Technology*

**Splitting Modernisms: Art and Industry in India's Nuclear Program** *Dwai Banerjee, Science, Technology, and Society (STS), MIT*

**Curating the Atom: Transnational Exhibits, National Aspirations, and the Cold War Physics Laboratory** *Hannah Ahlblad, Graduate School of Design, Harvard University*

Session Organizer:

**Hannah Ahlblad**, Graduate School of Design, Harvard University

Chair:

**Gisela Mateos**, Universidad Nacional Autónoma de México

Commentator:

**Itty Abraham**, Arizona State University

### 241. Literary Technologies and the Science of Literature

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Lowther

Participants:

**Casting Communities: Metallurgic Expertise and Communities of Practice in Early Modern South Asia** *Eric Moses Gurevitch, Harvard University*

**Theology with Medicine in Kashmir:**

**Science and Social Change** *John Nemeč, University of Virginia*

**Traveling Tales: Understanding Transfers of Knowledge Through Myth** *Patricia Sauthoff, Hong Kong Baptist University*

**Textual Genre, Theories of Disease, and the Experience of Epidemic: Smallpox and the Śītalāmaṅgala Tradition of 17th-18th Century Bengal** *Ishan Chakrabarti, University of Chicago*

Chair:

**Patricia Sauthoff**, Hong Kong Baptist University

**242. Scales of the Earth: Space, Science and the Specters of Planetary History 01**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 1 - Menteith

Participants:

**Turning Planetary: Rethinking Earth from Orbit** *Alexander C.T. Geppert, New York University/NYU Shanghai*

**Spaceflight and the History of the History of Science** *Brad Tabas, Institut Polytechnique de Paris*

**Star Gazing: Buckminster Fuller and the Early History of Planetary Thought** *David Kuchenbuch, Carl von Ossietzky Universität Oldenburg*

**Mediated Orientation in Space and Expanded Artistic Practices in the 1960s** *Haitian Ma, University of Amsterdam*

Session Organizer:

**Alexander C.T. Geppert**, New York University/NYU Shanghai

Chair:

**Amanda Rees**, University of York, UK

**243. Intersections between History and Philosophy of Physics**

Contributed Paper Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 2 - Moffat

Participants:

**Contested Truths and Vanished Worlds: Reclaiming Weberian Electrodynamics Through Histories of Epistemic**

**Disobedience** *Laura Bujalance, Universidad Rey Juan Carlos*

**Politics, Prestige, and Heterodoxy: Mario Schenberg's Intellectual Trajectory in 1980s Brazil** *Ivã Gurgel, University of São Paulo; Alexander Brilhante Coelho, University of São Paulo*

**The Philosophy within Physics: Pauli and Heisenberg on Schopenhauer and Goethe** *Noah Stemeroff, University of Bristol*

**Historical Origin of the Current Crisis in Cosmology** *Carla Almeida, Universidade Federal da Bahia (UFBA), Brazil*

**244. Managing Complexity: Investigating Plants, Forests, and Oceans in Late Nineteenth-Century Germany**

Organized Session

2:30 to 4:00 pm, Tuesday 14 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**More Light! Biologizing Plant Growth, 1860s-1890s** *Kärin Nickelsen, LMU Munich*

**Organizing Forest Experiments, 1868-1890** *Caterina Schürch, Institut für Philosophie, Literatur-, Wissenschafts- und Technikgeschichte, Technische Universität Berlin*

**Ecologizing the German Oceans, 1868-1887** *Lynn K Nyhart, University of Wisconsin–Madison*

Session Organizer:

**Lynn K Nyhart**, University of Wisconsin–Madison

Chair:

**Angela Creager**, Princeton University

**245. Resource Management, Defined and Redefined**

Contributed Paper Session

2:30 to 4:00 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**“Proving” a Species: Postcolonial Techno-Forestry, Waste Utilization, and the Making of Rubberwood in Malaysia** *Aida Arosoaie, University of Wisconsin–Madison; Elizabeth Hennessy,*

*University of Wisconsin–Madison*

**Bedouin Knowledge and the Foundations of Imperial Extraction in the Late Ottoman Arab Frontiers (1900-1918)** *Zeynep Ecem Pulas, The Max Planck Institute for the History of Science*

**Connecting the World – A Scientific Expedition and the German Exploitation of its Colonies in the Pacific** *Sara Müller, University of Erfurt*

**Environmental Knowledge and Nation-Building: Ecology in Mandatory Palestine (1920-1938)** *Naomi Yuval-Naeh, The Hebrew University of Jerusalem*

Chair: **Nuala Caomhanach**, *New York University/American Museum of Natural History*

**246. Alternative Sites of Knowledge Production**

Contributed Paper Session

*2:30 to 4:00 pm, Tuesday 14 July*

*EICC: Floor, Level 1 - Ochil Suite 2*

Participants:

**How Does Positionality Emerge? The Role of Positionality in Science Production and its History** *Ana Luiza de França Sá, Federal Institute of Education, Science, and Technology of Brasília- IFB, Brazil*

**The Play's the Thing: Games and the Dream of Machine Intelligence in Britain, 1945-1956** *Ben Francis, New York University*

**247. Contested Knowledges of Climate, Food and Famine**

Organized Session

*2:30 to 4:00 pm, Tuesday, 14 July*

*EICC: Floor, Level 1 - Ochil Suite 3*

Participants:

**“Hunger in a heating world”: Oxfam, famine aid and climate science** *Eleanor Shaw*

**‘What Care These Men if India Is Starving?’: Hill stations, Climate and Famine Critique in Colonial India** *Joseph Manock, University of Manchester*

**Epistemologies of Food and Climate During the Great Irish Famine** *Aoife O’Leary McNeice, University of Galway*

**Climate, Food Security and Risk in Colonial**

**Malaya, c. 1890-1939** *Fiona Williamson, College of Integrative Studies, Singapore Management University*

Session Organizer:

**Eleanor Shaw**

Chair:

**Robert Naylor**, *University of Manchester*

**248. The Impact of the Digital Revolution on the History of Science and its Social Implications-3**

Organized Session

*2:30 to 4:00 pm, Tuesday, 14 July*

*EICC: Pentland Auditorium*

Participants:

**From Sources to Systems: How Computational Methods Are Reconfiguring Historical Knowledge in the Age of Plural Worlds** *Matteo Valleriani, Max Planck Institute for the History of Science*

**Tracing semantic change: Approaches for tracking knowledge evolution** *Malte Vogl, Max Planck Institute of Geoanthropology; Raphael Schlattmann, TU Berlin*

**Re-envisioning Scholarly Editions in the AI Age: Methodological Challenges and Opportunities** *Martin Kurz, University of Zurich*

**A New Access Strategy to Sources on the Digital Revolution** *Carsten Reinhardt, University of Bielefeld*

Session Organizer:

**Erwin Neuenschwander**, *Institute of Mathematics University of Zurich*

Chair:

**Matthieu Husson**

**249. Shifting Perspectives on Gendered Knowledge: Medical and Psychological Practices in Transition**

Organized Session

*2:30 to 4:00 pm, Tuesday, 14 July*

*EICC: Floor, Level 1 - Platform 5*

Participants:

**Contesting Diagnoses: Feminist Critiques of “Personality Disorders” in the United States and West Germany, 1970s–1990s**

*Almut Pohl, University of Lübeck, Germany*

**Shifting Gendered Perspectives: Feminist Therapy in West Germany and Berlin, 1970s–1990s** *Antonia Sieler, Institute for History of Medicine and Science Studies, University of Lübeck, Germany*

**Shifting Clinical Perspectives: Producing Gendered Bodies in GDR Pediatric Endocrinology** *Annalena Fuchs, Institute for History of Medicine and Ethics in Medicine Charité Berlin*

Chair:

**Antonia Sieler**, Institute for History of Medicine and Science Studies, University of Lübeck, Germany

## 250. Colonialism, Collecting, and Ethnology

Contributed Paper Session

2:30 to 4:00 pm, Tuesday, 14 July

*National Museum of Scotland: Seminar Room*

Participants:

**Beyond the Exhibition - Museums as Engines of Epistemic Imperialism, 1850-1920** *Alexander Stoeger, Saarland University*

**Colonial Travel Photography Inside a Victorian Asylum** *Aryn Martin, York University*

**From Scientific Collections Pasts towards Collections Futures: Decolonizing Knowledge about Colonial Collections in Archaeological Museums** *Elisabete Pereira, Institute of Contemporary History*

Chair:

**Maximilian Georg**, Austrian Academy of Sciences

## 251. Science, Knowledge, and Technology in Modern China: Vernacularization and Global Diffusion

Organized Session

2:30 to 4:00 pm, Tuesday, 14 July

*EICC: Floor, Level 3 - Sidlaw Auditorium*

Participants:

**Science, Commerce, and Education: The Transformation of the Shanghai Museum (R.A.S.), 1874–1948** *Yibing Qian, Zhejiang Normal University*

**What is “science”? The differing interpretations of “Making Chinese Medicine Scientific” in Republican China(1911-1949)** *Xudong Liu, Fudan University*

**Rural Health, Self-Reliance, and Its Limit: The History of Acupuncture as “Socialist Medicine” in Tanzania 1960s–1980s** *Liang Wan, University of Vienna*

Session Organizer:

**Xudong Liu**, Fudan University

Chair:

**Bridie Andrews**, Bentley University

Commentator:

**Xi Gao**, Fudan University

## 252. Burying the Torch: Illuminating Diverse Actors in the Making of Premodern Knowledge

Organized Session

2:30 to 4:00 pm, Tuesday, 14 July

*EICC: Floor, Level 0 - Tinto Suite*

Participants:

**Beyond Obsolescence: The Persistent Plurality of Babylonian Astral Science** *Alessia Pilloni, FU Berlin*

**Women in Tech: Mothers and Housekeepers in Premodern Arabic Technical Compendia** *Leonie Böttiger, Max Planck Institute for the History of Science*

**Aphrodisiac Recipes and Techniques: Rethinking Practical Knowledge of Human Generation among Free and Enslaved Women in the Premodern Islamicate World** *Beatrice Bottomley, The University of Bologna*

Session Organizers:

**Beatrice Bottomley**, The University of Bologna

**Leonie Böttiger**, Max Planck Institute for the History of Science

Chair:

**Laurence Totelin**, Cardiff University

## 253. (Mis)Understanding Animals? Biology, Epistemic Uncertainty, and Non-Human Animal Management in the Late Nineteenth and Twentieth Centuries

Organized Session  
4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 1.40

Participants:

**Man-Eater or Honest Tiger? Contested Ethology in Colonial Myanmar** *Jonathan Saha, Durham University*

**The Little Owl controversy in twentieth-century England: Gamekeepers, protectionists, and the science of bird diets** *Max Long, Lincoln College, University of Oxford*

**America's "Global Goose-Chaser": Nelson Gardiner Bump, the Foreign Game Introduction Program, and the Scientific Theory of Wild Animal Introductions** *Barrie Blatchford, University of Northern British Columbia*

**The Rat Catchers: A Political Ecology of British Jamaica, 1771-1880** *Alice Louise Gorton, Columbia University*

Session Organizer:

**Barrie Blatchford**, University of Northern British Columbia

Chair:

**Claire Cage**, University of South Alabama

#### 254. Scientific Travel in Colonial Contexts: Logistics, Politics and Practices

Organized Session  
4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 1.50

Participants:

**Pehr Kalm's Linnaean Ethnography** *Jordan Thomas Mursinna, University of California, Berkeley*

**Scientific Exploration Against Slavery? Catineau Laroche's Expedition and the "White Colonization" Project in Mana (French Guiana, 1820s)** *Salomé Ketabi, EHESS, Mondes Américains (Paris)*

**Lecturing from the Cape to Cairo: George Darwin and the Dissemination of Knowledge During the BAAS Expedition to Africa in 1905** *Edwin Rose, University of Leeds*

**Conservation, Contagion, and Collecting: Guy Shortridge and Nicholas Arends's Scientific Expeditions to Namibia, 1920s**

*Jules Skotnes-Brown, University of Liverpool*

Session Organizer:

**Edwin Rose**, University of Leeds

Chair:

**Janet Browne**, Harvard

#### 255. Evolutionary Histories 2

Contributed Paper Session  
4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 1.52

Participants:

**Gender, Legacy and Scientific Artefacts: The Case of Nora Barlow, Darwin's Granddaughter** *Joseph Caygill, University of Leeds*

**Prandtl's Genealogy in America: Transnational Migration and Evolution of the Göttingen School of Applied Mechanics** *Qiaochu Zhang*

**The Burden of Old Stories: Changing Historical Narratives in Evolutionary Biology** *Ákos Kormányos*

**Wars of Extermination Between Species: The "Struggle for Existence", and the Birth of Ecological Conflict** *Olivier Baisez, Université Paris 8 Vincennes Saint-Denis*

Chair:

**Gregory Radick**, University of Leeds

#### 256. Plastic Amnesias: Forgotten Histories of Plastics and Health - II

Organized Session  
4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 1.55

Participants:

**Plastic essentiality: how a process of forgetting locked healthcare facilities into single-use plastic infrastructures.** *Dani Farrow, University of Edinburgh*

**Knowledge Gaps in Medical Device Materials: Materiovigilance and Historical Inertia** *Millie Marriot Webb, University of Edinburgh*

**Why is my medical test cased in plastic? The material histories and futures of the lateral flow assay in global health** *Alice Street, University of Edinburgh; Maiwenn Kersaudy-Kerhoas, School of Engineering*

and Physical Sciences, Heriott Watt University

Chair:

**Anne Kveim Lie**, University of Oslo

Commentator:

**Hannah Landecker**, UCLA

**257. Film and the Mind Sciences at the Margins: Research, Diagnosis, Popularisation**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 1.60

Participants:

**Film and the Translation of Psychological Concepts of Child Development: from Switzerland to Britain and Beyond** *Bonnie Evans, University of Manchester*

**Soviet Scientific Film and Conceptions of Trauma, 1920s-1950s** *Anna Toropova, University of Warwick*

**Growing Up Without Sight: Child Psychoanalysis, Observational Film and the Blind Child in Postwar America and Britain** *Katie Joice, Birkbeck College London*

Chair:

**Hugo Soares**

Commentator:

**Sarah Marks**, Birkbeck, University of London

**258. Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (2 of 2)**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 2.20

Participants:

**All aboard the Akademik Knipovich: Soviet Fisheries Research, International Organizations and the Cold War of the Sea** *Elizabeth Banks, University of Edinburgh*

**How Meta-Organizations Influence Their Social Environment. The Case of the International Council for the Exploration of the Sea** *Kurt Rachlitz, Norwegian University of Science and Technology; Michael Grothe-Hammer, Norwegian University of Science and Technology; Jennifer L. Bailey, Norwegian University of*

*Science and Technology*

**“The Mines of Neptune”: Deep Seabed Mining, Ocean Territorialization, and the Undersea as Underground (1957-1982)**

*Jonathan Galka, National University of Singapore*

Session Organizer:

**Sam Robinson**, York

Chair:

**Sam Robinson**, York

**259. Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices II**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 2.35

Participants:

**Moving Pictures: Projecting Crystallisation and Water Animalculae with an 18th century solar microscope** *Peter Heering, Europa-Universität Flensburg, Institute of Physics, its Didactics and its History*

**Analysis of a hair hygrometer: Exploring scientific practices in the history of meteorology** *Stefan Walberer, University of Regensburg*

**When the makers fall silent but their instruments keep speaking: reconstructing the biography of J.G. Hofmann’s rangefinder preserved in the Deutsches Museum** *Luisa Lovisetti, University of Milan*

Session Organizers:

**Julia Bloemer**, Europa-Universität Flensburg

**Kristen Frederick-Frost**, Smithsonian Institution

**Johannes-Geert Hagmann**

**Peter Heering**, Europa-Universität Flensburg, Institute of Physics, its Didactics and its History

Chair:

**Peter Heering**, Europa-Universität Flensburg, Institute of Physics, its Didactics and its History

**260. Other Voices in Early Modern Science**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July  
Edinburgh Futures Institute: 3.35

Participants:

**The Caiman Archive: Natural History in Seventeenth-Century Spanish America**  
*Valeria López Fadul, Wesleyan University*

**Fishing Coral, Mining Fossils: Laboring Knowledge of Nature in Eighteenth-Century France** *Lydia Barnett, Northwestern University*

**'He Says It Hurts': Experimenting on Children in Enlightenment Italy** *Ori Ben-Shalom, Harvard University*

Session Organizer:

**Ori Ben-Shalom**, Harvard University

Chair:

**Pablo F. Gómez**, University of Wisconsin–Madison

**261. Collections, Archives, Libraries, and Museums: How, Why, and So What?**

Roundtable

*4:15 pm to 5:45 pm, Tuesday, 14 July*  
*National Museum of Scotland: Auditorium*

Session Organizer:

**Florencia Pierri**, MIT Museum

Chair:

**Judith Kaplan**, Science History Institute

Participants:

**Timothy Boon**, UCL

**Ad Maas**, Rijksmuseum Boerhaave

**Emily Margolis**, National Air and Space Museum, Smithsonian Institution

**Florencia Pierri**, MIT Museum

**Ludmila Pollock**, Cold Spring Harbor Laboratory

**Anna Toledano**, Los Altos History Museum

**262. Forensic Science in Transtemporal Perspective**

Contributed Paper Session

*4:15 pm to 5:45 pm, Tuesday, 14 July*  
*EICC: Floor, Level 1 - Carrick Suites 1*

Participants:

**A State-Socialist Forensic Science of Risk? Probability, Prevention, and "Deviance" in Czechoslovak Psychiatry and Criminology** *Jakub Střelec, Institute for the History of Medicine and Ethics in Medicine, Charité Berlin*

**Ars-umptions are Deadly: An Autopsy of the Trial of Jeanne Catherine Madeleine Schmuckler**, *University of Toronto*

**Forensic Scientists and Recovering the Disappeared: Origins, Travel, and Production of Knowledge** *Lauren Dempster*

**Soil, Water, Image Remediation: Chemical War and U.S. Epistemic Investments in Agent Orange Environmental Science After Vietnam, 1980-2005** *Rohini Patel, McMaster University*

**263. Bodies, Signs, and Healing Arts across Medieval Medical Traditions**

Contributed Paper Session

*4:15 pm to 5:45 pm, Tuesday, 14 July*  
*EICC: Floor, Level 1 - Carrick Suites 2*

Participants:

**Melancholia and 'Ishq: Contested Sciences of the Malady of Love in the Graeco-Arabic World** *Ilyas-Sakhaeddine Oultache, McGill University; Prashant Keshavmurthy, Institute of Islamic Studies, McGill University; Faith Wallis, McGill University*

**The Curative Power of Virgins in Early Medieval England, Case Studies from the Lacnunga** *Abigail Riley Ballantyne, University of Pennsylvania*

**Defining Medieval Uroscopy: Isaac Israeli and the Causes of Urine Color Diversity** *Grégory Clesse, UCLouvain*

**'Tempered by Crafte': Atmospheric Conditioning and Design in Late Medieval Medicine** *Thomas James Banbury, University of Cambridge*

Chair:

**Meagan Allen**, Johns Hopkins University

**264. Old Collections, New Stories: Doing Natural History Humanities in Cambridge and Beyond**

Organized Session

*4:15 pm to 5:45 pm, Tuesday, 14 July*  
*EICC: Floor, Level 1 - Carrick Suites 3*

Participants:

**Death Becomes Her: An Investigation into the Aesthetics**

**of Plant Disease** *Kimberly Glassman, University of Cambridge*

**The Life-History of the Pencil: Women and Graptolithology in the Field and the Museum, 1890–1923** *Richard Fallon, University of Cambridge*

**Death, Donation, and Demands in the Bunbury Herbarium: Curating Scientific Legacies in Natural History Collections** *Grace Exley, University of Cambridge*

Session Organizer:

**Richard Fallon**, University of Cambridge

Chair:

**Isabel Davis**, Natural History Museum

**265. Engineering Frontiers: Water, Expertise, and the Social Costs of Hydraulic Modernization**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, -1 - Conference Organisers Room

Participants:

**Dams, displacement and resettlement. The experience of local communities through non-academic sources** *Judit Gil-Farrero, Università degli studi di Bergamo (UniBg)*

**Calculating Loss: Expert Knowledge, Cultural Value, and the Politics of Resettlement in Swiss Hydropower Projects** *Sebastian De Pretto, University of Berne*

**The Reschensee Dam (Bozen, South Tyrol, Italy) from displacement and national contrast to touristic attraction** *Stefano Morosini, Università degli studi di Bergamo*

Session Organizers:

**Judit Gil-Farrero**, Università degli studi di Bergamo

**Sebastian De Pretto**, University of Berne

Chair:

**Francesco D'Amaro**, Autonomous University of Madrid

**266. How to Visualize the Previously Unknown – A Multidisciplinary Approach**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**The Seventeenth-Century Microscope and Observation Practices** *Tiemen Cocquyt, Rijksmuseum Boerhaave*

**Clarification through Representation – Images in Early Modern Microscopy** *Sietske Fransen, Bibliotheca Hertziana - Max Planck Institute for Art History*

**Picturing the “Round Globules”: Visualizing Microscopic Observations of Ferns in Early Modern Europe** *Jessie Wei-Hsuan Chen, Huygens Institute/Royal Netherlands Academy of Arts and Sciences*

Session Organizers:

**Sietske Fransen**, Bibliotheca Hertziana - Max Planck Institute for Art History

**Eric Jorink**, Huygens Institute/Royal Netherlands Academy of Arts and Sciences

Chair:

**Christoffer Basse Eriksen**, Aarhus University

**267. Science Diplomacy: Cooperation, Competition and Crisis 4**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**Science diplomacy and the improvement of the world order: does the promise hold true? A discussion based on examples of scientific cooperation between rival countries** *Pierre-Bruno Ruffini, University of Le Havre Normandy*

**Chip Wars and Strategic Alliances: Historicizing Science Diplomacy in the Semiconductor Age** *Akash Kumar, School of Social Sciences, Jawaharlal Nehru University, New Delhi, India.*

**The Politics of Big Science: Competition, Consensus-building and Cooperation in the Square Kilometre Array (1980s-2025)** *Alice Naisbitt, University of Manchester*

Session Organizer:

**Alice Naisbitt**, University of Manchester

Chair:

**Lif Lund Jacobsen**, Danish Arctic Institute

**268. Visual Tools in Global Histories of Medicine**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**From Diagnosis to Divination: The Visual Culture of Tibetan Uroscopy** *Briana Brightly, Harvard University*

**Tu and Pu: Illustrated Materia Medica and The Culture of Knowledge in Late Ming China (1368-1644)** *Ruiying Gao, Wake Forest*

**Training the Medical Gaze: Marginal Figures in Medieval Illustrated Herbals** *Andrew Griebeler, Duke University*

Session Organizers:

**Carly B Boxer**, Bucknell University

**Briana Brightly**, Harvard University

Chair:

**Carly B Boxer**, Bucknell University

**269. Contested Sciences**

Contributed Paper Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**“Who Makes the Luddites Rise?”: Popular History, Satire, and Late Victorian Technoscientific Dissent** *Claire Ann Votava, University of California, Los Angeles*

**Cell Research and the Divorce of General Physiology from General Biology, 1899-1958: Discord, Divergence, or Pluralism?** *Daniel Liu, University of Illinois Urbana-Champaign*

**Revisiting the Molecular Turn of the 1960s: The Case of Yoshio Masui’s Cell-Cycle Research** *An Zhu, University of Pittsburgh*

**Science and/as Liability: The U.S. Air Force’s Chimpanzee Colony and the Politics of Controversial Science, 1958-1997** *Brigid Prial, University of Pennsylvania*

Chair:

**Iris Clever**, University of Chicago

**270. Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 02**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Technology and Gender: The Formation and Professional Practices of Women Telephone Operators in Late Qing and Republican China** *Meifang Zhang*

**Weaving Digital Textility: Gendered Craft, Embodied Skill, and AI Encounters in Huayao Cross-stitch** *Duoduo Zhang*

Session Organizer:

**Jing Zhu**

Chair:

**Marta Eileen Hanson**,

Friedrich-Alexander-Universität

Erlangen-Nürnberg

**271. Mathematics in Manuscripts 2**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Why study Einstein's mathematical manuscripts?** *Tilman Sauer*

**Bourbaki's 'redactions'. Reconstructing values of intelligibility from drafts of expository material** *David Waszek*

**The Storehouse of Imagination—or, John Wheeler's Notebooks** *Stefano Furlan, Utrecht University*

Session Organizers:

**Emmylou Haffner**, CNRS

**Tilman Sauer**

Chair:

**Emmylou Haffner**, CNRS

**272. Wells, Labs, and Corridors: Situated Infrastructures and the Production of Scientific Knowledge**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Illegible Knowledge and Illicit Wells:**

**Groundwater Infrastructure in Taiwanese Aquaculture's Resource Frontier** *Chun-Yi Ho, Academia Sinica*

**How Does an Inscription Device Take Its Place? : Tracing the Ongoing Construction of Laboratory Infrastructure** *Yeonwha Kim, Seoul National University*

**Ecological Corridors as Situated Infrastructure: Civic Expertise and the Making of Environmental Knowledge in Suwon, South Korea** *MinHwa Yun, Ewha Womans University*

Session Organizers:

**Yeonwha Kim**, Seoul National University  
**MinHwa Yun**, Ewha Womans University

Chair:

**Kuang-Chi Hung**, National Taiwan University

Commentator:

**Jung Lee**, Ewha Womans University

### 273. How Sciences End 2

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**Doing physics otherwise: The rise and fall of "Terada Physics"** *Hiroto Kono, National Museum of Nature and Science, Tokyo*

**Obsolete scripts and dated readings: The decline of graphology in late 20th-century Sweden** *Rakel Gunnemark, University of Gothenburg*

**Scientific Atheism breaking down twice: Continuities and discontinuities of a marginal East German science** *Eva Guigo-Patzelt, Associate member of CéSor, Paris*

**The liquidation of Solid State Physics** *Joseph D. Martin, Durham University*

Session Organizer:

**Michelle Pfeffer**, University of Oxford

Chair:

**Alex Aylward**, University of Oxford

### 274. Reappraising Three Iconic Images in the History of Science

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**From private sketch to public icon: the rise of Darwin's "I think" diagram** *Elizabeth Schulz, University of Leeds*

**What was "Photograph 51," and where is it now?** *Alistair Sponsel, Science History Institute*

**Multiplicity and the making of "simple and unambiguous": The Keeling curve of rising atmospheric carbon** *Madison Renner, Harvard University*

Session Organizer:

**Alistair Sponsel**, Science History Institute

Chair:

**Alistair Sponsel**, Science History Institute

### 275. The Environmental Lives of Things: Science and Technology, Environmental History, and Material Culture

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Metal Materialisms: A Transnational Perspective on Vanadium, Consumption, and Material Culture** *Rocío Gomez, Virginia Commonwealth University*

**Frozen Favourites: Accidental Cryopreservation and 'Object Shrines' in Extreme Expeditions** *Vanessa Heggie, University of Birmingham*

**"Unshrinkable, Unsplinterable and Practically Indestructible": Plywood Crates, Scientific Transport, and Colonial Commerce** *Sarah Pickman, Independent scholar*

**Fragile Modernity? Utility Poles in the Modern Landscapes of East Asia** *Boumsoung Kim, Tokyo University of Science*

Session Organizers:

**Sarah Pickman**, Independent scholar  
**Rocío Gomez**, Virginia Commonwealth University

Chair:

**Nuala Caomhanach**, New York University/American Museum of Natural History

**276. Psychological Sciences in East and Southeast Asia, 19th to Mid-20th Centuries**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Lowther

Participants:

**Healing Through Trance: Mental Healing and Social Reform in Early 20th-Century China** *Luis Fernando Bernardi Junqueira, University of Cambridge*

**Naming the Western 'Psy' Sciences in East Asia: Between 精神 (chōngsin) and 心理 (simni), the Case of Psychoanalysis (精神分析) in South Korea** *Jimin Choi, University of Cambridge*

**The Making of the 'Modern Child': From a Child of the Future in the Second World War to the Nervous Child in Cold War Thailand** *Krittapak Ngamvaseenont, University of Manchester & Chiang Mai University*

**From the Hypnotic Ball to Breathing Exercises: The Transformation of Hypnotic Techniques in Early-Twentieth-Century Japan** *Yu-Chuan Wu, Academia Sinica*

Chair:

*Luis Fernando Bernardi Junqueira, University of Cambridge*

**277. Scales of the Earth: Space, Science and the Specters of Planetary History 02**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Menteith

Participants:

**'As if Haze from the Alien Universe Travelled as Angels: Astro-poetry and Planetary Poetics in Scandinavia, 1956–1990** *Thore Bjørnvig, Independent Scholar*

**Battle-Space: The Military-Technical Revolution and the Making of a Planet since the 1970s** *Tilman Siebeneichner, Leibniz-Zentrum für Zeithistorische Forschung (ZZF) Potsdam*

**Planetizing Territory: Reversing the Gaze on the Contemporary Production of**

**Territorialities** *Paloma Puente-Lozano, University Carlos III of Madrid*

Session Organizer:

*Alexander C.T. Geppert, New York University/NYU Shanghai*

Chair:

*Alexander C.T. Geppert, New York University/NYU Shanghai*

**278. Developments in the History of Particle Physics**

Contributed Paper Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 2 - Moffat

Participants:

**Founding Fermilab: Satire, Speculative Simulation and Spontaneous Symmetry in Leon Lederman's Liminal Laboratory** *Mariam Mariam Sabri, UC Berkeley*

**Italy, China, and the USSR at the Particle Zoo: Uneven Reception of Antihyperon Discoveries at the Dawn of the Standard Model** *Adele La Rana, Sapienza University of Rome*

**The Entanglement of Physics and Informatics in Bologna from 1950s to 1980s** *Lara Marziali, Politecnico di Milano*

**The Evolution of Steven Weinberg's Conception of Effective Field Theories in the 1970s** *Sebastien Rivat, MCMP, LMU Munich*

Chair:

*Karl Hall, Central European University*

**279. Plural Plant and Fungal Worlds**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**"He sat like a Senegalese": Acclimatizing Michel Adanson (1727-1806), a French Botanist in West Africa 1749-1753** *Tamara Caulkins, Central Washington University*

**Big in Japan: Minakata Kumagusu and Britain** *Nathan Smith, Amgueddfa Cymru—Museum Wales*

**Capitalist Chimeras: The Contemporary Commodification of Grafted Plants**

*Matthew Holmes*

Session Organizer:

**Tamara Caulkins**, Central Washington University

Chair:

**John Schaefer**, University of Cambridge

**280. Producing Landscape**

Contributed Paper Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Breeding for Performance: Hybrid Poplars and Vegetal Labor** *Lois Nguyen, Virginia Tech*

**Different Natures: Conflict and Negotiation in Preservation in an Alpine Park** *Giovanni Bisi*

Chair:

**Alexandre Claude**, European University Institute, Florence; Bibliotheca Hertziana, Rome

**281. Revelations in Natural History**

Contributed Paper Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Brongniart, Cuvier, and Geoffroy: Rivalry, Friendship, and Debate in Early Nineteenth-Century Natural History** *Julia Carr-Trebelhorn, University of Cincinnati*

**A Natural History of Fishwives: Questions of Sex and Species along the Scottish Coast** *Dale Booth, Barnard College*

**282. What to Do with the “Heroes” of Science?**

Roundtable

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Ochil Suite 3

Session Organizer:

**Gideon Manning**, UCLA

Chair:

**Nathaniel Comfort**, Johns Hopkins University

Participants:

**Orly Lewis**, Hebrew University of Jerusalem

**Gideon Manning**, UCLA

**Anita Guerrini**, Oregon State University, and

University of California Santa Barbara

**Louisiane Ferlier**, Royal Society

**Maria Pia Donato**, CNRS/IHMC, Paris

**283. The Impact of the Digital Revolution on the History of Science and its Social Implications-4**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Pentland Auditorium

Participants:

**RAG in Practice: Closing the Usefulness Gap for Humanities Research** *Jochen Büttner*

**The Database of Scientific Illustrators 1450–1950 (DSI) – a fruit of the digital revolution** *Klaus Hentschel, University of Stuttgart, Germany; Torsten Himmel, University of Stuttgart, Germany*

**Artificial intelligence, historical research and the importance of considering non-Anglo-American perspectives** *Kostas Tampakis, National Hellenic Research Foundation*

**The Hidden Costs of Digital Humanities: Labour, Rights, and Infrastructures in the History of Science** *Rana Brentjes, independent*

Session Organizer:

**Erwin Neuenschwander**, Institute of Mathematics University of Zurich

Chair:

**Sonja Brentjes**, University Wuppertal

**284. Representing the Sky from the Earth and Vice Versa: Gnomonic, Archoastronomy, Cartography and Geometry**

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 1 - Platform 5

Participants:

**Cultural Anthropology and the geometry of gnomonic projections from ancient times to present days** *Alessandra Pagliano, University Federico II of Naples*

**Narrating the Invisible. Transmedia Strategies for the Dissemination of Astronomical Heritage: The Case of the**

**Rizzoli Institute Meridian Line** *Manuela Incerti, University of Ferrara; Paolo Lenisa, University of Ferrara*

**From Documental Sources to Artefacts. Experiences for the Cultural Accessibility of the Sundial of Palazzo Spada** *Laura Farroni, Università degli Studi Roma Tre; Matteo Flavio Mancini, University of Roma Tre.*

**The Evolution of Cartography between new technologies and societal impacts: from classical geodesy to Smart City planning** *Antonio Acierno, University Federico II of Naples*

Session Organizers:

**Alessandra Pagliano**, University Federico II of Naples

**Manuela Incerti**, University of Ferrara

**Laura Farroni**, Università degli Studi Roma Tre

Chair:

**Ivana Gambaro**, University of Genoa, SISFA, Cassini 400 Committee

#### 285. Collecting Amazonian Knowledges

Contributed Paper Session

4:15 pm to 5:45 pm, Tuesday, 14 July

National Museum of Scotland: Seminar Room

Participants:

**Recentring Indigenous Epistemologies: Entangled Knowledge Production in Early Modern Colonial Brazil** *Gisele Cristina Da Conceição, University of São Paulo*

**Out of Amazonia: Museums, Collections, and Object-Oriented Ontologies** *Neil Safier, Brown University*

Chair:

**Staffan Mueller-Wille**, Cambridge University

#### 286. China Observed: Science and the British Encounter with China in the Nineteenth and Twentieth Centuries

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Participants:

**Science and Sinology at the Colonial Frontier: The Hong Kong Branch of the Royal Asiatic Society, 1847-1859** *Bernard*

*Lightman, York University*

**Translating Power: John Fryer and the Making of Scientific Authority in the Self-Strengthening Era** *Su Huai, York University*

**Translating Natural History: Arthur de Carle Sowerby and the Sinicization of British Zoology in Republican China** *Christine Yi Lai Luk, Tsinghua University*

**Evolution and Utopia: Joseph Needham and H. G. Wells on the New World Order, 1940-1942** *Hsiang-Fu Huang, Nankai University*

Session Organizer:

**Hsiang-Fu Huang**, Nankai University

Chair:

**Bernard Lightman**, York University

#### 287. Disability Sciencing: Measuring and Classification at Sites of Knowledge-Making

Organized Session

4:15 pm to 5:45 pm, Tuesday, 14 July

EICC: Floor, Level 0 - Tinto Suite

Participants:

**“A Coarse Sieve:” The Measurement of Disability in British Immigration Health Inspections, 1906–1939** *Coreen A. McGuire, Durham University*

**The “Abnormal” Pelvis: Pelvimetry and Forceps Use and Design in the British Empire from the late 19th century to the early 20th century** *Corinne Freeth, University of Delaware*

**“I Am an ‘Iron-Lung’ Mother”: Polio Mothers and Homemaker Rehabilitation in the Postwar United States.** *Emma Wathen, University of Wisconsin-Madison*

Session Organizer:

**Jaipreet Viridi**, University of Victoria

Chair:

**Hilary Buxton**, Kenyon College

#### 288. HSS Prize Ceremony & Sarton Medalist Address

Plenary Session

6:15 pm to 7:15 pm, Tuesday, 14 July

EICC: Floor, Level 3 - Fintry Auditorium

**289. ESHS Presidential Lecture: Seeking  
Common Ground: Histories of the Sciences in  
Divisive Times**

Plenary Session

*6:15 pm to 7:00 pm, Tuesday, 14 July*

*EICC: Floor, Level 3 - Sidlaw Auditorium*

Presenter:

***Kärin Nickelsen***, LMU Munich

Chair:

***Simone Turchetti***, University of Manchester

**290. National Museum of Scotland Relaxed Visit  
and Curator Talks**

Reception

*7:30 pm to 8:15 pm, Tuesday, 14 July*

*National Museum of Scotland: Grand Gallery*

**291. ESHS/HSS Reception and Cèilidh at The  
National Museum of Scotland**

Reception

*8:15 pm to 11:00 pm, Tuesday, 14 July*

*National Museum of Scotland: Grand Gallery*



CENTER FOR HUMANITIES AND THE HISTORY OF MODERN BIOLOGY

Funding Opportunities
Cold Spring Harbor, New York

SYDNEY BRENNER RESEARCH FELLOWSHIP

Annual awards up to \$5,000 support research and publication of original work in the history of the life sciences. CSHL Archive collections should be included in the research project. Funds available for early-career and senior scholars. Application deadline is September 30, 2026 for the 2026-2027 award.

RESEARCH TRAVEL GRANT

Awards up to \$1,000 in travel and lodging expenses for onsite use of the CSHL Archives. Applications may be submitted at any time, and are considered on an ongoing basis.

APS/CSHL UNDERGRADUATE SUMMER INTERNSHIP

The American Philosophical Society and Cold Spring Harbor Laboratory are offering a joint eight-week hybrid summer internship for undergraduates researching the history of the life sciences. One student will receive funding to conduct archival research at both institutions, with mentorship and networking opportunities. Applications are due February 1, 2027.

For more details, application instructions, and other funding opportunities, visit our website:

https://www.cshl.edu/education/center-for-humanities/grants-fellowships/



CSHL Archives' strengths include: molecular biology, genetics, genomics, medicine, plant sciences and agriculture, environmental sciences, human sciences, eugenics, patronage and funding, biotechnology, intellectual property, higher education, chemical and biological weapons disarmament, and the institutional history of CSHL (1962-present), the Carnegie Institution departments of experimental evolution and genetics (1904-1962), the Eugenics Record Office (1910-1939), the Brooklyn Institute of Arts and Sciences biological laboratory (1890-1924), and the Long Island Biological Association biological laboratory (1924-1962).



L to R: Martha Chase & Alfred Hershey at 1953 CSH Symposium; James D. Watson presents structure of DNA for 1st time at 1953 CSH Symposium; Barbara McClintock in her cornfield, 1953; Pre-Human Genome Project Banbury Meeting, 1989; Sydney Brenner in the lab, Kyoto, Japan, 1990; George Shull's cornfield behind the Main Building (Carnegie Library), ca.1910

CSHL Archives houses the extensive personal collections of

- Sydney Brenner, Francis Crick, Hugo Fricke, Walter Gilbert, Carol Greider, Tom Maniatis, Barbara McClintock, Matthew Meselson, Hermann J. Muller, Robert Waterston, James D. Watson, Charles Weissmann, Evelyn Witkin and more...

Many collections are digitized and available online. Visit us at: https://www.cshl.edu/archives/



Email: archives@cshl.edu



@CSHLArchives

## WEDNESDAY, JULY, 15

### 292. Registration Day 4

Organized Session

8:00 am to 6:00 pm, Wednesday, 15 July

EICC: Floor, Ground - Strathblane Hall

### 293. Exhibit Hall Day 3

Organized Session

9:00 am to 5:00 pm, Wednesday, 15 July

EICC: Floor, Ground - Strathblane Hall

### 294. The Science and Medicine of Habits I: Habits, the Body and Space

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

Edinburgh Futures Institute: 1.50

Participants:

**Delicious Victuals: Rats & Race in Hans Sloane's Theory of Digestion** *Jacob Myers, Max Planck Institute for the History of Science*

**The body of the Nation: hygiene and daily practices in unified Italy** *Elena Badanai, University of Pisa*

**Foods that Sicken, Foods that Heal: Exploring Colonial Narratives of Food and Illness in the Early Modern Mariana Islands (Northwestern Pacific)** *Matilde Carbajo, Universitat Pompeu Fabra; Verónica Peña Filiu, Independent Scholar*

**Bad Habits and Dancing Queens: Ambiguous Sex and Changing Bodies in Baroque Spain** *Mónica Morado Vázquez, European University Institute*

Session Organizer:

**Kristin Hussey**, Newcastle University

Chair:

**Racha Kirakosian**, Albert-Ludwigs-Universität Freiburg

### 295. Histories of Archaeology 1

Contributed Paper Session

9:15 am to 10:45 am, Wednesday, 15 July

Edinburgh Futures Institute: 1.52

Participants:

**Depth of Field: How Excavation Became Science among Victorian Biblical Archaeologists** *Faridah Laffan, Cornell University*

**A Name for Things: Terminologies, Debates and Retrospective Narratives on the Question of the Transition between the Palaeolithic and the Neolithic in French Metropolitan Prehistory (1870-1890)** *Caroline Bousquet, Muséum National d'Histoire Naturelle (France)*

**The History of Archaeology on the Margins: Knowledge-Making and Boundary Objects in Fin-de-Siècle Europe** *Anna Charlotta Gustavsson, Gothenburg University*

**The "Istrian Society of Archaeology and Homeland History", 1884-1920s: Nationalist or Transnational Science?** *Maximilian Georg, Austrian Academy of Sciences*

Chair:

**Suzanne Moon**, University of Oklahoma

### 296. DH in the History of Premodern Sciences 1

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

Edinburgh Futures Institute: 1.55

Participants:

**Toward Computational Methods for the History of Science** *Osama Eshera, University of Maryland*

**Digitizing Geographical Data in Tabular Form: Examples from Abū al-Fidā's Taqwīm al-buldān** *Fateme Savadi*

**Using Dabīrān in Analyzing Medieval Astronomical Tables: The Case of Zij-i Īlkhānī** *Sajjad Nikfahm-Khubravan*

Chair:

**Sonja Brentjes**, University Wuppertal

### 297. Imperial Instruments: Tools for Astronomy and Mathematics in China from Song to Qing

Organized Session

9:15 am to 10:45 am

Edinburgh Futures Institute: 1.60

Participants:

**New instruments for new astronomy: the**

**reform movement in early 17th century  
China** *Christopher Cullen, Needham  
Research Institute & Darwin College,  
Cambridge*

**Who Could Make and Use Mathematical and  
Astronomical Instruments? Evidence  
from the Late Kangxi Period (1662-1722)**  
*Catherine Jami, CNRS*

Session Organizer:

**Catherine Jami**, CNRS

Chair:

**Matthieu Husson**

**298. Mediating Knowledge: Self(re)presentation  
of a European Scholar Across Political  
Regimes**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July  
*Edinburgh Futures Institute: 2.20*

Participants:

**Self(re)presentation of Alois Musil and his  
female „Secretary“** *Anna Blechová Adela  
Junova Mackova, Masaryk Institute and  
Archives of the Czech Academy of Sciences*

**Marie Curie Sklodowska's visit to  
Czechoslovakia in 1925 through the  
media** *Milada Sekyrkova, Institute of the  
History and Archive of Charles University,  
Czech Republic*

**“Physician of Kings – King of Physicians”  
Constructing, Self(re)presenting and  
Media-Marketing: The International Image  
of the Austrian Internist Karl Fellingner  
across Political Systems** *Felicitas  
Seebacher, Kommission für Geschichte und  
Philosophie der Wissenschaften der ÖAdW*

Session Organizer:

**Adela Junova Mackova**, Masaryk Institute and  
Archives of the Czech Academy of Sciences

Chair:

**Željko Oset**, Alma Mater Europea, Maribor,  
Slovenia

**299. New Perspectives on Collaboration in  
Science 1**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July  
*Edinburgh Futures Institute: 2.35*

Participants:

**Of Comets, Planets, and the Formation of a  
Collaborative Consciousness** *Luca  
Guzzardi, University of Milan*

**Conceiving Light: Linking the Life Sciences  
with Quantum Mechanics in 1920s  
Copenhagen** *Mor Lumbroso, Utrecht  
University*

**The Epistemological Fruitfulness of  
Collaboration in the Medical Sciences**  
*Pierre-Luc L'HERMITE, IRPHIL*

**Science, Collaboration... and Anarchy!  
(France, early 20th)** *Mathieu Florian,  
Sorbonne Université*

Session Organizers:

**Luca Guzzardi**, University of Milan

**Deias Dalia**, SPH Laboratory, University of  
Bordeaux Montaigne

Chair:

**Stefano Furlan**, Utrecht University

**300. Pluralizing the Heritage: Ancient Authors  
Between Transmission, Contestation, and  
Reinvention**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July  
*Edinburgh Futures Institute: 3.35*

Participants:

**Archimedes on the Beach: Reading ancient  
Mathematics and Constructing Intellectual  
Authority in Early Modern Europe** *E. A.  
Hunter, University of Chicago*

**Dotted Lines and the Reconceptualization  
of Quantity in Early Modern Editions of  
Euclid's Elements** *Mia Joskowicz, Tel-Aviv  
University - CNRS-SPHère Paris*

**Between Greek Tradition and Indo-Arabic  
Innovation: Reassessing Byzantine  
Algorithmic Culture** *Carole Hofstetter,  
SPHERE, CNRS, Université Paris Cité*

**Loud Manuscripts vs. Quiet Texts:  
Traditions of Euclid's Elements in the  
Post-Classical Islamicate World** *Julia  
Tomasson, Rice University*

Session Organizer:

**Carole Hofstetter**, SPHERE, CNRS,  
Université Paris Cité

Chairs:

**Carole Hofstetter**, SPHERE, CNRS,

Université Paris Cité

**E. A. Hunter**, University of Chicago

Commentators:

**Julia Tomasson**, Rice University

**E. A. Hunter**, University of Chicago

**Mia Joskowicz**, Tel-Aviv University -

CNRS-SPHère Paris

**Carole Hofstetter**, SPHERE, CNRS,

Université Paris Cité

### 301. Collection Stories and Indo-Pacific worlds

1

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

National Museum of Scotland: Auditorium

Participants:

**Shifting Empires, Changing Landscapes, and a “Dagnet” Collection of Malaysian Viral Worlds, 1940s to 1970s** *Jack Greatrex, Singapore Management University*

**Where Land and Sea Meets: Imperial Science and the Making of a Zamboanga Environment, 1792–1888** *Felice Noelle Rodriguez, Universidad de Zamboanga*

**Entangled Organisms: Classificatory Challenges and Ecological Objects in Natural History Collections** *Elaine Ayers, Yale University*

**Lost Cylinders: Sound Recording, Physical Anthropology, and Ethnozoology in the Malay Peninsula, c. 1900** *Katherine Enright, University of Cambridge, University Museum of Zoology, Pacific Circle*

Session Organizer:

**Anthony D. Medrano**, Brown University

Chair:

**Janet Browne**, Harvard

### 302. Shifting Perspectives on Histories of Gravity and Mass 1

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Similitude and Scalar Gravity: Tolman's Principle and Nordström's Theory** *Mahmoud Jalloh, Caltech*

**The Viennese Approach to General**

**Relativity: A Philosophical Analysis of Guido Beck's Exposition in the 1929 Handbuch der Physik** *Alexandre Sampaio da Cruz, Brazilian Center for Research in Physics (CBPF); Rafael Velloso Luz, Unicamp*

**Deriving Gravity: 20th Century Machian Models and the Zitterbewegung Hypothesis** *Jonathan Emile Fay, University of Bristol*

Session Organizers:

**Jean-Philippe Martinez**, Max Planck Institute for Gravitational Physics (Albert Einstein Institute)

**Bernadette Lessel**, Uni Bonn

**Robert van Leeuwen**, University of Amsterdam

Chair:

**Jean-Philippe Martinez**, Max Planck Institute for Gravitational Physics (Albert Einstein Institute)

### 303. Health During and After the British Empire

Contributed Paper Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**The Celebrated Anti-Cholera Belt: A Global Account of a Forgotten Piece of Prophylactic Clothing** *Abena Dove Osseo-Asare, University of Texas at Austin*

**An informal Network of Public Health in Eastern India, 1900 to 1947: American Missionaries, Minority Women Doctors, and Maternal Health** *Akshita Hazarika, Binghamton University*

**Immunity and Inoculation: Yaws Between Medical Systems, 1920-1950** *Philippa Monk, University of Oxford*

**Afterlives of Partition: Decolonisation, Refugee Care, and the Reshaping of Public Health in Eastern India, 1947-1975** *Panchali Nath, Assam University, Silchar, India*

Chair:

**Gwen Kay**, SUNY Oswego

**304. Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 1**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Comparing the Mathematical texts of the Qin-Han periods in China: the Suanshu-shu, the Shu, and the Suan-shu**  
*Makoto Tamura, Osaka Sangyo University, Osaka, Japan*

**A Comprehensive Study of the Mathematical Book B on the Qin Bamboo Slips Preserved at Peking University (with Xia Qingzhuo 夏慶卓)**  
*Dahai Zou, Institute for History of Natural Sciences, Chinese Academy of Sciences*

**Early Chinese Mathematical Achievements Reflected in the Unearthed Arithmetical Books of the Qin and Han Dynasties**  
*Jingnan TAN, Jiangnan University, Wuhan, PRC*

**Édouard Chavannes: The Mystery of the Dunhuang Multiplication Table**  
*Joseph W Dauben, City University of New York*

Session Organizers:

**Joseph W Dauben**, City University of New York

**Dahai ZOU**, Institute for History of Natural Sciences, Chinese Academy of Sciences

Chair:

**Joseph W Dauben**, City University of New York

**305. Rewiring Humans 1: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**"Like a magnifying glass collecting rays of light": The first "International Conference on Information Processing" in Paris, 1959**  
*Ulf Hashagen, Deutsches Museum*

**A Science-Historical Analysis of the Development and Transformation of "Cybernetic Creatures", 1951–1980**  
*Jeannine Honig, Technical University of*

*Darmstadt*

**Feline Organisms, Digital Computers and the Human: Cybernetics and the included Excluded Dinah Pfau, Deutsches Museum**  
**Control and Communication in Living Cells. Engelbert Broda, biocybernetics and science communication**  
*Helen Piel*

Chairs:

**Magnus Rust**, University of Basel

**Rudolf Seising**, Deutsches Museum

**306. Histories of Habitability**

Roundtable

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 3 - Fintry Auditorium

Session Organizer:

**Adrian Howkins**

Chair:

**Patrick McCray**, University of California, Santa Barbara

Participants:

**Matthew Shindell**, Smithsonian National Air and Space Museum

**Dawna Schuld**

**James Wynn**, Carnegie Mellon University

**Emma Johanna Puranen**, Open University

**307. Local Practices, Contested Knowledge: Making Animal Sciences in Rural Europe (17th-19th Centuries)**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Chasing Wild Animals: Hunting, Knowledge and Social Hierarchies in the State of Milan (17th-18th Centuries)**  
*Matilde Cassano, University of Verona*

**Caring for Animals: Farmers, Farriers and Veterinarians in the Making of Scientific Animal Husbandry in Bologna (18th-19th Centuries)**  
*Miriam Borgia, University of Bologna/EHESS-CRH*

**Development of Animal Breeding Techniques in Duchy of Carniola**  
*Tadej Pavković, University of Ljubljana*

Session Organizer:

**Miriam Borgia**, University of

Bologna/EHESS-CRH

Chair:

**Jens Amborg**, University of Uppsala

**308. Science and Spiritualism: Current Perspectives and Future Directions**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Sensationalising Spiritualist Fraud: E. Ray Lankester's Alleged Exposure of Henry Slade in the Victorian Press** *Efram Sera-Shriar, University of Copenhagen*

**Science, Spiritualism, and Victorian Art: Evelyn De Morgan's (Meta)Physics** *Emma Merklng, University of Manchester*

**Scriptotherapy and Spiritualism: Narrativizing Maternal Grief in the Late Nineteenth Century** *Emily Vincent, Durham University*

**Spectacles and Spectres: The Experimental Spirit in Victorian Scientific Culture** *Iwan Morus, Aberystwyth University*

Session Organizer:

**Efram Sera-Shriar**, University of Copenhagen

Chair:

**Bernard Lightman**, York University

**309. Chinese Visual Epistemic Technologies 1 (In honor of Francesca Bray)**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Visualizing Historical Time: Graphic Devices and the Transmission of Historical Knowledge in Early Chinese Commercial Printing, 12th–17th Centuries** *Ren-Yuan Li, Institute of History and Philology, Academia Sinica*

**Circulations of Qi and the Operations of Time: A Genealogical Study of Climatic-Cycle Diagrams in the Ming and Qing** *Mengmeng Sun, University of the Chinese Academy of Sciences (UCAS)*

**Embryology, Cosmology, Epistemology: Visual Depictions of The Fetus in and**

**Beyond Chinese Daily-Use Handbooks**

*Joan Judge*

**Visual Vocabularies of "Maintenance" in Republican China** *Monica Klasing-Chen, Heidelberg University*

Session Organizer:

**Marta Eileen Hanson**,  
Friedrich-Alexander-Universität  
Erlangen-Nürnberg

Chair:

**Shih-Pei Chen**, Max Planck Institute for the  
History of Science

**310. Nuclear History as Global History: Current Debates and New Perspectives 1**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**The Global Formation of Nuclear Engineering Education (1950-1980)** *Siegfried Evens, Katholieke Universiteit Leuven*

**Nuclear data and the global nuclear order: the techno-politics of IGO information networks** *Matthew Adamson, McDaniel College, Budapest*

**The global nuclear order as imperial formation** *John Krige, Georgia Institute of Technology*

Session Organizer:

**Matthew Adamson**, McDaniel College,  
Budapest

Chair:

**Nestor Herran**, Sorbonne University

**311. Constructing the Monstrous Body in Early Modern Europe 1**

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**This Strange and Monstrous Embryon Borne:" Parasitic Pathologies and Professionalizing Post-Mortems in Seventeenth-Century England** *Katherine Burstein, University of Cambridge*

**The Hereditary Giant: Height, Human**

**Improvement, and the Making of Extraordinary Bodies in the Long Eighteenth Century** *Sandra Anna Liwanowska, University of Cambridge*

Session Organizers:

**Sandra Anna Liwanowska**, University of Cambridge  
**Juliana Beykirch**

Chair:

**Juliana Beykirch**

### 312. Minescapes 1: What is a “Minescape”?

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**What is a Minescape?** *Pamela H. Smith, Columbia University; Tina Asmussen, Ruhr University Bochum / German Mining Museum Bochum*

**‘May God protect me on my way... and no cloud or bad weather poison me’:  
Religion, Bodies and the Minescape in Northern European Mines (c.1600-1700)**  
*Amelia Hutchinson, German Mining Museum Bochum*

**“The parts of the World known to contain Diamonds”:  
the Science and Politics of Minescapes in Early Modern Southeast Asia**  
*Claire Conklin Sabel, University of Vienna*

Session Organizers:

**Tina Asmussen**, Ruhr University Bochum / German Mining Museum Bochum  
**Pamela H. Smith**, Columbia University

Chair:

**Sebastian Felten**, Universität Wien, Institut für Geschichte

### 313. Diagrammatic Computations and Their Symbolic Aspects (I)

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**Diagrammatizing computations in Chinese and Arabic sources: From decimal place-value numeration systems to**

**place-value notations for polynomials**

*Karine C. C. Chemla, University of Edinburgh and SPHERE, CNRS-UPC*

**From Zhu Shijie to Seki Takakazu: transforming the calculating-rod notation into the side-writing notation** *Stephen HUNG, SPHERE-CNRS, Université Paris Cité*

Session Organizers:

**Zehra Bilgin**, University of Edinburgh & Istanbul Medeniyet University  
**Alex Garnick**, Harvard University

Chair:

**Célestin Xiaohan ZHOU**, The Institute for the History of Natural Sciences, Chinese Academy of Sciences

### 314. Crafts of Microbes: Women and Gender from Antibiotics to Genetic Engineering and the Microbiome

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Dispatches from the Other: Proto-Immunology, Microbiome Science, and the Epistolary Life of Biology** *Andrea Núñez Casal, CSIC, Spain*

**Between genes, gender, and microbes: women scientists in genetic engineering in Mexico during the 1980s and the case of the first genetic sequencing** *Marco Ornelas-Cruces, Universidad Nacional Autónoma de México; Ana Barahona, Universidad Nacional Autónoma de México*

**Antimicrobial resistance: A reflection of gender structures** *Elodie Rosanne Santiago, University of the Basque Country*

**Asexual discrimination: A case history in why the lack of interdisciplinary communication can hinder scientific progress** *Neeraja Sankaran, Ahmedabad University*

Session Organizer:

**Maria J Santesmases**, CSIC, Spain

Chair:

**Angela Creager**, Princeton University

### 315. HPS Across Borders

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Lowther

Participants:

**Extending Integrated HPS through New and Old Controversies** *Jonathan Kuo, Johns Hopkins School of Medicine*

**The advocacy coalitions promoting university education in Systems Analysis, Informatics, and Computing (ASIC) in Argentina between 1963 and 1986: An approach from history and political science** *Camila Zeballos Lerte*

**Virtue, The Missing Puzzle Piece in Ethics and History and Philosophy of Science?** *Joseph Zishang Yue, University of Oxford*

Chair:

**Marlis Hinckley**, University of Notre Dame

### 316. Andean Sciences Untranslated

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Menteith

Participants:

**Geographical knowledge and the more-than-human lived landscapes of Huarochirí, late-16th-century Peru** *Bruno Stori, Pennsylvania State University*

**Peru Writes to London: Andean Epistemes and the Making of a Transatlantic Science of the Dead** *Christopher Heaney, Pennsylvania State University*

**Natural History in Translation: Alcide d'Orbigny and Bolivia's First International Students in France, 1833** *Marcia Stephenson, Purdue University*

**Horseshoes in Science: The Role of Equine Veterinary in the Configuration of Scientific Thought in the Andes** *Laura Helena Arraya Pareja, FLACSO ECUADOR*

Chair:

**Christopher Heaney**, Pennsylvania State University

### 317. Biology's 20th Century Evolution: From Genetics to AI

Contributed Paper Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 2 - Moffat

Participants:

**Mice, Marx, and the Machine: 'Communist' Donald Michie's Journey to Artificial Intelligence via Genetics** *Aswin Valsala Narayanan*

**The International HapMap Project and the Birth of the Genome-Wide Association Era** *Matthew Tontonoz, Arizona State University*

Chair:

**Daniel Liu**, University of Illinois Urbana-Champaign

### 318. The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 1

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Mining the Nation: Mining, Visual Knowledge, and Nation Building in the 19th Century** *Maddalena Napolitani, Museo Galileo*

**Italian Geology and the Geology of Italy: Earth Sciences and Nation-Building in Nineteenth- and Twentieth-Century Italy** *Zoe Lauri, Museo Galileo*

Session Organizer:

**Valentina Roberti**, University of Catania

Chair:

**Ezio Vaccari**, University of Insubria, Varese, Italy

Commentator:

**Ezio Vaccari**, University of Insubria, Varese, Italy

### 319. New Perspectives on Science in the Enlightenment

Contributed Paper Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Thus was Closed the Cycle: Toward a Critical Edition of Vallisneri's <i>Lecture on Springs</i>** *Francesco Luzzini, University of Eastern Piedmont*

**'A Meer Play-Thing, a Matter of Amusement and Fancy Only': The Scientific Value of Play in Eighteenth-Century Microscopy** *Emily Ruth Whittingham, University of York*

**"Weltweisheit": 18th Century German Popular Philosophy as a Special Case in the History of Sciences** *Friederike Frenzel*

**A Laboratory of Enlightenment: Translation and Circulation of Medical Knowledge in Eighteenth-Century Tuscany** *Alessia Castagnino, University of Firenze, Italy*

### 320. Utopian and Dystopian Sciences

Contributed Paper Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Syzigias y Quadraturas Lunares: Science Fiction in Eighteenth-Century Mexico** *RA Kashanipour, University of Arizona*

**Constructing the Gernsback Continuum** *Matthew Lavine, Mississippi State University*

**Science to the Rescue! "Pessimist Techno-Optimism" and the End of Self-Management Socialism** *Vedran Duancic, Alpen-Adria-Universität Klagenfurt*

**The Ape Aquatic: Scientific Diving, Contested Narratives of Human Evolution, and Environmental Futures, 1960-1969** *Elexis Trinity Williams, Cornell University*

Chair:

**Doubravka Olsakova**, Charles University

### 321. Experimentation and Discovery

Contributed Paper Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Models by Necessity: Dogs and Animal Experiments in Seventeenth Century Science** *Guy Erez, New York University*

**Too Corny? How Ridicule, Redemption, and Reorientation Stemmed from the Exhibition of Experimental Maize and**

**Other Useful Crops at the Botanical Gardens/Museum of Christiania, Norway in the Nineteenth Century** *Solveig Marie Siem, University of Oslo*

Chair: **Nuala Caomhanach**, New York University/American Museum of Natural History

### 322. Radiation in Medical and Scientific Contexts in the 20th Century

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

EICC: Floor, Level 1 - Platform 5

Participants:

**Visible Radiation, Invisible Scientists: Kinoshita Suekichi and Ruchi Ram Sahni's Early Twentieth-Century Research on Nuclear Photographic Emulsions** *Amelia Bonea, University of Manchester*

**Alice Stewart, the Hanford Study, and low-level exposure to nuclear industry workers** *Sandra Klos, Austrian Academy of Sciences*

**Interdisciplinarity, Transculturality and Thought Compulsion - Experimental Medical Radium Research in Fin-de-Siècle Vienna** *Bernhard Leitner, Institute for Ethics, Collections and History of Medicine, Medical University of Vienna*

**Physical Rays in Early Radiology: The Example of the Finsen Light Institute in Copenhagen from 1896 to 1931** *Aske Hennelund Nielsen*

Session Organizer:

**Aske Hennelund Nielsen**

Chair:

**Johannes Mattes**, German National Academy of Sciences Leopoldina

### 323. Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 1

Organized Session

9:15 am to 10:45 am, Wednesday, 15 July

National Museum of Scotland: Seminar Room

Participants:

**Replicating Brahe's quadrant: reproductions from the Special Loan**

**Collection for the South Kensington Museum** *Mary Clayton-Kastenholz, Warburg Institute*

**The Patent Museum, charismatic megafauna and the public history of technology** *Richard Dunn, Science Museum, London*

**Making the wheels go round: a long view of British engineers and 'applied mechanics' in the Special Loan Collection of 1876** *Ben Russell, Science Museum, London*

**The Special Loan Collection of Scientific Apparatus as a lens on the making of Italy's scientific heritage around 1876** *Paola Bernadette Di Lieto, University of Padua*

Session Organizer:  
**Timothy Boon**, UCL

Chair:  
**Charlotte Bigg**, CNRS

### 324. Expert Multiplicity and Scientific Authority in the Anthropocene

Roundtable  
9:15 am to 10:45 am, Wednesday, 15 July  
EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizers:  
**Lucas Mueller**, University of Geneva  
**Jessica Wang**, University of British Columbia

Chair:  
**Etienne Benson**, Max Planck Institute for the History of Science

Participants:  
**David Demortain**, French National Institute for Agriculture, Food, and Environment (INRAE)  
**Sabine Clarke**, University of York

### 325. Manipulating Biota, Engineering Healthscapes: Colonial Science & Medicine 1750-2000

Organized Session  
9:15 am to 10:45 am, Wednesday, 15 July  
EICC: Floor, Level 0 - Tinto Suite

Participants:  
**Toxic Forests and Poisoned Gardens: Selective forestry, poison suppression, and Maroon mapping in colonial Martinique** *Thomas C Anderson, Yale*

*University*

**Wild Cacao and Broken Branches: Disease, science and cacao agriculture in 20th century Trinidad** *Mika Hyman, University of Cambridge*

**'Man's Best Friend in Leprosy Research': The armadillo, environmental extraction, and the discovery of a zoonosis** *Lauren Killingsworth, Yale University*

Session Organizer:  
**Thomas C Anderson**, Yale University

Chair:  
**Andrea Rusnock**

Commentator:  
**Andrea Rusnock**

### 326. Science and Empire in the Anthropocene: Towards an Environmental Shift 2 - Making Imperial Worlds

Organized Session  
11:00 am to 12:30 pm, Wednesday, 15 July  
Edinburgh Futures Institute: 1.40

Participants:  
**Landscapes of Difference: Natural History and the Shaping of Colonial Stereotypes** *Catarina Simões, Universidade NOVA de Lisboa*  
**Cotton, Botany and Empire: Tracing botanical sciences in the archive of the first industrial city** *Arianna Tozzi*  
**Collecting the empire. Natural history collections as committed colonial practice** *Catarina Marques Madruga, Technische Universität Berlin*  
**Empires of time and weather in Brazil: keeping time, predicting weather, and being contested by the public** *Sabina Ferreira Alexandre Luz*  
**Plantations reconfigured: from empire's monocrop to contemporary pop-up polytunnels** *Cristiana Bastos, Universidade de Lisboa*

Session Organizers:  
**Matheus Alves Duarte da Silva**, King's College London  
**Sabina Ferreira Alexandre Luz**

Chair:  
**Anderson Antunes**, University of Évora

**327. The Science and Medicine of Habits II: Habits, The Body and Health**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.50

Participants:

**The Art of Resting: Bacon, Experiments, and the Limits of Human Control** *Crignon Elise Claire, Université de Lorraine Archives Henri Poincaré*

**Habit as clothing: Transforming the body between psychology and consumerism, 1870s-1910s** *Chiara Lacroix, European University Institute*

**'Getting warmed up for the day': Nathaniel Kleitman, body temperature and the public understanding of sleep/wake 'habits' in mid-20th century America** *Kristin Hussey, Newcastle University*

**Bodily Rhythms at the Interface of Instinct and Control** *Janka Kormos, University of Pecs, Hungary*

Session Organizer:

**Kristin Hussey**, Newcastle University

Chair:

**Alexander Wragge-Morley**, Lancaster University

**328. Histories of Archaeology 2**

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.52

Participants:

**Metaphor and Method in Colonial Archaeology** *Felix Lüttge, German Historical Institute London*

**Clash of Communist and Culture-Historical Archaeologists' History of Humans** *Kate Mower, University of Utah*

**The Epistemic Life of a Tooth: Excavation, War, and Deep-Time Claims in Ukraine, 1954-2025** *Chiara di Leone, UCLA; Maksym Rokhmaniiko, Sci-Arc*

**Buried in the Past? Radiocarbon and the Chronopolitics of Soviet Archaeology** *Anna Paola Passerini, Norwegian University of Science and Technology*

Chair:

**Sayori Ghoshal**, Max Planck Institute for the History of Science

**329. DH in the History of Premodern Sciences 2**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.55

Participants:

**The Multiplicity of Medieval Editions: Digital Approaches to the "Middle Books" of Astronomy** *Christine M. Roughan, Princeton University*

**Building a computer vision pipeline for historical sources: the EIDA project and the automation of astral diagram edition** *Somkeo Norindr, CNRS-Observatoire de Paris*

**How to Grasp the Digital Revolution? Perspectives from the History of Digital Medieval History** *Edgar Lejeune*

Session Organizer:

**Sonja Brentjes**, University Wuppertal

Chair:

**Fateme Savadi**

**330. Genealogies of Learning and Communities of Practice: New Perspectives on Early Modern Knowledge**

Roundtable

11:00 am to 12:30 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.60

Session Organizers:

**Elaine Leong**, University College London  
**Tillmann Taape**

Chair:

**Maria Pia Donato**, CNRS/IHMC, Paris

Participants:

**Tillmann Taape**  
**Holly Fletcher**, UCL  
**Jack Hartnell**, National Gallery, London  
**Simon Werrett**, University College London

**331. Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes 2**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

Edinburgh Futures Institute: 2.20

Participants:

**Claiming the Professional Frame: Lucie Ranvier-Chartier's Gendered Strategies of Artistic Self-Representation (1890–1932)**

*Mary Kelly, University College Cork, Ireland*

**Archaeologists in the Midst of Crime...**

**Popularizing Archaeology through Films and detective Novels** *Marcela Starcova, Institute of Archaeology of the Czech Academy of Sciences, Prague, Czech republic*

**Advertising Science in Leaflets** *Danuta*

*Ciesielska, Institute for the History of Science Polish Academy of Sciences, Warsaw, Poland*

**Czech Female Scientists as Fashion Consumers in the Early 20th Century**

*Andrea Veverkova, Institute of the History and Archive of Charles University, Prague*

Session Organizer:

**Adela Junova Mackova**, Masaryk Institute and Archives of the Czech Academy of Sciences

Chair:

**Adela Junova Mackova**, Masaryk Institute and Archives of the Czech Academy of Sciences

**332. New Perspectives on Collaboration in Science 2**

Organized Session

*11:00 am to 12:30 pm, Wednesday, 15 July  
Edinburgh Futures Institute: 2.35*

Participants:

Epistemic Constraints and Observatory Sciences. Forms of Collaboration within Real and Ideal Observatories (17th-18th Centuries) *Deias Dalia, SPH Laboratory, University of Bordeaux Montaigne*

**New Perspectives on the History of the CERN Laboratory: The 1980s** *Barbara Hof, University of Lausanne*

**International Cooperation at the Time of the Human Genome Project (1987–1992)** *Raphaël Lavie, Sorbonne Université*

Session Organizers:

**Deias Dalia**, SPH Laboratory, University of Bordeaux Montaigne

**Luca Guzzardi**, University of Milan

Chair:

**Luís Carolino**, ISCTE-Instituto Universitário de Lisboa, CIES

**333. Plural Worlds of Care: Transnational Exchanges and Contested Professional Boundaries in Nursing and Rehabilitation**

Organized Session

*11:00 am to 12:30 pm, Wednesday, 15 July  
Edinburgh Futures Institute: 3.35*

Participants:

**The Development of Western Nursing Profession in Colonial Hong Kong** *Law Yuen Han, Hong Kong Baptist University*

**On the Eve of the Stroke Unit: Rehabilitation Practices, Nursing Authority, and the Transnational Reconfiguration of Modern Stroke Care, 1945-1995** *Xiaoxue Zhao, Peking University*

Session Organizer:

**Xiaoxue Zhao**, Peking University

Chair:

**Cheng Zhen**, Peking University

**334. Collection Stories and Indo-Pacific worlds 2**

Organized Session

*11:00 am to 12:30 pm, Wednesday, 15 July  
National Museum of Scotland: Auditorium*

Participants:

**Mobilizing Refusal to Save What is Left—Njavara** *Xan Chacko, Brown University*

**From Tupi Wine to Indian Ocean Spirits: Botanical Knowledge Across the Oceans** *Kathleen Burke, Instituto Ciências Sociais, Lisbon*

**Pandanus-leaf textiles and their material ontologies in late nineteenth-century Vanuatu** *Adèle Miranda Wright, University of Cambridge, Hamilton Kerr Institute*

**The Love of Possession: H. Otley Beyer's Ethnographic Records** *Jonathan Victor Baldoza, Princeton University*

Session Organizer:

**Anthony D. Medrano**, Brown University

Chair:

**Fiona Williamson**, College of Integrative Studies, Singapore Management University

**335. Shifting Perspectives on Histories of Gravity and Mass 2**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**On Textbooks and their Contexts during the Renaissance of General Relativity**

*Bernadette Lessel, Uni Bonn*

**Patchwork Gravity: From Geometric Unity to Methodological Pluralism**

*Shelly Yiran Shi, UC San Diego*

**Embracing Methodological Pluralism:**

**Waveform Modeling in Pursuit of**

**Gravitational Waves**

*Jean-Philippe Martinez, Max Planck Institute for*

*Gravitational Physics (Albert Einstein*

*Institute)*

Session Organizers:

**Jean-Philippe Martinez**, Max Planck Institute for Gravitational Physics (Albert Einstein Institute)

**Bernadette Lessel**, Uni Bonn

**Robert van Leeuwen**, University of Amsterdam

Chair:

**Robert van Leeuwen**, University of Amsterdam

**336. Disability's Conscription in British History**

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**'Maimed Soldier, Entitled to Charitable Treatment': Disability Pensions for the Seventeenth-Century English Army**

*Annastasia Conner, University of Chicago*

**Contested Identities? Intellectual Disabilities and Conscription in First World War England**

*Laura Ugolini,*

*University of Wolverhampton*

**Designing Prosthetics of Productivity:**

**Disabled Ex-servicemen, Scientific**

**Management, and the British Post Office,**

**1918-1921**

*Lucy Anne Jameson*

**Technological Embodiment: Examining**

**Experiences of Calliper Usage Among**

**British Polio-Disabled Individuals,**

**1950-2025**

*Charlotte Stobart, University of Cambridge*

Chair:

**Kat Poje**, New York University

**337. New Insights in Modern Science**

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Radiant Anxieties: Debates and Affects around X-rays from the Ottoman Empire to Republican Turkey**

*Meric Tanik,*

*University of Warwick*

**The Wavelength of Light as Thomas Young Invented It**

*Olivier Morizot, Aix-Marseille*

*Université*

**The Strange Death of Newtonian Natural Philosophy in 1750s Edinburgh**

*Lewis Ashman*

**338. Rewiring Humans 2: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Cybernetician Gordon Pask and His Conversation Theory & Interaction of Actor's Theory As Critique of Artificial Intelligence**

*Marcus J. Carney*

**Not So Automated Psychotherapy.**

**Psycho-Scientists Test Computers in the**

**1960s**

*Magnus Rust, University of Basel*

**Artificial Intelligence Philosophy: From Kenneth Sayre's Mental Simulation To Leo Breiman's Algorithmic Modeling**

*Rudolf Seising, Deutsches Museum*

Chairs:

**Magnus Rust**, University of Basel

**Rudolf Seising**, Deutsches Museum

**339. History of Science After Gaza: From Complicity to Accountability?**

Roundtable

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 3 - Fintry Auditorium

Session Organizers:

**Jesse Olszynko-Gryn**, MPIWG

**Abigail Alling Taylor-Roth**, University of Chicago

**Petter Hellström**, Uppsala University

Chair:

**Minakshi Menon**, McGill University

Participants:

**Dana Nabulsi**, Harvard University

**Layth Hanbali**, Université Libre de Bruxelles

**Chris Sandal-Wilson**, University of Exeter

**Sal Suri**, Harvard University

**Lydia Wilson**, University of Cambridge

**340. Hidden Botanical Cultures: Networks, Gender, and Exile in the Making of Botany in the Italian Peninsula (18th-20th centuries) | Sponsored by the Italian Society for the History of Science (SISS)**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Distant empiricism: Exile, local knowledge, and Chilean plants in Enlightenment Bologna** *Morgana Lisi, University of Turin*

**Exchanging knowledge and materials across Europe: The network of an Italian botanist between the eighteenth and nineteenth centuries** *Martino Lorenzo Fagnani, University of Pavia*

**'Nudar di Poesia le venerande mura': Elisabetta Fiorini Mazzanti and the defense of the Colosseum's flora (1870-1878)** *Federica Favino, La Sapienza University*

**Cultivating knowledge: 'Il Giardino Fiorito' and women's contributions to botanical worlds in the twentieth century** *Federica Bonacini, Roma Tre University*

Session Organizers:

**Morgana Lisi**, University of Turin

**Federica Bonacini**, Roma Tre University

Chair:

**Elena Canadelli**, University of Padova

**341. Shaping Nature 1: Agriculture and Forestry 20th C**

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Cultivating the Collective: Agricultural Science and Identity in Israel** *Ethan Cowan*

**"To Build the Environment": The Sociotechnical Imaginary Behind Chinese Afforestation Law and Policy, 1979-1989** *Biyuan Hu, Harvard Law School*

**Planetary Forests, c. 1950-1990: Forestry Sciences, Satellite Remote Sensing and Environmental Governance in the International Arena** *Tomás Bartoletti, ETH Zürich*

Chair:

**Emil Flato**, Center for Anthropocene History, KTH Royal School of Technology

**342. Chinese Visual Epistemic Technologies 2 (In honor of Francesca Bray)**

Organized Session

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**"Hand as Diagram: Ritual Healing and Prognosticating in Medieval Chinese Medicine"** *Marta Eileen Hanson, Friedrich-Alexander-Universität Erlangen-Nürnberg*

**"Standardizing Medicine: Illustrations in Medical Treatises during the Northern Song Dynasty (960-1127)"** *Asaf Goldschmidt, Tel Aviv University*

**"Visualization and the Ways of Looking: The Functions of Tu (Images) and Xing (Form) in the External Medicine of 17th-century China"** *Ruixuan Du, Max Planck Institute for the History of Science, Department III*

**"Picturing Healing for Incurable Maladies in Late Imperial China"** *Andrew Schonebaum, University of Maryland, College Park*

Session Organizer:

**Marta Eileen Hanson**,

Friedrich-Alexander-Universität Erlangen-Nürnberg

Chair:  
**Lan A Li**, Johns Hopkins University

**Sandra Anna Liwanowska**, University of  
Cambridge

**343. Nuclear History as Global History: Current Debates and New Perspectives 2**

Organized Session  
11:00 am to 12:30 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Connecting Movements Across Continents: West-German Support for the Australian Anti-Uranium Struggle** *Astrid Mignon Kirchhof, Deutsches Museum*

**Contested Atoms: the Ao Phai Nuclear Power Project and Global Nuclear Modernity in Thailand** *Kwanchanok Kittiwanch, Chiang Mai University; Simone Turchetti, University of Manchester*

**Moral Nuclear Alchemy: Global Circuits and Transnational Resistance to the Greenwashing of Plutonium** *Nan Kim, University of Wisconsin-Milwaukee*

**Problem-solving the Nuclear Age** *Linda Richards, Oregon State University*

Session Organizer:

**Matthew Adamson**, McDaniel College,  
Budapest

Chair:

**Matthew Adamson**, McDaniel College,  
Budapest

**344. Constructing the Monstrous Body in Early Modern Europe 2**

Organized Session  
11:00 am to 12:30 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Reason and Wonder: Enlightenment 'Monsters' between the Royal Society and the London Fairgrounds** *Juliana Beykirch*

**Gender assignment and reassignment from 1650 to 1800** *Pollyanna Alice Chamberlain, University of Cambridge*

Session Organizers:

**Sandra Anna Liwanowska**, University of  
Cambridge  
**Juliana Beykirch**

Chair:

**345. Minescapes 2: Mining for Blue**

Organized Session  
11:00 am to 12:30 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lennox 1

Participants:

**Making Blue: Cobalt Technologies and Knowledge Transfer Across Eurasia** *Anthony T Quickel, Max Planck Institute for the History of Science*

**Mining and Painting: Re-evaluating the Presence of Azurite in Early Painted Works** *Barbara Hepburn Berrie, Emerita, Head of Scientific Research, Conservation Department, National Gallery of Art*

**Azurite in East Asia: The Quest for a Chinese "Treasure" and Its Medical and Artistic Uses in Korea** *Hyeok Hweon Kang, Washington University in St. Louis*

**Non-invasive Research into the Origins of Ceramic Raw Materials: a Challenge** *Philippe Colomban, Sorbonne Université*

Session Organizer:

**Anthony T Quickel**, Max Planck Institute for  
the History of Science

Chair:

**Pamela H. Smith**, Columbia University

**346. Diagrammatic Computations and Their Symbolic Aspects (II)**

Organized Session  
11:00 am to 12:30 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lennox 2

Participants:

**Two Perspectives, Two Interpretations: Sea Mirror in the Complete Library and in Li Rui's Edition** *Rui Yuan, SPHERE-Université Paris Cité*

**Writing around the Text: On the Forms and Functions of Peritextual Notations in Hisāb Manuscripts** *Alex Garnick, Harvard University*

**Dots: Pause in mind or mark by hand?** *Haolin Wang*

Session Organizers:

**Alex Garnick**, Harvard University

**Célestin Xiaohan ZHOU**, The Institute for the History of Natural Sciences, Chinese Academy of Sciences

Chair:

**Zehra Bilgin**, University of Edinburgh & Istanbul Medeniyet University

### 347. Polyvocal Transmissions of Knowledge in Psychiatry and Neurosurgery

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Transmitting Psychiatric Knowledge and Skill: Encounters between Students, Patients, and Teachers** *Tara H Abraham, University of Guelph*

**The Artist and the Neurosurgeon: Clinical Encounters and Knowledge Transmission at the Montreal Neurological Institute** *Delia Gavrus, University of Winnipeg*

**Wartime Head Injury and the Circulation of Neurosurgical Knowledge in the Work of Sir Hugh Cairns** *Samia Cherkaoui, McGill University*

Session Organizer:

**Tara H Abraham**, University of Guelph

Chair:

**Tara H Abraham**, University of Guelph

### 348. Lost in Translation? Science Wars from a Transnational Perspective

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Lowther

Participants:

**Science Wars between Postmodernism and Postsocialism: A View from East-Central Europe** *Martin Babička, Institute of Contemporary History of the Czech Academy of Sciences*

**Remembrance, Reunification, and Relativism. Situating the Science Wars in the German Post-Reunification Moment** *Meike Katzek, University of Erfurt*

**Scientists to the fore: writing the Science Wars** *Natacha Demoule, Université Paris-Cité - SPHere laboratory*

Session Organizers:

**Meike Katzek**, University of Erfurt

**Martin Babička**, Institute of Contemporary History of the Czech Academy of Sciences

**Natacha Demoule**, Université Paris-Cité - SPHere laboratory

Chair:

**Jan Golinski**, University of New Hampshire

### 349. Making Economies: Planning and Economic Knowledge, 1930 - 1980

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Menteith

Participants:

**Interwar Population Science and the "Right to Migrate": How Science and International Organizations Normalized Ethnic Cleansing as a Tool of Economic Development** *Malgorzata Mazurek, Columbia University*

**Cost Accounting and Economic Planning in Nazi Germany** *Max Ehrenfreund, Kenyon College*

**Creating 'African' economic subjects: Manpower development in Nigeria, 1960-1990** *Katharina Kreuder-Sonnen, University of Cologne*

Chair:

**Tom Stapleford**, University of Notre Dame

Commentator:

**Verena Halsmayer**, University of Vienna

### 350. Eugenics' Long History

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Moffat

Participants:

**Slow to Change: Insights into the British Psychological Society's Impact on Marginalised Communities** *Jack Duggan, University of Leicester*

**Ronald A. Fisher's Contributions to Parapsychology in Relation to his Eugenics** *kitt price, Queen Mary University, London UK*

Chair:

**Luc Berlivet**, French National Centre for

**351. The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 2**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Designing national energy and industrial development: the emergence of environmental geology** *Andrea Candela, University of Insubria*

**Geology, nation building and beyond: the Anthropocene and Man in the Holocene** *Ernie Hamm, York University*

**Geologic Timelines: Reconciling Complexities in the Catastrophist-Uniformitarianist Debate Through Nineteenth-Century American Landscape Paintings** *Jennifer Weiss, University of Arizona*

Session Organizer:

**Valentina Roberti**, University of Catania

Chair:

**Ezio Vaccari**, University of Insubria, Varese, Italy

Commentator:

**Ezio Vaccari**, University of Insubria, Varese, Italy

**352. Challenging Boundaries in the Enlightenment**

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**From Bencaogangmu to Historia naturalis Sinarum: Chinese Knowledge and Natural History in Hans Sloane's Collection** *Siqing SUN, Beijing Normal University and the University of Leeds*

**Stoic Themes in the Natural Philosophy of Margaret Cavendish, Duchess of Newcastle** *Peter Barker, University of Oklahoma*

Chair:

**Matthew L. Jones**, Princeton University

**353. Raw Materials: Mining, Extraction, and Health in the 20th and 21st Century**

Contributed Paper Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Empires of Exposure: Intersecting Epistemologies of Lead Poisoning and Spiritual Protection in Morocco** *Daniel Williford, University of Wisconsin-Madison*

**War Geology: The Long History of 'Critical Minerals' and Resource Nationalism in the United States** *Gustave Lester, KTH Royal Institute of Technology*

**Katwe Salt Contains Multitudes: Rumor and Speculation on Uganda's Mineral Frontier** *Emily Brownell, University of Edinburgh*

Chair:

**Sunny Chen**, University of California, Los Angeles

**354. Challenging Challenger: Legacies of the Scientific Circumnavigation 150 years Later**

Roundtable

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Pentland Auditorium

Session Organizer:

**Penelope Hardy**, University of Wisconsin-La Crosse

Chair:

**Penelope Hardy**, University of Wisconsin-La Crosse

Participants:

**Penelope Hardy**, University of Wisconsin-La Crosse

**Philip Pearson**, Independent Scholar

**Rebecca (Becky) Martin**, Pitt Rivers Museum, University of Oxford

**Gillen D'Arcy Wood**, University of Illinois, Urbana-Champaign

**Daisy Turnbull**

**355. Physiometry: Contesting the Arts of Bodily Measurement from Phrenology to Dermatoglyphics**

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Platform 5

Participants:

**The Arts of Measurement in George Combe's Correspondence** *Richard Oosterhoff, University of Edinburgh*

**Craniometry and the Construction of Anti-Popular Racial Science in Victorian Britain** *Elise Smith, University of Warwick*

**Dermatoglyphics in the Twentieth Century** *Michelle Bootcov, University of New South Wales, Sydney Australia*

Session Organizers:

**Rene Winkler**

**Richard Oosterhoff**, University of Edinburgh

Chair:

**Alison Bashford**, University of New South Wales

Commentator:

**Alison Bashford**, University of New South Wales

### 356. Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 2

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

National Museum of Scotland: Seminar Room

Participants:

**Is the Special Loan Collection the 'missing link' between the later leading science museums in Britain and Germany?** *Arne Schirrmacher, Humboldt University, Berlin*

**Composite museography and the rebuilding of postwar alliances: International collaborations between the Science Museum and the Palais de la Découverte** *Rosa Elba Camacho, CNRS-EHESS-MNHN, Paris*

**Tokens from 1876: digital methods for tracing the 1876 Special Loan Collection of Scientific Apparatus** *Daniel Belteki, Science Museum, London*

**Collaborations and Comparisons: international relations between science and technical museums over the longue durée** *Timothy Boon, UCL*

Session Organizer:

**Timothy Boon**, UCL

Chair:

**Graeme Gooday**, University of Leeds

### 357. Approaches to Teaching the Copernican Revolution

Roundtable

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizer:

**Aviva Rothman**, Case Western Reserve University

Chair:

**Robert Morrison**, Bowdoin College

Participants:

**Aviva Rothman**, Case Western Reserve University

**Todd Timberlake**, Berry College

**James Voelkel**, Science History Institute

**Chris Haufe**, Case Western Reserve University

### 358. The Long-longue Durée of Iberian Science and Medicine

Organized Session

11:00 am to 12:30 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Tinto Suite

Participants:

**Iberian Globalities Through Ṣā'īd al-Andalusī's Tabaqāt al-Umam** *Juan Bosco Garcia Rodriguez, University of California, San Diego*

**The Criminalization of Female Medical Practitioners During the Spanish and Mexican Inquisitions** *Katherine White, University of California, San Diego*

**Sanidad y Santidad: Medicalizing Motherhood in Nineteenth-Century Spain** *Mary Kate Wolken, University of Minnesota*

**Biopolitical Warfare: the Franco Dictatorship and Vaccine Hesitancy in Spain, 1955-1975** *Scott Lancaster, University of California, San Diego*

Session Organizer:

**Katherine White**, University of California, San Diego

Chair:

**Adam Warren**, University of Washington

**359. Science and Empire Commission**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
Edinburgh Futures Institute: 1.40

Chair:

**Sabina Ferreira Alexandre Luz**

**360. ESHS Institutional Representatives Meeting**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 1 - Harris Suite 1

Chair:

**Matthieu Husson**

**361. Forum for the History of Science in Asia Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lammermuir 1

Chairs:

**Sayori Ghoshal**, Max Planck Institute for the History of Science

**Hyeok Hweon Kang**, Washington University in St. Louis

**362. CALM Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lammermuir 2

Chairs:

**Adrianna Link**, American Philosophical Society

**Florencia Pierri**, MIT Museum

**Luis Felipe Eguarte Souza**, Pavek Museum

**Nathan Smith**, Amgueddfa Cymru—Museum Wales

**363. The Crisis of Science in the United States and Its Potential Global Impact: An Exchange with Mitchell G. Ash, John Krige and Kostas Tampakis**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lennox 1

Chairs:

**Mitchell G. Ash**, University of Vienna

**John Krige**, Georgia Institute of Technology

**Kostas Tampakis**, National Hellenic Research Foundation

**364. Early Sciences Forum Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 1 - Lowther

Chairs:

**Mackenzie Anne Cooley**, Hamilton College

**Patrícia Martins Marcos**, University of Oklahoma

**365. Earth and Environment Forum Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 1 - Menteith

**366. In Memory of Margaret Rossiter: Old and New Challenges. Meeting of the Commission on Women and Gender in History of Science, Technology and Medicine**

1:00 pm to 2:00 pm, Wednesday, 15 July  
EICC: Floor, Level 0 - Moorfoot Suite

Chair:

**Maria J Santesmases**, CSIC, Spain

**367. Science and Empire in the Anthropocene: Towards an Environmental Shift 3 - (Post)-Imperial Ecologies**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July  
Edinburgh Futures Institute: 1.40

Participants:

**The Imperial Epistemology of Fraser**

**Darling's 'Ecological Reconnaissance'**

*Lawrence Draitsas, University of Edinburgh*

**Between internal imperialism and**

**post-imperial crossroads: Rethinking**

**disease ecology within Brazilian rural**

**communities (1920-1950)** *Matheus Alves*

*Duarte da Silva, King's College London*

**A Mauritanian Anademic: Pasteurian**

**Science in the Search of Sylvatic Plague**

**at the (Post)Imperial Frontier** *Christos*

*Lynteris, University of St Andrews*

**Transnational Biopolitics in Laboratories:**

**Animals and Humans at Risk** *Deyanira*

*Cuanal Cano, Universidad Autónoma  
Metropolitana-Cuajimalpa*

Session Organizers:

**Sabina Ferreira Alexandre Luz**

**Matheus Alves Duarte da Silva**, King's  
College London

Chair:

**Jules Skotnes-Brown**, University of Liverpool

**368. The Science and Medicine of Habits III:  
Habits, the Body and Disorder**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.50

Participants:

**Habit, Disease, and Heredity in Europe,  
1750-1830** *Alexander Wragge-Morley,  
Lancaster University*

**'Something may be said in favour of those  
whom Disease hath brought to a Dog-like  
appetite': Medicalising excessive  
appetites in the seventeenth century**  
*Helena Constance Aeberli, University of  
Oxford*

**Do (Don't?) Make a Habit of It: Sex and Sin  
Circa 1300** *Racha Kirakosian,  
Albert-Ludwigs-Universität Freiburg; Philip  
Liston-Kraft*

**"Ten Steps from Patient to Person": The  
American Chronic Pain Association and  
the Habits of Self-Help** *Matthew Soleiman,  
University of California, San Diego*

Chair:

**Kristin Hussey**, Newcastle University

**369. Knowable and Unknowable Nature**

Contributed Paper Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.52

Participants:

**The Science of Sea Serpents in the  
Mid-Twentieth Century** *Peder Roberts,  
University of Oslo*

**Back to the (Amphibious) Future: Axolotl  
Potentialities between Mexican Science  
Fiction and Indigenous Storytelling** *Iris  
Montero, Brown University*

**Beavers and Social Progress: Exploring the**

**Relationship between 19th-Century  
Natural Science and Ethnography** *Sam  
Vydulinska, Northumbria University*

**The House of Daedalus: Worldbuilding with  
Animals and Automata in Late Medieval  
Theme Parks** *Sven Gins, University of  
Groningen*

Chair:

**Sophie Brockmann**, University College  
London

**370. Recasting the History of Almanacs 1**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.55

Participants:

**Almanacks as an Epistemic Tool:  
Negotiating Cosmological Knowledge  
through Text and Image in  
Seventeenth-Century England** *Barbara  
Bienias, Institute for the History of Science of  
the Polish Academy of Sciences*

**Written Lives in Printed Time: Rethinking  
the Use and Function of Almanacs in  
Early Modern Poland–Lithuania** *Jakub  
Ochocinski, EUI*

**Almanac production as a household  
enterprise in Early Modern Britain and  
Germany** *Isobel Falconer, University of St  
Andrews*

Session Organizers:

**Isobel Falconer**, University of St Andrews  
**Sergio Orozco-Echeverri**, Universidad de  
Antioquia / I Tatti, Harvard University

Chair:

**Michelle Pfeffer**, University of Oxford

**371. Boundaries and Hierarchies of Modern  
Medical Practice in Republican Beijing (1911 –  
1949)**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.60

Participants:

**The Unruly Profession: Veterinary Practice,  
Knowledge Hybridity, and the State in  
Republican Beijing** *Xiang Ji, Peking  
University*

**Is it fraud? Jingshen healing and the psychiatric trade in 1930s Beijing** *Fu Ge Yang, University of Cambridge*

**Improvising Modern Medicine: Urban Precarity and Social Workers at Peking Union Medical College (1921-1941)** *Yichen Zhao, Peking University*

Session Organizer:

**Yichen Zhao**, Peking University

Chair:

**Sean Hsiang-lin Lei**, Academia Sinica Taiwan

Commentator:

**Yubin Shen**, Tsinghua University

### **372. Self(re)presentation of a European Scholar Across Political Regimes 3**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 2.20

Participants:

**Self(re)presentations of Women Scholars in the late 1920s – Two special Examples**

*Annette B. Vogt, Humboldt University of Berlin, Germany*

**Sources of Visibility: How Archives,**

Photographs and Cultural Media Shape

Representations of Women Scientists

*Anne-Sophie Godfroy, Université Paris-Est Créteil*

Session Organizer:

**Adela Junova Mackova**, Masaryk Institute and Archives of the Czech Academy of Sciences

Chair:

**Milada Sekyrkova**, Institute of the History and Archive of Charles University, Czech Republic

### **373. Shifting Narratives in Space Science and Technology (1)**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 2.35

Participants:

**Data Wars: International Data Sharing (or not) in Meteorology, 1980s-1990s** *Gemma - Cirac-Claveras, Institut d'Història de la Ciència - UAB*

*Nicole Mikly Nicole Mikly, Universitat Autònoma de Barcelona*

**Beyond the “Chinese Space Threat”:  
Reading China’s Aerospace History  
through Indigenous Sources** *Lucie Sénéchal-Perrouault*

**Making more space for the Market: SPOT and ERS-1 cases** *Andrea Alvarez-Laorden, Institut d'Història de la Ciència; Hèctor Isern-Alsina, History of Science Institute, Autonomous University of Barcelona*

Session Organizers:

**Gemma - Cirac-Claveras**, Institut d'Història de la Ciència - UAB

**Hèctor Isern-Alsina**, History of Science Institute, Autonomous University of Barcelona

Chair:

**Grigoris Panoutsopoulos**, History of Science Institute, Autonomous University of Barcelona

### **374. Plural Worlds of Science and Shifting Perspectives on Home Economics, 1870-1990**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

Edinburgh Futures Institute: 3.35

Participants:

**Home Economics and Science**

**Communication** *Serenity S Sutherland, SUNY Oswego*

**Changing names, changing perspectives, and alumni discontent** *Gwen Kay, SUNY Oswego*

**Plural Worlds, Domestic Sciences: Cold War Home-Economics Links between Iowa, USA and Baroda, India** *Amy S Bix, Iowa State University*

Chair:

**Bethany Anderson**, University of Illinois Urbana-Champaign

### **375. Collection Stories and Indo-Pacific worlds 3**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

National Museum of Scotland: Auditorium

Participants:

**Collecting bezoars across Indo-Pacific worlds, c.1700: Judgment, authority, and contested knowledge** *Sebastian Kroupa, McGill University*

**Fishing Stakes of Science: Singapore's Kelongs in the Late-20th Century** *Kathy Poh, Lee Kong Chian Natural History Museum*

**Storying holes: marine woodborers in material and memory of British imperialism along Pacific coasts** *Kate Stevens, University of Waikato, Pacific Circle*

**From words to worlds: a history of Tagalog ichthyology, 1613-1794** *Anthony D. Medrano, Brown University*

Chairs:

**Anthony D. Medrano**, Brown University  
**Gabriela Soto Laveaga**, Harvard University

### 376. Shifting Perspectives on Histories of Gravity and Mass 3

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Shifting Perspectives on the Self-Energy Problem. The Contribution from the Early Years of Quantum Gravity (1930-1950)** *Alessio Rocci, Vrije Universiteit Brussel (VUB) and International Solvay Institutes*

**Gravity in the Wake of the Standard Model: Dual String Theory, Supergravity, and Unification** *Robert van Leeuwen, University of Amsterdam*

**The Heuristic Influence of Mathematical Symmetries on 20th-Century Conceptions of Mass** *Victoria Zwierzyk-Teles, University of Bonn & St Andrews*

Session Organizers:

**Jean-Philippe Martinez**, Max Planck Institute for Gravitational Physics (Albert Einstein Institute)

**Bernadette Lessel**, Uni Bonn

**Robert van Leeuwen**, University of Amsterdam

Chair:

**Bernadette Lessel**, Uni Bonn

### 377. Bodies in Modern Medicine

Contributed Paper Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**Touching Invisible Worlds: The Anatomical Flap Book, Materiality, and Multi-Sensory Practices of Reading** *Jessica Dandona, Minneapolis College of Art and Design*

**Sculpting Authority: J. Marion Sims, Public Art, and the Professionalization of American Medicine (1880-1900)** *Laura Smith, UCLA*

**Patients Seeking Organ Transplantation from Alexis Carrel in France during the First World War** *Tiphaine Lours, Sciences Po Center for History (CHSP)*

**The Principle of Non-Commodification and the Evolution of the Concept of Donation in the European Law on the Human Body** *Judit Sandor, Central European University*

Chair:

**Courtney Thompson**

### 378. GECC Lightning Talks

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Cromdale Hall

Session Organizer:

**Ngamlienlal Kipgen**

Chair:

**Kathleen Burch**, Carnegie Mellon University

### 379. Science and the State: A Global Story

Roundtable

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 3 - Fintry Auditorium

Session Organizers:

**Jia-Chen Fu**, Institute of Modern History, Academia Sinica

**Shellen Wu**, Lehigh University

Chair:

**Nadin Heé**, Universität Leipzig

Participants:

**Qi Han**, Hong Kong Polytechnic University

**Owain Lawson**, Lehigh University

**Dan Bouk**, Colgate University

### 380. Bodies, Values, Materiality: New Histories of Health and Illness in Early Modern Latin America

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July  
EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Ability's Experts: Healers and the Assessment and Diagnosis of Enslaved Litigants in Colonial Lima and Buenos Aires** *Adam Warren, University of Washington*

**Naturalist Knowledge and Colonial Knowledge in the Santa Clara de Asís Mission, 1777-1833** *Elizabeth O'Brien, University of California, Los Angeles*

**Embodied Economies of Freedom: Afro-Caribbean Corporeal Finance in the Seventeenth Century** *Pablo F. Gómez, University of Wisconsin–Madison*

Chair:

**Pablo F. Gómez**, University of Wisconsin–Madison

### 381. Shaping Nature 2: Insects 20thC

Contributed Paper Session

2:30 to 4:00 pm, Wednesday, 15 July  
EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Socialist Insects: The Rise of Modern Beekeeping Practice in Maoist China** *Haixing Wang, University of Birmingham*

**US Agricultural Assistance and the Politics of Pesticide Management in Post-Soviet Ukraine** *Samantha Eve Lieberman, Georgia Institute of Technology*

**Economic Entomology and the Construction of Crop Loss** *Erinn Campbell, University of Cambridge*

**Insect Temporalities: Entomology, “Malay Insects,” and Plantation Work in Colonial Sumatra** *Alexander Silaen, University of Vienna*

Chair:

**Mathias Grote**, Universität Greifswald

### 382. Chinese Visual Epistemic Technologies 3 (In honor of Francesca Bray)

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July  
EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Foraging with Images: Visual Representation and the Circulation of Famine Food Knowledge in Early Modern East Asia** *Mengxi Zhao, Shanghai Normal University*

**A Forgotten History of Ginseng: Images and Texts in European's Early Investigation of An East Asian Panacea** *Xiaomeng Liu, Fudan University*

Session Organizer:

**Xiaomeng Liu**, Fudan University

Chair:

**Takehiko Hashimoto**, University of Tokyo

### 383. Nuclear History as Global History: Current Debates and New Perspectives 3

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Global fallout and the local** *Soraya de Chadarevian, University of California, Los Angeles*

**Photographing the Atomic World: Visual Nuclear Histories Beyond the Global North** *Maria Rentetzi, Friedrich-Alexander-Universität Erlangen-Nürnberg*

Chair:

**John Krige**, Georgia Institute of Technology

Commentator:

**Alex Wellerstein**, Stevens Institute of Technology

### 384. Astrology, Thought, and Power in the Premodern Mediterranean Region

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July  
EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Great Years in ancient Greek sources between astronomy and numerology: who and why?** *Cristian Tolsa, Universitat de Barcelona*

**Astrology and power in the history of al-Andalus** *Miquel Forcada, Universitat de Barcelona*

**Astrological language and power in**

**translation: the Castilian version of the Kitāb al-Bāri' (volume one) in its comparison with the original Arabic** *Emilia Calvo, Universitat de Barcelona; Montse Díaz-Fajardo, Universitat de Barcelona*

Session Organizer:

**Cristian Tolsa**, Universitat de Barcelona

Chair:

**Razieh Mousavi**, FAU Erlangen-Nuernberg | MPIWG

**385. Minescapes 3: Religion as Knowledge Matrix between Earth Science and Resource Management**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**Peat Cutting in the Diluvial Landscape of the Dutch Republic** *Mathijs Boom, International Institute for Social History, Amsterdam*

**Epistemic Virtues and Narratives of Sustainability in 19th-Century German Mining** *Sebastian Felten, Universität Wien, Institut für Geschichte*

**Cosmologies in the Field: Epistemological Conflicts over Opening the Earth in Late Qing Mining** *Hailian Chen, Max Planck Institute for the History of Science*

Session Organizer:

**Sebastian Felten**, Universität Wien, Institut für Geschichte

Chair:

**Tina Asmussen**, Ruhr University Bochum / German Mining Museum Bochum

**386. Diagrammatic Computations and Their Symbolic Aspects (III)**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**Diagrammatisation of computations in the Bakhshālī manuscript: some reflections on formalism, symbolical notations, and proofs.** *Agathe Keller, LTE, HSA, CNRS & Observatoire de Paris*

**Yang Hui's (fl. 13th century) Methods of Computation with Place-Value Notations and Their Variations in Later Mathematical Works** *Célestin Xiaohan ZHOU, The Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**Root-Extraction Diagrams Across Media: Al-Kāshī, Viète, and the Transition from Dustboard to Paper** *Zehra Bilgin, University of Edinburgh & Istanbul Medeniyet University*

Session Organizers:

**Zehra Bilgin**, University of Edinburgh & Istanbul Medeniyet University

**Célestin Xiaohan ZHOU**, The Institute for the History of Natural Sciences, Chinese Academy of Sciences

Chair:

**Alex Garnick**, Harvard University

**387. Global Knowledge(s): From Mono- to Plurilingual Research at the Intersection of Digital Humanities/AI, Language Corpora, and the Making of Scientific Knowledge**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Encoding Equivalence: The CUNEI Form Project and Ancient Bilingual Lexica** *Klaus Wagensohn*

**Rejoining Voices: Multilingual and Multimodal Challenges in Chinese Bamboo-Slip Databases** *Yiwen Chen, Northwest University*

**The Language of Materia Medica: Translating Knowledge in Plurilingual Infrastructures Bencao Corpora** *Michael Stanley-Baker*

**Words, Numbers, and Symbols: Vernacular Arithmetic and the Digital Turn** *Michaela Wiesinger*

Session Organizer:

**Yiwen Chen**, Northwest University

Chair:

**Dagmar Schaefer**, MPIWG

**388. Beauty matters. Contested arts, Contested Sciences in the Premodern World**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Lowther

Participants:

**White as marble: Greek and Roman cosmetic sources and racial theories**

*Laurence Totelin, Cardiff University*

**Local knowledge and the gendered attribution of collective expertise: the cosmetic practices of medieval women**

*Montserrat Cabré, Universidad de Cantabria*

**The materials and making of beauty in Early Modern Europe: texts and images**

*Erin Griffey, University of Auckland*

**Beyond texts and images: Beautifying artefacts as sites of knowledge**

*Romana Sammern, University of Salzburg*

Session Organizer:

**Montserrat Cabré**, Universidad de Cantabria

Chair:

**Elena Serrano**, Institute of History of Science. Universitat Autònoma de Barcelona

**389. Sea-Work and Modern Science 1900-1939 1**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Menteith

Participants:

**Imperialism Beneath the Mediterranean Waves: Submarine Telegraphy – Friend or Foe?**

*Ada Ferraresi, ERC-CoG DEEPMED Project, University of Seville*

**The Plankton Discovery: Historiographical Insights into the Emergence of Limnology and Marine Science**

*Pier Luigi Pireddu, University of Lisbon*

**Cruises, Basins, Canal: Finding**

**International Scales in ICES** *Helen Rozwadowski, University of Connecticut Avery Point*

Chair:

**Katharine Anderson**, York

Commentator:

**Katharina Steiner**, University of Geneva

**390. Evolutions in Heredity**

Contributed Paper Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Moffat

Participants:

**“An Heredity Clinic cannot Usually be Self-Supporting”: The Political Economy and Financial Paradoxes of American Medical Genetics, 1950-2010** *Caroline Susannah Wechsler, University of Pennsylvania*

**Canalization, Genetic Assimilation and Evolution: A Case of Conceptual Gatekeeping in 20th-Century Evolutionary Biology** *Maria Alejandra Petino Zappala, IMSEAM, Heidelberg University*

**Fighting the Tyranny of Heredity: Euthenics, Women, and the Making of Better Environments** *David Munns*

**Heredity Versus (California’s) Environment: Eugenics and the Promotion of California in the Early Twentieth-Century** *Margaret Maeve Spaulding, UCLA*

Chair:

**Santosh Kumar**, Kamala Nehru College, University of Delhi

**391. New Perspectives on Climate Change in the Long 1970s**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Climate Change as a Hidden Hazard of Development Aid: The Discovery of Climate Change in U.S. Development Programmes from Richard Nixon to Jimmy Carter (1970-1985)** *Frank Gerits, Utrecht University*

**Green Pieces: exploring the connections between Canadian climate science, environmental activism and popular environmental discourse** *Alexander Hall, McMaster University*

**The Great Climate Chimera: The ‘Little Ice Age’ in the Long 1970s** *Alex Hibberts, University of Exeter*

**Changing the Human Timescale: Temporal Negotiation of Climate in Historical**

**Climatology** *Robert Naylor, University of Manchester*

Session Organizer:

**Alexander Hall**, McMaster University

Chair:

**Fiona Williamson**, College of Integrative Studies, Singapore Management University

**392. Debating Science in the Enlightenment**

Contributed Paper Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Artisanal Contributions to the Critique of Enlightenment Theories of Perception**  
*Rod Bantjes, St. Francis Xavier University*

**The Contested Views on "Factitious Aurs" in the Edinburgh Enlightenment** *Alessia Pannese*

**Testimony in "Risk"?: Mudge's Timekeeper and Contested Empiricism in Late Enlightenment Britain** *Haohao ZHANG*

Chair:

**Valentine Delrue**, Ghent University

**393. Material and Visual Practices of Knowledge**

Contributed Paper Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Elementary Operations of Visual Immersion: A Media Archaeology** *Estefanía Andrea Villalobos, Universidad Alberto Hurtado*

**Shifting Perspective in Reimagining Tradition: The Role of Women in the Evolution of Benin Bronze Casting**  
*Blessing Okojie Jeffrey-Ebhomenmen, Adeleke University*

**Data Visualization Tools for Studying the Circulation of Mathematical Illustrations in the 18th Century** *Nicolas Joannes, Sorbonne Université*

Chair:

**Margaret Weitekamp**, Smithsonian's National Air and Space Museum

**394. Schizophrenia, Standardization, and Scientific Practices: Clinical Research in the Twentieth Century**

Organized Session

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Pentland Auditorium

Participants:

**Schizophrenia, Society, and Family in a Cross-Cultural Context** *Ana Antic, University of Copenhagen*

**Computed Tomography and the Schizophrenic Brain, 1970s-1990s** *Alfred Freeborn, Max Planck Institute for the History of Science, Berlin*

**Catatonia, Nitrogen, and the Laboratory Asylum in the Interwar Period** *Ketil Slagstad, Insitute of the History of Medicine and Ethics in Medicine, Charité Berlin*

Chair:

**Ketil Slagstad**, Insitute of the History of Medicine and Ethics in Medicine, Charité Berlin

**395. The Digital Revolution and the History of Science**

Roundtable

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Platform 5

Session Organizer:

**Erwin Neuenschwander**, Institute of Mathematics University of Zurich

Chair:

**Erwin Neuenschwander**, Institute of Mathematics University of Zurich

Participants:

**Jürgen Renn**, Max Planck Institute for Geoanthropology

**Robert Iliffe**

**Simone Turchetti**, University of Manchester

**Sonja Brentjes**, University Wuppertal

**396. Empires in the Global History of Nutrition Science**

Roundtable

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Session Organizers:

**Hilary A. Smith**, University of Denver

**Jing Sun**, The University of Tokyo

Participants:

**Joel Vargas Dominguez**, Universidad Autónoma Metropolitana (Iztapalapa)  
**Nathan Edwin Hopson**, University of Bergen  
**Josh Levy**, Library of Congress  
**John Nott**, University of Edinburgh

### 397. Women's Mentorship: The Gendered Job Market

Roundtable

2:30 to 4:00 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Tinto Suite

Session Organizer:

**Katherine White**, University of California, San Diego

Chairs:

**Aiden Frederick Sagerman**, Harvard University

**Allegra Molkenthin**, University of California, Berkeley

Participants:

**Ellie Louson**, Michigan State University

**Joanna Behrman**, University of Copenhagen

**Beans Velocci**, University of Pennsylvania

**Susan Jones**, University of Minnesota

**Abena Dove Osseo-Asare**, University of Texas at Austin

### 398. Science and Empire in the Anthropocene: Towards an Environmental Shift 4 - Imperial Medicine Contested

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.40

Participants:

**Pilgrims, Pathogens, and the Port:**

**Environmental Crisis and Disease Control in Colonial Voyages in Colonial India (1850-1940)** *Sutanwi Chatterjee, University of Houston*

**Disease in a Temple Town** *Prakash Kumar, Pennsylvania State University*

**Where epidemiology failed: plague, facemasks and the crisis of the Japanese imperial hygiene in 1940 Manchuria** *Meng Zhang, University of Manchester*

**Burying Anthrax: The Making of an Animal Cemetery in Izmit in Early Republican Turkey** *Zeynep Akçakaya, Kadir Has*

University

Session Organizers:

**Matheus Alves Duarte da Silva**, King's College London

**Sabina Ferreira Alexandre Luz**

Chair:

**Shiori Nosaka**, University of Strasbourg

### 399. The History of Distrust in Medical Science

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.50

Participants:

**Against "Human Vivisection" – Women's Rights Activists and Criticism of Surgery in Britain and the US, 1880s-1914** *Thomas Schlich, McGill University*

**Victorian Scientific Racism and the Long History of Science Hesitancy** *Sharrona Pearl, Texas Christian University*

**A Condition of "Depression and Doubt": Racism and Lead Poisoning during the Civil Rights Era** *Richard M Mizelle, University of Houston*

**"The Trouble with Medicine:" Sceptical Science in 1970s Britain** *Caitjan Gainty, King's College London*

Session Organizer:

**Thomas Schlich**, McGill University

Chair:

**Tatjana Buklijas**, University of Auckland

### 400. Recasting the History of Almanacs 2

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.55

Participants:

**Sea and Sky: Sailors using almanacs** *Margaret Rose Hunt, Uppsala University*

**Latitude, Winds, and Prognostication: The Making of a Global Earth in Early Modern Iberian and Iberian-American almanacs** *Sergio Orozco-Echeverri, Universidad de Antioquia / I Tatti, Harvard University*

Session Organizers:

**Sergio Orozco-Echeverri**, Universidad de Antioquia / I Tatti, Harvard University

**Isobel Falconer**, University of St Andrews

Chair:

**Michelle Pfeffer**, University of Oxford

**401. Cold War Public Health in East Asia:  
Gender, Race, and Biopolitics**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 1.60

Participants:

**Militarism, Public Health, and Racialized  
Boundaries in Cold War Okinawa.** *Asako  
Masubuchi, Ritsumeikan University*

**Politics of Hand Hygiene: Cold War  
US-Japan Collaboration for Soap  
Consumption in Mainland Japan** *Fumi  
Iwashima, Kyoto University*

**Cold War Lines, Queer Futures: Governing  
Queer Lives in Modern China Through  
HIV/AIDS Politics** *Lifu Guo, Tuskuba  
University*

Chair:

**Fumi Iwashima**, Kyoto University

**402. Woods beyond Timber: Ecology, Material  
Transformation and Pluralities of Knowledge  
across Early Modern Asia**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 2.20

Participants:

**Searching for Qing Fashion in the  
Tenasserim: Siamese Sappanwood,  
Borderland Resources, and Chinese  
Dyeing Techniques in the Early  
Nineteenth Century** *Ziquan Zhou, London  
School of Economics and Political Science*

**Sandalwood and Aloewood: Aromatic  
Mobility and Consumption Practices in  
Early Modern India** *Amrita Chattopadhyay,  
Leibniz-Zentrum Moderner Orient, Berlin, DE*

**Locating Cinnamomum verum: Materiality,  
Naming Practices and Knowledge  
Cultures across the Bay of Bengal** *Melinda  
Susanto, Leiden University*

**“A great fire and whirling smoke”:** the  
pterocarpus indicus, amboyna wood and  
the (un)making of a global material *Marie  
Ngiam, University of Oslo*

Session Organizer:

**Melinda Susanto**, Leiden University

Chair:

**Guanmian Xu**, Peking University

**403. Shifting Narratives in Space Science and  
Technology (2)**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 2.35

Participants:

**From Semipalatinsk to Baikonur: The  
Earthly Myths of the Space Age** *Saulesh  
Yessenova*

**Contesting the View from Above: Europe,  
Africa and the Uneven Globalization of  
Satellite Data** *Grigoris Panoutsopoulos,  
History of Science Institute, Autonomous  
University of Barcelona*

**Meteorology, Media, and Nation-Building:  
Satellite Data in 1980s Catalonia** *Anna  
Drou-Roget, Institut d'Història de la Ciència  
(IHC)*

**Remote Sensing and the Contradictions of  
Surveillance in Latin America** *Sebastián  
Díaz Ángel, History of Science Institute,  
Autonomous University of Barcelona*

Session Organizers:

**Gemma - Cirac-Claveras**, Institut d'Història de  
la Ciència - UAB

**Hèctor Isern-Alsina**, History of Science  
Institute, Autonomous University of Barcelona

Chair:

**Andrea Alvarez-Laorden**, Institut d'Història de  
la Ciència

**404. Second Nature: Synthetic Materials and  
the (Re)making of Biological Knowledge in the  
Twentieth Century**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

Edinburgh Futures Institute: 3.35

Participants:

**Beyond the Double Helix: Paul Doty,  
Polymer Chemistry, and the Structure of  
DNA** *Amalia Rose Sweet, Harvard University*

**Down to the Guidewire: Making a Place for  
Biomaterials in Mid-Twentieth Century**

**Medicine** *Lisa Onaga, Max Planck Institute for the History of Science*

**Competing Biologies: Testing Teflon's Toxicities** *Jessica Varner, University of Pennsylvania*

**Toxaphene: Material Genealogy of a Forest Product** *Evan Hepler-Smith, Duke University*

Session Organizer:

**Amalia Rose Sweet**, Harvard University

Chair:

**Miguel Garcia-Sancho**, University of Edinburgh

#### 405. The Limits of Sex

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Communicating Antiandrogens in West-Germany 1960-1980: Antiandrogenic Drugs and West-German Theories of Sex Differentiation** *Sophia Wagemann*

**Religious Experiences and Female Sexuality in the Clinic of Gonzalo Rodríguez Lafora (1916-1936)** *Lola del Gallego Noval, CSIC-IH*

**Sex in the Pharmacy** *Osaremen F Okolo, Harvard University*

#### 406. Entangled Arts: Alchemy, Magic, Cryptography, and Prognostication in Early Modern Europe

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**Occult Cryptography. Tracing the Intersections of Alchemy and Cryptography during the Renaissance Cipher Boom** *Sarah Lang, Graz University*

**From Transmutation to Conjunction: Rethinking the Boundaries Between Alchemy and Magic** *Sergei Zotov, Warburg Institute*

Session Organizer:

**Sergei Zotov**, Warburg Institute

Chair:

**Sarah Lang**, Graz University

#### 407. Disciplinary Perspectives on the London Bills of Mortality, 1518–1858

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**The Myriad Forms and Sums of the London Bills of Mortals** *Jessica Otis, George Mason University*

**Constructing 'murder' in early eighteenth-century London: The Searchers, the Bills, and the language of violent death** *Craig Spence*

**The Visitation Revisited: Plague Pamphlet Publication and Distribution in 17th Century Britain** *Stephen Greenberg, Independent Scholar*

**Using Counts in Context: The Bills of Mortality and Lived Experience** *Kristin Heitman, Independent Scholar*

Session Organizer:

**Jessica Otis**, George Mason University

Chair:

**Deborah Kent**, University of St Andrews

#### 408. (Mario Biagioli In Memoriam) Into the Mouth of the Wolf: Scientific Authorship, Self-Fashioning, and Other Tightrope Walks in the Works of Mario Biagioli

Roundtable

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Cromdale Hall

Session Organizers:

**Elizabeth Yale**, University of Iowa

**Florin-Stefan Morar**, National University of Singapore

Participants:

**Jimena Canales**

**Alex Csiszar**, Harvard University

**Matthew L. Jones**, Princeton University

#### 409. New Directions at the Intersection of Oral History, Digital Humanities, and the History of Science

Roundtable

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 3 - Fintry Auditorium

Session Organizer:

**Etienne Benson**, Max Planck Institute for the History of Science

Chair:

**Silvia Pérez-Criado**, Max Planck Institute for the History of Science

Participants:

**Etienne Benson**, Max Planck Institute for the History of Science

**Pascal Belouin**, Max Planck Institute for the History of Science

**Hari Sridhar**, Independent Researcher, Vienna, Austria

#### 410. Racialising Humans

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**On Testing Children: Measuring Bodies, Minds and the East “African personality”**  
*Pokuua Oduro-Bonsrah*

**From Racial Hypotheses to the History of East Africa: Insights into European Practises of Colonial Knowledge Production**  
*Lena Filzen, University of Wuppertal*

Chair:

**Cécile Hauser**, Ludwig Maximilian University Munich

#### 411. Shaping Nature 3: Agriculture in the Long 19thC

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**‘Fruits of the Future’: The Minnesota State Horticultural Society and their Fruit Breeding Experiments.** *Kathryn Bruce, Boston College*

**Undermining the Wine Empire from Below: Grape Phylloxera, Agricultural Sciences, and Subterranean Pest-Control in Colonial Algeria (1880s-1910s)** *Quentin Christophe Sintès, ETH Zurich*

**Practical Farmers and the Highland and Agricultural Society of Scotland, 1790 to**

1855 *Jenny Brown, University of Glasgow*

Chair:

**Alexis Turner**

#### 412. From Sketch to Knowledge: Visual Mediation in Early Modern Natural History

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**Collecting, Reusing and Remaking Nature Drawings: Felix Platter’s (1536-1614) Investigation of Stones** *Alexandre Claude, European University Institute, Florence; Bibliotheca Hertziana, Rome*

**Seeing and Knowing Iridescence through Watercolor Drawings of Northern Lapwings** *Giulia Simonini, Bibliotheca Hertziana, Rome*

**Drawing, Engraving, Copying: Visual Mediation and the Making of the Hortus Malabaricus (1678-1693)** *Trude Dijkstra, University of Amsterdam*

**“A Clever Woman Can Put Drawing and Painting to Use in a Thousand Ways”:** **Natural History Illustration and Gendered Material Practices in Early Modern Europe**  
*Stephanie Reitzig, Columbia University*

Session Organizers:

**Luca Tonetti**, University of Padua

**Sietske Fransen**, Bibliotheca Hertziana - Max Planck Institute for Art History

**Elena Rizzi**, University of Padua

Chair:

**Elena Canadelli**, University of Padova

#### 413. Under Planetary-Scale Framework: Technology, the State, and Global Order in 20th-Century East Asian Meteorological History

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Local Practices of the Planetary Atmosphere: Mass Meteorology and State Governance in 1950s Guangdong** *Xiaoping Xue, Columbia University in the City of New*

York

**States, science, and typhoons:**

**Transitioning out of a period of weather warfare to collaborative meteorological research** *Yuan He, National University of Singapore*

**Storm Warning and Planetary Atmospheres: Standardizing Weather Alerts in East Asia, 1920–1939** *Ruohui Chen, Tsinghua University*

Session Organizer:

**Xiao Liu**, Tsinghua University

Chair:

**Xiao Liu**, Tsinghua University

**414. Problematizing Colonial Instructions: The Global Context of Scientific and Medical Information, 1650-1850**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 2

Participants:

**Portable Practices: Linnaean Instructions and Colonial Fieldwork** *Linda Andersson Burnett, University of Uppsala*

**Public Instructions, Colonial Distances: Prize Questions in the Batavian Society of Arts and Sciences (c. 1770-1800)** *Maria Iulia Florutau, Cambridge University*

**'Designed for the Disordered Negroes': Yaws Management Experiments in the Age of Abolition** *Katherine Paugh, Oxford University*

**The Bureaucracy of Bias: Epidemiology and William Fergusson's Statistical Re-Interpretation of Government Instructions in Sierra Leone** *Matthew Eddy, Durham University*

Chair:

**Anita Guerrini**, Oregon State University, and University of California Santa Barbara

**415. Modernity, Mysticism and Mathematics**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**Stokes, Crookes, and Language as Validator**

*Aoife Kearins, University of Oxford*

**Mysticism and Modernism in Late Imperial Russian and Early Soviet Mathematical Communities 1900–30** *Emma Jane Baxter, University of Oxford*

**Religious Belief and Social Order in Cantorian Set Theory** *Thomas Glasman, University of Oxford*

**Inspiring Money: Quantification at the Mint** *Jeremy Gray, University of Oxford*

Chair:

**Jeremy Gray**, University of Oxford

**416. Bodies in Bondage: Medical Knowledge, Regimes of Health, and Resistance in the Early Modern Mediterranean**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Lowther

Participants:

**Managing Bodies at Sea: Medical Knowledge and Galley Labour in the Fifteenth and Sixteenth Centuries** *Claire Stichting Weeda, Leiden University*

**'One of the Miraculous Medicaments': Opium, Slavery and Health in Early Modern Italy** *Lucia Dacome, University of Toronto*

**Surviving the Galleys of Venice: Self-healing, Magic and Spaces of Agency at Sea** *Valentina Pugliano, Massachusetts Institute of Technology*

Session Organizers:

**Lucia Dacome**, University of Toronto  
**Valentina Pugliano**, Massachusetts Institute of Technology

Chair:

**Hannah Murphy**, King's College London

Commentator:

**Hannah Murphy**, King's College London

**417. Sea-Work and Modern Science 1900-1939 2**

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Menteith

Participants:

**Defining the Ocean/s: Science, Internationalism and Hydrography**

*Katharine Anderson, York*

**Corals, Butterflies and a Sailing Yacht: The Making of the Scientific Voyage of the St George in the Pacific, 1924-25** *Janet Browne, Harvard; Jordan Goodman, Hon. Research Associate, STS, UCL*

**Lady Scientists and Antarctic Specimens: The Discovery Investigations at the Natural History Museum** *Daniella McCahey, Texas Tech University*

Session Organizer:

**Katharine Anderson**, York

Chair:

**Sam Robinson**, York

Commentator:

**Sam Robinson**, York

#### 418. Genetic Counselling

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 2 - Moffat

Participants:

**Regional Genetics: Clinical Genetics and Genetic Counselling in Scotland (1960s-90s)** *Cristina Moreno Lozano, University of Edinburgh*

**The 'Muslim Genome': From Eugenic Pasts to Genomic Futures** *Tayyaba Jiwani, Egenis, University of Exeter*

Chair:

**Ayah Nuriddin**, Yale University

#### 419. James Hutton in/and the Anthropocene

Organized Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 0 - Moorfoot Suite

Chair:

**Ann C Campbell**, Indiana University  
Bloomington

#### 420. Spaces of Science in the Enlightenment

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**From Lexicon to Consensus: Tracing Newtonianism in the Encyclopedic Public Sphere** *Derya Gurses Tarbuck, Bahcesehir*

*University, Istanbul; ATABEY KAYGUN, ITU*

**Tar and Pitch Kilns of the Real Fábrica da Madeira (1790-1825): Circulation of Knowledge, Adaptions and Innovation** *Diogo Moreno, IHC - UÉ/IN2PAST*

**Falling out of Science and into Technology: Robert Erskine, FRS and ... Hydraulic Engineer and Ironmaster?** *Steven A Walton, Michigan Technological University*

Chair:

**Joyce Chaplin**, Harvard University

#### 421. Weathering Science

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Storm Predictions and Agrarian Sayings in Nineteenth-Century Eastern India** *Varun Vivian Mallik*

**The Politics of Definition: Khamsin Winds, Contested Sciences and Zionist Nation-building in Israel/Palestine** *Tuvaal Klein*

**Transposing Distant Atmospheres: The Staging and Spectacle of Simulated Meteorologies** *Fiona Amery, University of Cambridge*

**The Discovery of Folk Weather Wisdom in China (1910s-1940s)** *Xinyue Li, University of Manchester*

Chair:

**Alexander Hall**, McMaster University

#### 422. Uncovering Hidden Histories

Contributed Paper Session

4:15 pm to 5:45 pm, Wednesday, 15 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Unveiling the Behind-the-Scenes World of Scientific Production Through the Writings of Women in the 18th and 19th Centuries** *Isabelle Lémonon-Waxin, Centre François Viète-Nantes Université*

**Wives, Widows, Invisible Labour: The Case of Two Marys** *Pragya Agarwal, Independent Scholar*

**Women, Science, and Archival Erasures in**

**Seventeenth-Century Jamaica** *Kate Mulry, CSUB*

Chair:

**Robert Fyke**, SUNY Farmingdale

**423. Award Ceremony of the International Academy for the History of Science 'Koyré medal'**

Organized Session

*4:15 pm to 5:45 pm, Wednesday, 15 July*

*EICC: Floor, Level 1 - Platform 5*

Session Organizer:

**Sonja Brentjes**, University Wuppertal

Chair:

**Sonja Brentjes**, University Wuppertal

**424. From Specimens to Subjects: Plural Practices of Seeing and Naming Primates**

Organized Session

*4:15 pm to 5:45 pm, Wednesday, 15 July*

*EICC: Floor, Level 0 - Tinto Suite*

Participants:

**The Remains of a Dream: Bonobos as**

**Experimental Animals** *Hannah Kressig,*

*Max Planck Institute for the History of Science in Berlin*

**Among Dominants and Chiefs: Who rules**

**Primateology?** *Mateus Oka, State University*

*of Campinas, São Paulo, Brazil*

**“On Behalf of Tommy”: Primate Cognition**

**and the Making of Legal Personhood** *Shira*

*Shmuely*

**On The Limits of Scientific Listening: The**

**Hidden Influence of Animal Alterity and**

**Sameness in Animal Communication**

*Khatijah Rahmat, Max Planck Institute for*

*The History of Science*

Session Organizer:

**Hannah Kressig**, Max Planck Institute for the

History of Science in Berlin

Chair:

**Lisette Jong**, University of Amsterdam

**425. HSS Distinguished Lecture: The Transatlantic Slave Trade and the Making of Science and Medicine, Pablo F. Gómez**

Plenary Session

*6:05 to 7:00 pm, Wednesday, 15 July*

*EICC: Floor, Level 3 - Pentland Suite*

Presenter:

**Pablo F. Gómez**, University of

Wisconsin–Madison

**426. Graduate Student and Early Career Scholar Mixer**

Reception

*7:00 to 10:00 pm, Wednesday, 15 July*

*56 North: 56 North Bar*

Session Organizers:

**Claire Ann Votava**, University of California,

Los Angeles

**Mary Kate Wolken**, University of Minnesota

Participants:

**Mika Hyman**, University of Cambridge

**Beatrice Falcucci**, Universitat Pompeu Fabra

**427. ESHS Neuenschwander Prize Lecture: From the Margins: Rethinking Power and Perspective in the History of Science, Ana Simões**

Plenary Session

*7:05 to 8:00 pm, Wednesday, 15 July*

*EICC: Floor, Level 3 - Pentland Suite*

Presenter:

**Ana Simões**, Universidade de Lisboa

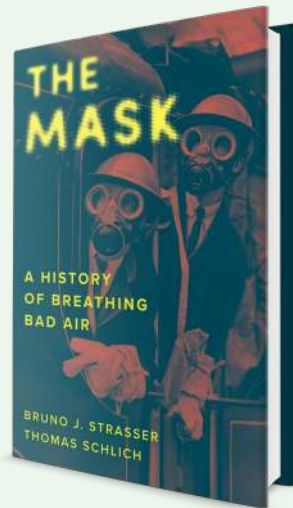
# NEW HISTORY OF SCIENCE BOOKS FROM Yale UNIVERSITY PRESS



**Darwin and the Queer Origins of Life**  
*A History of Sex and Science*  
Ross Brooks

What did Darwin and Linnaeus really think about sex?

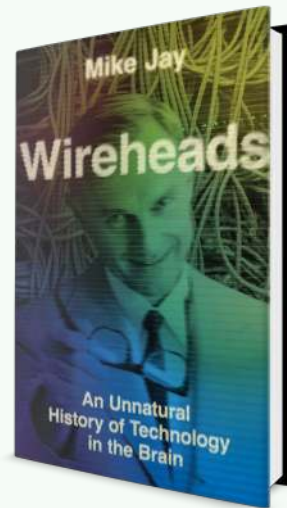
Ross Brooks shows how queerness was at the heart of evolutionists' thinking about the natural world. He radically exposes us to the hidden queerness of Georgian and Victorian science—and shows how nature has always been more sexually diverse than we've been told.



**The Mask**  
*A History of Breathing Air*  
Bruno J. Strasser & Thomas Schlich

'[An] engrossing, finely illustrated account of a subject hitherto surprisingly under-researched.'  
*Nature*, Best Books of 2025

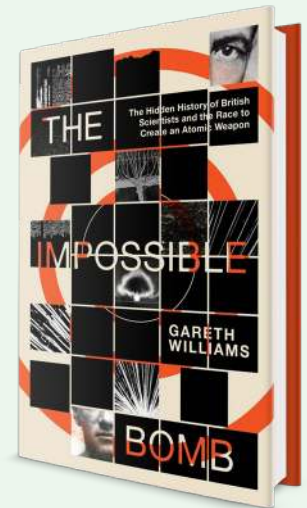
For centuries, humans have sought to protect themselves from harmful air, whether from smoke, dust, vapors, or germs. *The Mask* offers the first history of respiratory masks—ranging from simple pieces of cloth to elaborate gas masks—and explores why they have sparked both hope and fear.



**Wireheads**  
*An Unnatural History of Technology in the Brain*  
Mike Jay

The story of the mavericks and scientists, crackpots and artistic visionaries who imagined a future where machines fuse with our minds.

As humanity and technology become ever more tightly interwoven, *Wireheads* explores the final and most intimate frontier: the brain, and the electronic devices, magnetic signals, implants, and computer interfaces that promise to merge it with the world of the machine.



**The Impossible Bomb**  
*The Hidden History of British Scientists and the Race to Create an Atomic Bomb*  
Gareth Williams

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Shirley Hodgson, *Medicine, Conflict and Survival*

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*The Impossible Bomb* sheds new light on how humanity's deadliest weapons came to exist—and the massive destruction they wrought.

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## THURSDAY, JULY, 16

### 428. Exhibit Hall Day 4

9:00 to 1:00 pm pm, Thursday, 16 July  
EICC: Floor, Ground - Strathblane Hall

### 429. Registration Day 5

9:00 to 5:00 pm, Thursday, 16 July  
EICC: Floor, Ground - Strathblane Hall

### 430. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 1

Organized Session  
9:15 am to 10:45 am, Thursday, 16 July  
Edinburgh Futures Institute: 1.40  
Participants:

**Exit and Rupture: UNRRA and the Reconfiguration of China's Industrial Science (1945–1947)** *Xinya Yu, Tsinghua University*

**Consensus and Division: Mutual Perceptions and Interactions Between Chinese and American Scientists at the Pugwash Conferences (1957-1964)** *Jing Zhang, Peking University*

Scientific Autonomy versus Discourse Power:  
**China in the 20th-Century International Polar and Geophysical Years** *Qian Chen, Shandong University of Traditional Chinese Medicine*

Session Organizer:  
**Li Zhang**, Peking University

Chair:  
**Li Zhang**, Peking University

### 431. Activist Epistemics and Artefacts 1

Organized Session  
9:15 am to 10:45 am, Thursday, 16 July  
Edinburgh Futures Institute: 1.50

Participants:  
**Affective Epistemologies of Antimilima: Feminist Knowledgescapes and Activist Science in Post-Dictatorial Greece**

(1974–1986) *Evangelia (Lina) Chordaki*  
**Materializing DNA in Forensic-Memorial Practices** *Lucía Expósito-Cívico, University of Granada*

**Announcing Abortion on Television: Medical Practice as a Political Tool in Barcelona (1976–1986)** *Laia Iturrizaga-Zurita, Institut d'Història de la Ciència-Universitat Autònoma de Barcelona*

Session Organizers:  
**Laia Iturrizaga-Zurita**, Institut d'Història de la Ciència-Universitat Autònoma de Barcelona  
**Jaume Valentines-Álvarez**, iHC-UAB

Chair:  
**Max Bautista-Perpinyà**, Université catholique de Louvain

### 432. Listen: Sound Science Across Time 1

Contributed Paper Session  
9:15 am to 10:45 am, Thursday, 16 July  
Edinburgh Futures Institute: 1.52

Participants:  
**Abacus, Qin, and Pipes: Epistemic Disobedience and the Making of Acoustical Knowledge in Zhu Zaiyu's China** *Joyce Wei-Jo Chen, University of Oregon/Princeton University*

**The Sound of Aztec Botany** *Justin Linds, Princeton University*

**Science of Birdsong in Central-European Modernity: From Field Listening to Scientific Evidence** *Anna Kvicalova, Charles University, Prague; Roman Figura, Charles University*

Chair:  
**Alexandra Hui**, University of Toulouse - Jean Jaurès

### 433. Science and Education 1: Pedagogy

Contributed Paper Session  
9:15 am to 10:45 am, Thursday, 16 July  
Edinburgh Futures Institute: 1.55

Participants:  
**The Empire in the Lecture Room: Media of Natural History Education in the Austro-Hungarian Empire, 1864-1918** *Alan Sioltaich Ross, University of Vienna*  
**Children Rewired: Remaking Minds and**

**Social Orders through Programming**

*Apolline Taillandier, University of Cambridge*

**434. The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 1**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

Edinburgh Futures Institute: 1.60

Participants:

**Bronze Bells and the Sounds of Order: Technological Innovation, Ritual Governance, and Acoustic Knowledge in Ancient China** *Xiaowu Guan, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**Discussion and Reflection on Traces (鞞繩 Yin) in China and Italy** *Moxuan Zhou, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**The Dynamics Behind the Emergence and Development of Traditional Chinese Architectural Techniques** *Haolin Wang, Institute for the History of Natural Sciences, CAS*

**A Brief Discussion on the Composition and Evolution of Ancient Inorganic Material Processing Technologies** *Xing Huang*

Session Organizer:

*Xiaowu Guan*, Institute for the History of Natural Sciences, Chinese Academy of Sciences

Chair:

*Hailian Chen*, Max Planck Institute for the History of Science

**435. Activism, Globalization, and Scientific Societies (1)**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

Edinburgh Futures Institute: 2.20

Participants:

**Performing Academic Geopolitics. The impact of Cold War tensions on scholarly interactions amongst historians (1950-1990)** *Els Minne, KU Leuven*

**Science Under Negotiation: Institutional Strategies of the Brazilian Academy of Sciences During the Military Dictatorship (1964-1985)** *Thammy Guimaraes Costa*

*Borges, KU Leuven*

**The Politics of Decolonisation and the International Congress of Africanists (1960s-1970s)** *Laura Royer, Uppsala University*

Session Organizer:

*Els Minne*, KU Leuven

Chair:

*Larissa Schulte Nordholt*, Leiden University

**436. UNEARTHED I: The Many Lives of Res inanimatae**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

Edinburgh Futures Institute: 2.35

Participants:

**Beauty Classified - The Hopetoun Walker Collection of Decorative Stone** *Rene Winkler*

**The Museum of Fossils: Göttingen and Natural Histories of the Globe, ca. 1770-1799** *Jeremy R. Schneider*

**Shipwrecks and the maritime underground** *Elsje van Kessel, University of St Andrews*

Session Organizer:

*Monica Azzolini*, University of Bologna

Chair:

*Sachiko Kusukawa*, Trinity College, Cambridge

**437. Pluralism and the Human Sciences in Imperial and Postcolonial Contexts**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

Edinburgh Futures Institute: 3.35

Participants:

**The Legal Surveying Movement: Capturing Indigenous Law in German Pacific Imperialism** *Anna Echterhölter, University of Vienna*

**Pluralism, Communication, and Resistance at the Center for Applied Linguistics** *Judith Kaplan, Science History Institute*

**Haunted by the Nation: Humanities in Postcolonial India, c. 1947-1984** *Projit Bihari Mukharji, Ashoka University*

**Airwaves of Dissent: Pluralizing Knowledge on West African Radio, 1955-1962** *Viktoria*

*Tkaczyk, Humboldt Universität zu Berlin*

Session Organizer:

**Anna Echtermöller**, University of Vienna

Chair:

**Anke te Heesen**, Humboldt Universität zu Berlin

#### **438. New Insights in the History of Chinese Science 1**

Contributed Paper Session

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 1 - Carrick Suites 1*

Participants:

**Eliminating the Moral Dimension: Zheng Fuguang's Purely Natural Philosophy of "Things" in the Qianjia Period** *Yuxi Hu*

**Technological Pathways of Early Asian Papermaking: The Reassessment of the Chinese Invention Paradigm** *Marco Andreozzi, St. Mary's College, Juba, South Sudan*

#### **439. Dividing Nature: Classification and its Discontents**

Contributed Paper Session

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 1 - Carrick Suites 2*

Participants:

**Natural Object or Cultural Artifact?: Comparative Methods and Alternative Approaches to Language in Nineteenth-Century Germany** *Kristine Palmieri, Ludwig Maximilian University (LMU) Munich*

**Classifying the Unclassifiable: Epidemiological Knowledge Making on Ethnicity in a Swedish Context, 1950-2020** *Ida Al Fakir, Swedish School of Sports and Health Sciences*

**Internationalizing Hungarian Szikes Soils** *Noémi Ujházy, University of Nottingham*

**Local Names, Global Science: The Importance of Vernacular Plant Names before Universal Nomenclature** *Madeline Elizabeth White, Northwestern University*

Chair:

**Catarina Marques Madruga**, Technische Universität Berlin

#### **440. Controlling and Conserving Animals**

Contributed Paper Session

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 1 - Carrick Suites 3*

Participants:

**Elephants on Birth Control? Population Management Between Animal Welfare Activism and Conservation Science** *Kat Poje, New York University*

**The Kiwi and the Sheep Went to Sea: Avian Conservation Science and the British Imagination** *Hillary Loomis, Southern Illinois University*

**Hunting for Science: Polar Bears, Cold War Conservation Politics, and the Scientific Redeployment of Arctic Hunting** *Eliot Gisel, University of Zurich*

**Making Sheep Scientific: Sheep Improvement in China 1920-1945** *Guanran Cui, State University of New York at Binghamton*

Chair:

**Lucie Gerber**, CNRS, SAGE, France

#### **441. (Re)thinking Histories of Disease in the "Tropics" (I)**

Organized Session

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 2 - Cromdale Hall*

Participants:

**Socialist Tropical Medicine: Securing the Nation in 'Fortress Europe' in the Late Cold War** *Bogdan Cristian Iacob, "Nicolae Iorga" Institute of History (Romanian Academy); Institute for Habsburg and Balkan Studies (Austrian Academy)*

**Trachoma's tropicalization: Race and epidemiology in the Chinese Labour Corps** *Mary Augusta Brazelton, University of Cambridge*

**A 'non-neglected disease': Tanzania and schistosomiasis (1961-1980).** *Gisela Mateos, Universidad Nacional Autónoma de México*

Session Organizers:

**Edna Suárez-Díaz**, Universidad Nacional Autónoma de México

**Timothy Sim**, University of Cambridge

Chair:

**Timothy Sim**, University of Cambridge

**442. Making and Circulating Images, Their Impact and Influences on Different Fields of Science 1**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**The Codice Casanatense (Ms 1889): from the materiality of drawing to historical geography of Portuguese Empire in a global perspective.** *Beatriz Bueno, FAU-USP - Faculdade de Arquitetura e Urbanismo e de Design da Universidade de São Paulo*

**Nautical Atlases, the Royal Navy and Slave Trade Abolition: Maritime Science in Ships and Ports, 1750-1850** *Íris Kantor, FFLCH-USP, Brasil*

**The invisibles who made sparks visible: the role of Mynde and Ingram in the development of the iconography of electricity in the eighteenth century** *Breno Moura, UFABC, Brazil*

Session Organizers:

**Breno Moura**, UFABC, Brazil

**Ermelinda Moutinho Pataca**, University of São Paulo

Chair:

**Breno Moura**, UFABC, Brazil

**443. Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge I**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**Empirical Aims, Empire Gains: Knowledge regimes in the Madagascar herbarium collection at Marseille's Colonial Institute** *Chanelle Adams, Max-Planck-Institut für Wissenschaftsgeschichte*

**From "Raw Plant" to Remedy: Peasant and Indigenous Skill in the Making of Pharmaceutical Value** *Matti Leprêtre, Sciences Po Paris / EHESS*

**Transformations in Practices of Colonial Bioprospecting. Chaulmoogra-based Drugs in the Early 20th Century** *Dominique Merdes, TU Braunschweig, OVGU Magdeburg*

Chair:

**Matti Leprêtre**, Sciences Po Paris / EHESS

**444. Epidemic and Illness in the Modern Era 1**

Contributed Paper Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**"Grip Wrecks:" The Neurological Shoals of Influenza Survival, 1889-1920** *Bethany Lynn Johnson, University of North Carolina*

**'The Legion of Cultists [and] Their Weird Theories of Healing': Contested Expertise and Challenged Authority in Christian Scientist, Osteopathic and Chiropractic Reflections on the 1918-19 Influenza Pandemic** *Islay Grace Shelbourne, University of St Andrews*

**Stable and Static? Socialist Societies as Ideal Epidemiological Terrains After the End of Epidemics** *Dora Vargha, University of Exeter / Humboldt University*

Chair:

**Qurat ul Ain Nayyar Khan**, Princeton University

**445. Disruptive Encounters: Historicizing More-Than-Human Lives in Palestine**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**The Colonial Hump: Cameleering as Settler Science in Palestine** *Dotan Halevy, Tel Aviv University*

**Tobacco's Enemy Number One: Palestinian Fellahin Dealing with Blue Mold under Military Government** *Basma Fahoum, Ben Gurion University*

**Conservation and erasure of Palestinian environments: Agro-ecological landscape transformation in the Latrun area** *Alaa Iktash, London School of Economics*

**Brucellosis, Uncertainty, and the  
Humanimal Body** *Tamar Novick, Technical  
University of Munich*

Chair:

**Jesse Olszynko-Gryn**, MPIWG

**446. Testing, Staging and Recording: Film as  
Research and Practice in the Psy-Disciplines**  
Roundtable

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 2 - Lammermuir 1

Session Organizer:

**Grace Whorrall-Campbell**, University of  
Oxford

Chair:

**Alfred Freeborn**, Max Planck Institute for the  
History of Science, Berlin

Participants:

**David Bucheli**, University of Basel  
**Sophia Gräfe**, Humboldt-University Berlin

**447. Scientific Disputes, Cosmological Theories  
from Scheiner to Cassini: Archival Sources in  
the 17th Century 1**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Christoph Scheiner and His Peers:  
Correspondence, Dissent, and  
Cosmological Debates in Early  
Seventeenth-Century Ingolstadt** *Luís  
Carolino, ISCTE-Instituto Universitário de  
Lisboa, CIES*

**Gian Domenico Cassini at the Observatoire  
Royal in Paris** *Ivana Gambaro, University of  
Genoa, SISFA, Cassini 400 Committee*

**Pendulum Length, Gravitational Variation,  
and the Shape of the Earth: Cassini's  
Interpretation of Richer's Observations**  
*Marcella Brusa, University of Bologna (Italy);  
Luca Ciotti, University of Bologna (Italy);  
Elisabetta Rossi, University of Bologna and  
SISFA (Italian Society for the History of  
Physics and Astronomy)*

Session Organizers:

**Ivana Gambaro**, University of Genoa, SISFA,  
Cassini 400 Committee  
**Valeria Zanini**, National Institute for

Astrophysics (INAF), Astronomical Observatory  
of Padua, President of SISFA

**Luís Carolino**, ISCTE-Instituto Universitário de  
Lisboa, CIES

Chair:

**Rebekah Higgitt**, National Museums Scotland

**448. Landscapes of Development: Plural  
Visions and the Making of State-Building  
Infrastructures in East Asia**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 2 - Lennox 1

Participants:

**At the Dawn of "Modern" Sewerage: The  
Uncanny Coexistence of New and  
Traditional Human Waste Management in  
1970s Seoul** *Jungha Hwang, UC Irvine*

**Contesting Safety: Plural Visions of Risk in  
South Korea's Nuclear Plant  
Thermal-Effluent Disputes, 1987-1995**  
*Yeseul Park, Seoul National University*

**Plurality of Promoting Actors in the  
Installation of a Research Reactor: The  
Case of Rikkyo University's Nuclear  
Research Institute in Yokosuka** *Masahiro  
Inohana, SOKENDAI*

**Shaping Tropical Frontiers: Construction of  
Rubber Farms in Hainan Island** *Shiyi  
Xiang, Johns Hopkins University*

Session Organizers:

**Yeseul Park**, Seoul National University  
**Jungha Hwang**, UC Irvine

Chair:

**John Kanbayashi**, University of Pennsylvania

Commentator:

**Eric Dinmore**, Hampden-Sydney College

**449. Tacit Knowledge: Early Career Publishing**  
Roundtable

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 2 - Lennox 2

Session Organizer:

**Ellie Louson**, Michigan State University

Chairs:

**Ellie Louson**, Michigan State University  
**Eve Aspinwall**, University of Minnesota

Participants:

**Michael J. Barany**, University of Edinburgh  
**Brad Bolman**, Tulane University  
**Melissa Charenko**, University of Pennsylvania  
**Rosanna Dent**, University of Cambridge

**450. Possessed, “Crippled”, Uncombustible:  
Bodies at the Limit of Technologies and  
Genders**

Organized Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**The Incombustible Man** *Elena Serrano*,  
*Institute of History of Science. Universitat  
Autonoma de Barcelona*

**Speaking Between Worlds: Translating  
Mediumistic Experience into Science**  
*Mónica Balltandre*, *Institute of History of  
Science. Universitat Autònoma de Barcelona*

**Fighting Spinal Cord Injuries: Ludwig  
Guttmann (1899-1980) and Sport Therapy**  
*Agustí Nieto-Galan*, *Universitat Autònoma de  
Barcelona*

**Receptive mothers, enchanted children, and  
the parascientific mind** *Alicia Puglionesi*,  
*Johns Hopkins University*

Session Organizer:

**Elena Serrano**, *Institute of History of Science.  
Universitat Autònoma de Barcelona*

Chair:

**Juan-Andrés León**, *Science Museum London*

**451. Old Problems, New Angles: Toward a  
Global History of Mathematics**

Roundtable

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 1 - Lowther

Session Organizers:

**Julia Tomasson**, *Rice University*

**E. A. Hunter**, *University of Chicago*

Chair:

**Karine C. C. Chemla**, *University of Edinburgh  
and SPHERE, CNRS-UPC*

Participants:

**Dhruv Raina**, *Jawaharlal Nehru University*

**Marouane ben Miled**, *Université de Tunis El  
Manar, École Nationale d'Ingénieurs de Tunis*

**Brigitte Stenhouse**, *The Open University*

**Alexis Trouillot**, *University of Kansas*  
**Madeline Muntersbjorn**, *University of Toledo*

**452. Histories of 19th and 20th Century  
Astronomy**

Contributed Paper Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 1 - Menteith

Participants:

**William H. Pickering's Society of the  
International Associated Observers of  
Mars, 1915-1930** *Solomon Hajramezan*,  
*University of Cambridge*

**Astronomy across Empires: The Circulation  
and Contestation of Celestial Knowledge  
in Late Qing Science Fiction** *Zijian Xia*,  
*Julius-Maximilians-Universität Würzburg*

**The Geopolitically Networked Heritage of  
Irish Astronomy at Boyden Observatory,  
South Africa, 1950-1978** *Erin Rose Manson*,  
*Queen's University, Belfast*

**Astronomy and the Geopolitics of Scientific  
Reintegration: Spain in the Early Cold War**  
*Pedro Ruiz-Castell*, *Institut Lopez Piñero*,  
*University of Valencia (Spain)*

Chair:

**Toner Marie Stevenson**, *The University of  
Sydney*

**453. Cold War Science in Asia**

Contributed Paper Session

9:15 am to 10:45 am, Thursday, 16 July

EICC: Floor, Level 2 - Moffat

Participants:

**Rooppur: The Cold War History of  
Bangladesh's New Nuclear Power Plant**  
*Hannah Haegeland*, *Johns Hopkins  
University; Harvard University*

**The Battle for Technical Assistance: British  
and U.S. Aid for Civil Aviation in West  
Asia, 1945-1960** *Waqar Zaidi*, *Lahore  
University of Management Sciences*

**Microbes in Cold War Kimchi: From  
Nutritional Assets to Sterilized Hazards**  
*Seul-gi Lee*, *Korea Advanced Institute of  
Science & Technology (KAIST)*

**Project Memocall and the Politics of  
Computer Import and Localization in Cold**

**War South Korea** *Jina Ji Youn Hyun,*  
*University of Pennsylvania*

Chair:  
**Clare Kim**, University of Illinois at Chicago

**454. Animals in Motion: Multispecies  
Entanglements in Asian Environments**

Organized Session  
9:15 am to 10:45 am, Thursday, 16 July  
EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Buffalo Power and Bagasse Power: The  
Ecology of Industrialization in Tropical  
Asia** *Guanmian Xu, Peking University*

**A Multispecies Conquest of Zomia: The  
British Raj, the Elephant Paths, and the  
Panthay Mule Caravans in the  
Chin-Lushai Hills** *Yin Cao, Peking  
University*

**Understanding Gender through the Science  
of Bees: Gynocentrism in Modern China**  
*Kan Li, Xi'an Jiaotong-Liverpool University*

**Can Ark Clams Speak? A Planetary Health  
History of 1988 Hepatitis A Outbreak in  
Shanghai** *Yubin Shen, Tsinghua University*

Session Organizer:

**Yubin Shen**, Tsinghua University

Chair:

**Fa-ti Fan**, Binghamton University

**455. Mathematics and Practical Knowledge**

Contributed Paper Session  
9:15 am to 10:45 am, Thursday, 16 July  
EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Counting Discrete Entities in Administrative  
and Legal Documents from the Old  
Babylonian Diyala** *Carlos Gonçalves,*  
*University of São Paulo*

**Reasoning, Procedures, and Computational  
Devices: Explanations to the Arithmetic  
Rules of Positive and Negative Numbers**  
*Jiang-Ping Jeff CHEN, Saint Cloud State  
University, Minnesota*

**Mathematical Notes as a Cognitive Tool: A  
Mesopotamian Perspective** *Robert  
Middeke-Conlin, Max Planck Institute of  
Geoanthropology*

**When Poets Solved Chess Problems: The  
Mnemonics of the Earliest Islamicate  
Knight's Tour** *Majideh Ms Qazizadeh,*  
*University of Exeter*

Chair:  
**Isobel Falconer**, University of St Andrews

**456. Science, Authority, and Circulation**

Contributed Paper Session  
9:15 am to 10:45 am, Thursday, 16 July  
EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Imperial Calculators of China's Qing  
Dynasty** *Xintong Yang*

**West African Scientific Elites Take on  
National Sovereignty** *Angel Pellerej*

**The Establishment of a Developmental  
Research System: Chinese Ocean  
Science (1956-1980)** *Zheng Jian, Fudan  
University*

Chair: **Simone Turchetti**, University of  
Manchester

**457. Food and Health**

Contributed Paper Session  
9:15 am to 10:45 am, Thursday, 16 July  
EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Custom is a Second Nature – The Plasticity  
of Diet and Health before and after the  
Logic of the Calorie** *Adam Bencard,*  
*Medical Museion, University of Copenhagen*

**Sweet Vanilla Poison? The Regulation of  
Coumarin-Produced Vanilla and the  
U.S.-Mexican Responses** *Francisco Javier  
Lopez Vallejo, University of California San  
Diego*

Chair:

**Lisa Haushofer**, University of Amsterdam

**458. Unorthodox Women, Unorthodox Ideas in  
Modern Biological Research**

Organized Session  
9:15 am to 10:45 am, Thursday, 16 July  
EICC: Pentland Auditorium

Participants:

**Gertrud Tobler-Wolff (1877-1948) and  
colonial botany in the Third Reich** *Dorit*

*Maria Nicola Brixius, Dresden University of Technology*

**Making a scientific rebel: Lynn Margulis (1938-2011) and the popularization of the endosymbiotic theory** *Matthis Krischel, Heinrich Heine University Duesseldorf, Germany*

**Barbara McClintock (1902–1992): Listening to the genome beyond the outsider myth** *Felicita Petra Söhner, Heinrich Heine University*

**Agnes Arber (1879–1960): Between romantic morphology and modern biology** *Vera Maximilia Straetmanns, Ruhr-University Bochum*

Session Organizers:

**Vera Maximilia Straetmanns**, Ruhr-University Bochum

**Matthis Krischel**, Heinrich Heine University Duesseldorf, Germany

Chair:

**Stephen P Weldon**, University of Oklahoma

**459. Archaeological Decipherment: Discovery, Conviction, Allure**

Organized Session

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 1 - Platform 5*

Participants:

**The Question of Authority in the Study of Ancient Egyptian Mathematics** *Christopher Hollings, University of Oxford*

**Broken Language: Fractures and Misrecognitions of Maya Sculptural Glyphs** *Charlotte Williams, University of California, Berkeley*

**Attempts to Decipher Ancient Mexican Codices in Austria (1910–1945)** *Peter Rohrbacher, Austrian Academy of Sciences*

**Drawing Conclusions: Inca Quipu Diagrams and a Discredited Decipherment in 1920s Gothenburg** *Manuel Medrano, Harvard University*

Session Organizer:

**Manuel Medrano**, Harvard University

Chair:

**Manuel Medrano**, Harvard University

**460. What Do Museums Do with Collections of Human Remains?**

Roundtable

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 3 - Sidlaw Auditorium*

Session Organizer:

**Trevor M Engel**, University of Texas Medical Branch

Chair:

**Trevor M Engel**, University of Texas Medical Branch

Participants:

**Erin McLeary**

**Sara Ray**, Mütter Museum of The College of Physicians of Philadelphia

**Malcolm MacCallum**, University of Edinburgh

**Laurens de Rooy**, Amsterdam UMC

**461. Ships, Fevers, and Specimens: Cross-Cultural Knowledge in Early Modern Maritime Asia**

Organized Session

*9:15 am to 10:45 am, Thursday, 16 July*

*EICC: Floor, Level 0 - Tinto Suite*

Participants:

**Contested Epistemologies: Chinese Migration and Maritime ‘Spiritual Technologies’ in Early Modern Southeast Asia** *Zhi-Yu Chen, University of Cambridge*

**Contested Labour: Slavery, Agency, and Natural History in Seventeenth-Century Ambon** *Yunting Gu, Fudan University*

**Contested Environments: The Febrile Visions of Canton** *Yijie Huang, University of Heidelberg*

Session Organizer:

**Zhi-Yu Chen**, University of Cambridge

Chair:

**Maria Iulia Florutau**, Uppsala University

**462. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 2**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*Edinburgh Futures Institute: 1.40*

Participants:

**An Analysis of the Controversy Between Steven Weinberg and Chen-Ning Yang Over Large Particle Colliders** *Ce Gao, Shanxi University*

**The Divergence in Scientific Styles between Richard Feynman and Chen-Ning Yang: The Concrete Manifestation of Differences between Chinese and Western Cultures in International Scientific Cooperation** *Peng Peng, Shanxi University*

Session Organizer:

**Li Zhang**, Peking University

Chair:

**Li Zhang**, Peking University

#### **463. Activist Epistemics and Artefacts 2**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.50*

Participants:

**Sapphasaura and the Queer Science of Knowledge Reproduction at the American Museum of Natural History** *Amelia G. Carter, University of Pennsylvania*

**Volatile Biogas: Biotechnopolitics, Activism and Energy Transitions in Perspective** *Jaume Valentines-Álvarez, iHC-UAB*

**Science and Technology in the Anarchist Encyclopedia (1925–1934)** *Mathieu Florian, Sorbonne Université*

**Of Pocket Acorns and Turtle Libraries: Science at the Valencian Environmentalist Movement (1977–1999)** *Max Bautista-Perpinyà, Université catholique de Louvain*

Session Organizers:

**Jaume Valentines-Álvarez**, iHC-UAB  
**Max Bautista-Perpinyà**, Université catholique de Louvain

Chair:

**Laia Iturrizaga-Zurita**, Institut d'Història de la Ciència-Universitat Autònoma de Barcelona

#### **464. Listen: Sound Science Across Time 2**

Contributed Paper Session

*11:00 am to 12:30 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.52*

Participants:

**The PHONLAB Project: Armando de Lacerda and the Coimbra Experimental Phonetics Laboratory (1930-1979)** *Quintino Lopes, Institute of Contemporary History (University of Évora) | IN2PAST*

**The Removal of the Hand: Gesture, Metrology, and Music in Early Voice Acoustics** *Cathy Lucas, UCL*

Chair:

**Alexandra Hui**, University of Toulouse - Jean Jaurès

#### **465. Science and Education 2: Practice**

Contributed Paper Session

*11:00 am to 12:30 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.55*

Participants:

**Max Wolf and Commercialized Lantern Slides: A Complicated Relationship** *Torsten Bendl, Universität Regensburg*

**Women, Science and Evolution in the Late Ottoman Empire** *Seriyye Akan, Binghamton University SUNY*

**Mathematics Students of the Ecole Normale Supérieure de Jeunes Filles de Sèvres: A Long Path towards Academic Careers** *Elisa Dalgalarondo, SPHERE, Université Paris Cité*

#### **466. The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 2**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.60*

Participants:

**The Packages of Knowledge among Late Silk Road Traveler Groups** *Wei Chen, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**The Priority Dispute in Early 20th-Century Chinese Biology: Competing Epistemic Frameworks of Geneticists and Embryologists** *Jiayuan Liang*

**Scientific and Technological Mobilization of Chinese Scientists During World War II** *Gong Wang, Institute for the History of Natural Sciences, Chinese Academy of*

*Sciences; Yang Jian, Tsinghua University*

**The importance of basic science talent cultivation to sustainable development: A historical perspective** *Pu Chen*

Session Organizer:

**Xiaowu Guan**, Institute for the History of Natural Sciences, Chinese Academy of Sciences

Chair:

**Climerio Paulo da Silva Silva Neto**, Universidade Federal da Bahia

**467. Activism, Globalization, and Scientific Societies (2)**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July  
Edinburgh Futures Institute: 2.20*

Participants:

**Globalizing the Conference: A Network Analysis of the General Assemblies of the International Astronomical Union (1922-1991)** *Joris Vandendriessche, KU Leuven*

**M.G.K. Menon and the South-South Scientific Shift: India's reorientation towards the Global South in the late 20th Century** *George Bailey, KU Leuven*

**Institutionalizing 'Third World Science': Postcolonial Solidarity and the Third World Academy of Sciences (1980s-1990s)** *Anna Cabanel, KU Leuven*

Session Organizer:

**Anna Cabanel**, KU Leuven

Chair:

**Els Minne**, KU Leuven

**468. UNEARTHED II: Res inanimatae in Late Medieval and Early Modern Medicine**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July  
Edinburgh Futures Institute: 2.35*

Participants:

**The Role of the Lapidary as a Purveyor of Mineral Materia Medica in Early Modern London** *Nichola Harris, SUNY, Ulster*

**La Serenissima in Vial and Powder: Mineral Remedies in the Ricettari of Early Modern Venice** *Sarah Seinitzer, Universität Wien /*

*Università di Bologna*

**Stones, Remedies, and Revolutions: Ulisse Aldrovandi Between Lapidaries and Paracelsianism** *Monica Azzolini, University of Bologna*

Session Organizers:

**Monica Azzolini**, University of Bologna  
**Sarah Seinitzer**, Universität Wien / Università di Bologna

Chair:

**Tina Asmussen**, Ruhr University Bochum / German Mining Museum Bochum

**469. New Insights in the History of Chinese Science 2**

Contributed Paper Session

*11:00 am to 12:30 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Carrick Suites 1*

Participants:

**Inventing Ethnicity: Dialect Atlases and Language Surveys in Modern China, 1925-1950** *Qi Hong, University of Toronto*

**Chinese Physics? The History of Knowledge through the Lens of Fang Yizhi's Wuli Xiaozhi** *Shu-wei Hsu, Institute of Social Research and Cultural Studies, National Yang Ming Chiao Tung University*

**"Who Knows?" Fengshui's Epistemology of Uncertainty and the Plural Worlds of Rural China** *Yuan zhang, University of Oxford*

**Disease, Space, and Text: The Making of Stimulant Culture in the Modern City** *Yuqi Jin, University of Auckland*

Chair:

**Shellen Wu**, Lehigh University

**470. Plants and Knowledge**

Contributed Paper Session

*11:00 am to 12:30 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Carrick Suites 2*

Participants:

**Challenging New Seeds: Scientific and Vernacular Exchanges in the Iberian Peninsula Before the 19th-Century** *Dulce Freire, University of Coimbra*

**Toxic Knowledge and Invisible Expertise: Reassessing Zhou Ziliang's "Ascension Drug" in Sixth-Century China** *Dongyue*

Xue

**Bookplates and the Trans-memory of Images: The Case of Botany** *Ana Cristina Martins, Universidade de Évora | IHC-polo Universidade de Évora / IN2PAST*

Chair:

**Xan Chacko**, Brown University

#### 471. Objectivity Reconsidered

Contributed Paper Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Competing Authorities: The Reality Status of Coloured Shadows** *Malin John Starrett, Independent Researcher*

**Scientific Knowledge Considered as a Series of Tensions: Cases in Map Production c.1875-1925** *Jane Wess*

**The Gendered Order of Legitimate Knowledge: Institutional Epistemicide in the Twentieth Century** *Maria - Amiridi-Wiedenmayer, National and Kapodistrian University Athens*

**The Numbers Don't Lie: The Making of a Statistical Fact** *Sofia Varino*

Chair:

**Charis M. Wolf**, University of Edinburgh

#### 472. (Re)thinking Histories of Disease in the "Tropics" (II)

Organized Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**The politics of immunity in 20th century malaria interventions: a Soviet perspective** *Marek Robert Eby, University of Leeds*

**Tropical diseases and biomedicine's mundane technologies** *Edna Suárez-Díaz, Universidad Nacional Autónoma de México*

**Immunology in the Tropics: Malnutrition, Infection, and Immunodeficiency** *Anin Luo, Princeton University*

Session Organizers:

**Edna Suárez-Díaz**, Universidad Nacional Autónoma de México

**Timothy Sim**, University of Cambridge

Chair:

**Bogdan Cristian Iacob**, "Nicolae Iorga" Institute of History (Romanian Academy); Institute for Habsburg and Balkan Studies (Austrian Academy)

#### 473. Making and Circulating Images, Their Impact and Influences on Different Fields of Science 2

Organized Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**Hercule Florence's photographic images in Brazil, 1833: history and materiality** *Francis Melvin Lee*

**Images in the journal História, Ciência, Saúde – Manguinhos (1994-2025): an overview of documentation and analysis.** *Ermelinda Moutinho Pataca, University of São Paulo*

**Science on Screen: Images and Typologies of the Scientist in Brazilian Dystopian Cinema (1964-1985)** *Renan Siqueira da Silva*

Session Organizers:

**Breno Moura**, UFABC, Brazil

**Ermelinda Moutinho Pataca**, University of São Paulo

Chair:

**Ermelinda Moutinho Pataca**, University of São Paulo

#### 474. Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge II

Organized Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 1 - Harris Suite 1

Participants:

**From Herbal Remedy to Pill and back again: The Tale of the Traditional Chinese medicine Mahuang in the United States 1920 - 2000s** *JJ Strange, University of Wisconsin–Madison*

**Pharmaceutical Overwriting of Regional Ethnicity and Botany: Indigenous**

**Medicinal Plant Knowledge in Western China** *Lena Springer, King's College London*  
**Trade, politics, and ideology: Making plant medicines 'official' in British India, 1860-1960** *Stuart Anderson, London School of Hygiene and Tropical Medicine*

Chair:

**Matti Leprêtre**, Sciences Po Paris / EHESS

#### **475. Epidemic and Illness in the Modern Era 2**

Contributed Paper Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 1 - Harris Suite 2*

Participants:

**The Shape of an Epidemic: Line Graphs and Plague Imaginations in British Hong Kong** *Jiangtao Harry Gu, Hobart and William Smith Colleges*

**Unruly Expertise: The Performance of Coherence and Stabilisation of Meaning in the BSE/vCJD Crisis** *Isobel Newby, University of Leeds*

**From West to East and Beyond: Translating and Localizing HIV/AIDS Expertise in Postsocialist Poland, 1985-1995** *Katarzyna Szarla, University of Warsaw*

Chair:

**Janka Kovács**, Eötvös Loránd University

#### **476. Mediating Meteorology: Communicating Climate and Weather Knowledge from Antiquity to the Present**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 0 - Kilsyth Suite*

Participants:

**Between Stars and Stones: Public Weather Reporting in Antiquity** *Angelo Gargiulo, Ghent University*

**Learning to Sense the Skies: Meteorological Practices, Communication, and the Co-Creation of Weather Knowledge (1700–1860)** *Valentine Delrue, Ghent University*

**Code red! Extreme weather and changing cultures of prediction, 1860-2010** *David Baneke, Utrecht University*

Session Organizer:

**Valentine Delrue**, Ghent University

Chair:

**Tamara Caulkins**, Central Washington University

#### **477. The Image of Astronomy**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lammermuir 1*

Participants:

**The image of astronomy – Visualising public ideologies of science** *Martin Bush, University of Melbourne*

**The image of astronomy – Reviewing the scientific representation of First Peoples** *Kevin Orrman-Rossiter, University of Melbourne*

**The image of astronomy – Hybrid practices in astronomical image-making between plate and pixel** *Carl Joseph Scigliano, University of Melbourne*

Chair:

**Martin Bush**, University of Melbourne

#### **478. Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources from the 17th Century 2**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lammermuir 2*

Participants:

**Against All Superstition: Geminiano Montanari's Scientific Adventure Between Bologna and Padua** *Valeria Zanini, National Institute for Astrophysics (INAF), Astronomical Observatory of Padua, President of SISFA*

**Reconstructing the Birth of Transient Astronomy in the Age of Cassini** *Giangiaco Gandolfi, Astronomical and Copernican Museum in Rome, National Institute for Astrophysics (INAF), Astronomical Observatory of Rome*

**Longitude Measurements and the Reform of Cartography in Early Modern Europe: the Scientific Correspondence between Giovan Domenico Cassini and Luigi Ferdinando Eugenio Bertozzi** *University of*

*Bologna; Laura Rigotti, University of Bologna*

Session Organizers:

**Ivana Gambaro**, University of Genoa, SISFA, Cassini 400 Committee

**Valeria Zanini**, National Institute for Astrophysics (INAF), Astronomical Observatory of Padua, President of SISFA

**Luís Carolino**, ISCTE-Instituto Universitário de Lisboa, CIES

Chair:

**Rebekah Higgitt**, National Museums Scotland

**479. Tried and (Con)tested: Sensory Knowledge and Food Production, 900-1800**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lennox 1*

Participants:

**Playing with Your Food? Marvel, Entertainment, and Deception in Mediaeval Arabic Technical Sources** *Lucia Raggetti, University of Bologna*

**From Seeds to Wine: The Sensory Knowledge of Grapes in Renaissance Italy** *Viktoria von Hoffmann, University of Liège*

**Sweet poison? Sensory knowledge and chemical testing of wines in the eighteenth-century Low Countries** *Marieke Hendriksen, Huygens Institute, Royal Netherlands Academy of Arts and Sciences (KNAW)*

Session Organizer:

**Marieke Hendriksen**, Huygens Institute, Royal Netherlands Academy of Arts and Sciences (KNAW)

Chair:

**Elaine Leong**, University College London

**480. Dark Waters: Constructing Aquatic Predators in Science and Culture**

Roundtable

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lennox 2*

Session Organizer:

**Mark V. Barrow**, Virginia Tech

Chair:

**Mark V. Barrow**, Virginia Tech

Participants:

**Janet M Davis**, University of Texas at Austin

**Jason Colby**, University of Victoria

**Michaela Jane Thompson**, Harvard University

**Mark V. Barrow**, Virginia Tech

**Simon Pooley**, Birkbeck, University of London

**481. Taming Psychotherapy: From Radical Experiment to Standards of Practice (1960-2000)**

Organized Session

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lennox 3*

Participants:

**No pain, no gain? Countering encounter groups in the 1960s and 70s** *Ulrich Koch, George Washington University*

**From intergenerational radicalism to manualized treatments: CBT's transformations from the 1960s to 2000s** *Sarah Marks, Birkbeck, University of London*

**Contested Therapeutics of Empowerment: Feminists and Psychotherapy** *Stéphanie Pache, Université du Québec à Montréal*

Session Organizers:

**Ulrich Koch**, George Washington University

**Sarah Marks**, Birkbeck, University of London

Chair:

**Jill Morawski**

Commentator:

**Jill Morawski**

**482. Book Roundtable: Jessica Riskin, The Power of Life: The Revolutionary Science of Jean-Baptiste Lamarck**

Roundtable

*11:00 am to 12:30 pm, Thursday, 16 July*

*EICC: Floor, Level 1 - Lowther*

Chair:

**Ludmilla Jordanova**, Durham University

Participants:

**Eva Jablonka**, Cohn Institute for the History and Philosophy of Science, Tel Aviv University

**Perig Pitrou**, CNRS and Maison Française d'Oxford

**Gregory Radick**, University of Leeds

**Stéphanie Van Damme**, Maison Française d'Oxford

**Jessica Riskin**, Stanford University

**483. Cosmologies Ancient and Early Modern**

Contributed Paper Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 1 - Menteith

Participants:

**Technological Metaphors and the Place of the Cosmos in Achilles' Aratus**  
**Commentary** *Daryn Lehoux, Queen's University*

**Pedro Ciruelo and the Mathematical Perspective of Theological Cosmology**  
*Jialin Zhang*

**Pluralist Locations and Authority in Flux: The Case of Copernicus and the Scottish Office in Paris** *David Malcolm McOmish, Ca' Foscari, University of Venice*

Chair:

**Thomas James Banbury**, University of Cambridge

**484. New Histories of Cold War Scientific Exchange**

Contributed Paper Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 2 - Moffat

Participants:

**Seeking the Master Switch: Per Scholander and Cold War Marine Physiology** *Antony Adler, Carleton College*

**Disrupting Socialist Science and Technology Diplomacy: Hungarian Technical Universities and the End of the Global Cold War** *Jules Siran, University of Geneva*

Chair:

**Matthew Adamson**, McDaniel College, Budapest

**485. Shifting Perspectives on Disease Entities**

Organized Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Negotiating Autoimmunity: Experiential Knowledge and Material Practice in Reshaping Rheumatoid Arthritis in the U.S., 1950-1970** *Sofia Grant, Johns Hopkins*

*University*

**The Making of "Diseases of Culture": Diet, diagnosis, and modernity in early twentieth century Denmark** *Andreas Schmidt Eriksen, University of Copenhagen*

**Around the world in a paraffin block: Cancer, classification and circulating human remains** *Tricia Close Koenig, University of Strasbourg*

**Classificatory histories of cancer and diabetes** *Karin Tybjerg, University of Copenhagen*

Session Organizers:

**Karin Tybjerg**, University of Copenhagen  
**Sofia Grant**, Johns Hopkins University

Chair:

**Jenny Bangham**, University of Edinburgh

**486. Practising Medicine in Colonial India**

Contributed Paper Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Epidemics in the Margins: A History of Cholera in Chotanagpur and Santal Parganas of Colonial India and the Construction of the Cholera 'Disease-scapes' (1865-1900)** *Indranil Pramanik, Indian Institute of Technology Madras; John Lourdasamy, Indian Institute of Technology*

**Subaltern Petitions and the Making of a Medical Counter-Archive in Colonial India** *Shubham Pathak, Indian Institute of Technology, BHU, Varanasi, India; Vinita Chandra, Indian Institute of Technology (BHU) Varanasi, India*

**Sacred Experiments: Imperial medicine, Christianity and Patient Resilience in British Indian Leper Asylums** *Shinjini Das, University of East Anglia*

Chair:

**Akshita Hazarika**, Binghamton University

**487. The Politics of Standardization**

Contributed Paper Session

11:00 am to 12:30 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Metrication and Mesures Usuelles: A Survey of the Metre's Tacit History** *Svit Komel, University of Ljubljana*

**Standardizations and Other Histories of Measurement in Modern China** *Yi Ci Lo, NUS College, National University of Singapore*

**The Scandal of Ephemeris Time: A New Astronomical Definition of the Second in the Age of Atomic Clocks, 1955-1967** *Ion Mihailescu, University of Neuchâtel*

**Carrying the Second: Flying Clocks, Scientific Diplomacy, and the Redefinition of Time** *Julien Gressot, Université de Neuchâtel*

Chair:

**Sara Bassanelli**, Politecnico di Torino

**488. The Science, Sensation, and Schism of Medical Electricity**

Organized Session

11:00 am to 12:30 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Platform 5

Participants:

**Electric Fish, Colonial Space, and Multi-Species Knowledge Circulation in the Eighteenth-Century Greater Caribbean** *Soile Ylivuori, University of Helsinki*

**A Universal Remedy or Bogus? The Coverage of the Contested Science of Medical Electricity in Mid-Eighteenth-Century German Newspapers** *Stefan Schröder, University of Helsinki*

**Scientific Optimism, Skepticism, and Developing Methodology in Medical Electricity in Sweden and Finland** *Saara-Maija Kontturi, University of Helsinki*

**A Spectacle of Science: Medical Electricity, Performance and Gender** *Edna Huotari, University of Helsinki*

Chair:

**Saara-Maija Kontturi**, University of Helsinki

**489. Do Individuals Matter? Character, Community, and Controversy in the History of Science**

Organized Session

11:00 am to 12:30 pm, Thursday, 16 July  
EICC: Floor, Level 3 - Sidlaw Auditorium

Participants:

**John Tyndall's "Incommunicable" Scientific Method** *Ian Hesketh, University of Queensland*

**Rethinking Personality in the History of Science: The Case of Quantum Orthodoxy** *Kristian Camilleri, University of Melbourne*

**Character, Context, and Feminist Intervention in Primatology** *Samara Greenwood, University of Melbourne*

Session Organizer:

**Ian Hesketh**, University of Queensland

Chair:

**Erika Lorraine Milam**, Princeton University

**490. A New CERN History Project: Charting the Story of the World's Foremost Laboratory for Particle Physics**

Business Meeting

1:00 pm to 2:00 pm, Thursday, 16 July  
EICC: Floor, Level 2 - Lammermuir 1

Chair:

**Barbara Hof**, University of Lausanne

Participants:

**James Gillies**, CERN

**Rüdiger Voss**, CERN

**Tullio Basaglia**, CERN

**491. HSS Business Meeting**

Business Meeting

1:00 pm to 2:00 pm, Thursday, 16 July  
EICC: Pentland Auditorium

Chair:

**Soraya de Chadarevian**, University of California, Los Angeles

Participants:

**Suman Seth**, Cornell University

**Matthew Shindell**, Smithsonian National Air and Space Museum

**Samantha Muka**, Stevens Institute of Technology

**Elise K Burton**, University of Toronto

**Projit Bihari Mukharji**, Ashoka University

**John Paul Gutierrez**, History of Science Society

**492. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 3**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

Edinburgh Futures Institute: 1.40

Participants:

**How Global Are “Global” Fields?**

**Free-Energy Molecular Modeling as a Computational Case** *Daniele Macuglia, Peking University*

**Encoded Sovereignities, Decoded**

**Governance: Technical Mediation of Authority in the Chinese Domain-Name Controversy** *Qi Cao, Peking University*

**The 15th World Petroleum Congress:**

**Sovereignty, Interests, and Ideology from the Perspective of Science Technology and Diplomacy** *Fan Peng, Peking University*

Session Organizer:

**Li Zhang**, Peking University

Chair:

**Li Zhang**, Peking University

**493. Activist Epistemics and Artefacts 3**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

Edinburgh Futures Institute: 1.50

Participants:

**“Irresponsible Questions?” Activist Criticism of the Global Pesticide Trade during the 1980s and 1990s** *Sarah Anja Ehlers, Institute for the History of Science and Technology, Deutsches Museum, Munich, Germany*

**Advocate Expertise and the Making of Global Climate Assessments in the 1990s** *Carolina Granado-Torres, Universitat Autònoma de Barcelona*

**Sciences from the Margins: Activist Citizen Science and Colonial Commandment at 2-Torrão Precarious Settlement, Portugal** *João cão Duarte*

Session Organizers:

**Max Bautista-Perpinyà**, Université catholique de Louvain

**Laia Iturrizaga-Zurita**, Institut d'Història de la

Ciència-Universitat Autònoma de Barcelona

Chair:

**Jaume Valentines-Álvarez**, iHC-UAB

**494. Domesticating Technologies in the 20th Century**

Contributed Paper Session

2:30 to 4:00 pm, Thursday, 16 July

Edinburgh Futures Institute: 1.52

Participants:

**Spin Doctors: How Wool Science Fashioned a Mid-Century Debate between Tradition and Convenience** *Monica Stenzel, University of Leeds*

**Fighting Fire, Fighting Fraud: Home Fire Protection Equipment and the Market** *Alexander Ian Parry, University of Rochester Medical Center*

Chair:

**Joanna Behrman**, University of Copenhagen

**495. Science and Education 3: Making Expertise**

Contributed Paper Session

2:30 to 4:00 pm, Thursday, 16 July

Edinburgh Futures Institute: 1.55

Participants:

**Little Pharma: Reference Tools, Industry Interests, and the Quest for Therapeutic Reform** *Andrew Lea, University of Rochester*

**Wolffian or Newtonian Textbooks - Jens Kraft and the Creation of an 18th-Century Epistemic Community** *Marcus Lee Naldal, Aarhus University, Denmark*

**Kexue Xiaopinwen and Mass Science Education in Wartime and Revolutionary China** *Miao Feng, Institute of Modern History, Chinese Academy of Social Sciences*

**Between Thought Collectives and Think Tanks: Laboratorium Psychoedukacji as Countercultural Capitalistic Avant-Garde in the Late Socialist Poland** *Andrzej Frączyk, University of Lodz*

**496. The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 3**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.60

Participants:

**The Invention of the Finite Element Method: A Global Perspective and China's Contributions** *Tao Wang, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**The Route of V-2 Technology Transfer from Germany to the USSR, and on to China** *Fang Wang, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**The Introduction and Self-Reliance of Pressurized Water Reactors in China** *Yue Chen, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**The Rapid Development of Neodymium Iron Boron Permanent Magnets in China during the 1980s and 1990s and Its Impact on the World** *Lie Sun, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

**China's Breakthroughs in Non-Accelerator High-Energy Physics: A Case Study of the Precise Measurement of the Neutrino Mixing Angle  $\theta_{13}$  by the Daya Bay Reactor Neutrino Experiment** *Jinyan LIU, Institute for the History of Natural Sciences, Chinese Academy of Sciences*

Session Organizer:

**Xiaowu Guan**, Institute for the History of Natural Sciences, Chinese Academy of Sciences

Chair:

**Danian Hu**, Southern University of Science and Technology

**497. A New Kind of Amusement for Cultivating the Mind: Science Popularisation in Britain and Italy in the Long Eighteenth Century**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July  
Edinburgh Futures Institute: 2.20

Participants:

**“Ognuno fa i maravigliosi fenomeni della virtù elettrica”**. Italian itinerant demonstrators and the diffusion of electrical knowledge in Northern Italy between 1745 and 1755 *Lorenzo Voltolina, University of Padua*

**Public Science Lecturing in Britain (1700-1820)** *Plamena Panayotova, University of Glasgow*

**Popular with the people: Local visitors in the Museum of Physics and Natural History of la Specola (Florence, 1780s)** *Elena Romero-Passerin, University of Bristol*

**All the planets are similar to our Earth, and may well be inhabited. Plurality of worlds in 18th-century Italy** *Lorenzo De Piccoli, University of Pisa, University of Florence*

Chair:

**Isobel Falconer**, University of St Andrews

**498. Translating Technologies and Images: a Context for Textual Knowledge-Making across Early Modern Cultural Spheres**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July  
Edinburgh Futures Institute: 2.35

Participants:

**What's in a name? Visual Botanical Translations between Ottoman Empire and Early Modern Europe** *Duygu Yildirim, University of Tennessee, Knoxville*

**A Mongolian Anatomical Translation of a Manchu Text: the Making of Early Modern Cultural Knowledge** *Sare Aricanli, Durham University*

**An Ottoman Sufi's Interpretation of 'New Astronomy'** *Xiwen Yang, University of California, Davis*

Session Organizers:

**Sare Aricanli**, Durham University  
**Duygu Yildirim**, University of Tennessee, Knoxville

Chair:

**Hansun Hsiung**, Durham University

**499. Histories of Climate and Environment 2: Knowing**

Contributed Paper Session  
2:30 to 4:00 pm, Thursday, 16 July  
Edinburgh Futures Institute: 3.35

Participants:

**Proxying Climate and Forecasting Epidemics in Late Colonial India** *Philip Jagessar, King's College London*

**Revisiting Climate Science and Politics in the 1960s and 1970s: The Role of Simple Climate Models** *Sang-Hyun Kim, Sogang University*

**Tracing Chaos Theory in the Contemporary Environmental Imagination** *Gemma Curto, University of Liverpool*

**Sustainability Beyond the Iron Curtain: A Brief History of Sozology** *Jan Możdżyński, Polish Academy of Sciences*

Chair:

**Cyrus C. M. Mody**, Maastricht University

**500. The Health of Animals 1**

Contributed Paper Session  
2:30 to 4:00 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Animal and Machine: Investigating the Role of Machines in Ancient Greco-Roman Veterinary Healing Encounters** *Katherine Petrusek, University of Exeter*

**Logistical Medicine in Early China: Veterinary Recipes, Frontier Risk, and the Contested Science of the Relay Horse** *fang wu, The University of Chicago*

Chair:

**Tom Quick**, Independent Scholar

**501. Science and Literature**

Contributed Paper Session  
2:30 to 4:00 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**Physics and Literature: The Physical Sciences as Reflected in the Works of John Updike** *Helge Stjernholm Kragh, University of Copenhagen*

**Species Identification and Literary**

**Hermeneutics (1662-1749)** *Bethany Kidd, UCL*

**The Alchemy of Material and Economic Welfare: Scientific Knowledge in the Literary Record of the Arabic Revival in the Late 19th-Century** *Sarah Sabban*

Chair:

**Genevieve Warwick**, University of Edinburgh

**502. Building Disciplines**

Contributed Paper Session  
2:30 to 4:00 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Learning and Adapting Veterinary Science for the Papal States: Giuseppe Oddi's Mission to France (1805-1806)** *Marco Emanuele Omes, University of Milan*

**"Those Who "Don't Know Constellations": Building Astrophysics in France (1940s-1960s)** *Véronique Gillier, ENS de Lyon*

**"Little Boxes All the Same" ? Or How the Doctorate became a Research Degree (France, 19th-Century)** *Pierre Verschueren, Université Marie et Louis Pasteur and Institut universitaire de France*

Chair:

**Libby O'Neil**, Mississippi State University

**503. (Re)thinking Histories of Disease in the "Tropics" (III)**

Organized Session  
2:30 to 4:00 pm, Thursday, 16 July  
EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Development before health? Standardizing dengue fever control in postwar Southeast Asia** *Timothy Sim, University of Cambridge*

**Feeling Mosquitoes: The Politics of Dengue and Human-Mosquito Relationality in the Garden City** *Xinyi Huang*

Session Organizer:

**Timothy Sim**, University of Cambridge

Chairs:

**Edna Suárez-Díaz**, Universidad Nacional Autónoma de México

**Marek Robert Eby**, University of Leeds

**504. Colonial Legacies, Infrastructural Entanglements: Cosmic Infrastructures in Hawai'i, California, and South Africa**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**Colonial and Social History as Dark Matter: Building Giant Telescopes on Hawai'i's Most Revered Mountain (1960s-Present Day)** *Pascal Marichalar*

**Settler Colonial Infrastructures: Tracking Space from Apartheid South Africa** *Asif Siddiqi, Fordham University*

**Infrastructural Adjacencies: Chumash Histories, Archaeology, and SpaceX Operations at the Vandenberg Space Force Base** *Lisa Parks; Sophia Abbey*

Session Organizer:

**Asif Siddiqi**, Fordham University

Chair:

**James Schwoch**

**505. Science and Technology in Post-1949 China**

Contributed Paper Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 1 - Harris Suite 2

Participants:

**Crosstalk: Unmuting the History of the Broadcasting-telephony Network in Maoist China** *Min Gao, London School of Economics and Political Science*

**An "Eastern Scientific Revolution": Somatic Science and the Epistemic Instability of Post-Mao China (1979-1999)** *Yanlin Lu, Princeton University*

Chair:

**Yin Cao**, Peking University

**506. Metabolic Frontiers: Transforming Matter and Energy in the 20th Century**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 0 - Kilsyth Suite

Participants:

**The "Blue Revolution" that never was? Harvesting plankton to feed a hungry world, 1920s-1950s** *Zi Yun Huang, University of Chicago*

**"Local contamination requires local metabolism": The Making of Microbial Indigeneity** *Danhue J. Kim, Massachusetts Institute of Technology*

Session Organizers:

**Zi Yun Huang**, University of Chicago

**Danhue J. Kim**, Massachusetts Institute of Technology

**Boyd Ruamcharoen**, Harvard University

Chair:

**Zi Yun Huang**, University of Chicago

**507. Actors, Agents, and Experts in Computing and AI: Decision-making and Contested Authority in Automated Realms**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Locating Authority over AI Agents in the 1990s: Novice Users vs Expert Programmers** *Elizabeth Petrick, Rice University*

**Agency, Politics, and Ideology in the Histories of Japanese Robotics** *Yulia Frumer, Johns Hopkins University*

Session Organizer:

**Andrew Meade McGee**, Smithsonian Institution

Chair:

**Allison Marsh**, University of South Carolina

**508. Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 1**

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Building the Eclipse Enterprise: Administration, Diplomacy, and the Making of British Eclipse Expeditions** *Jesse Garrison, University College London*

**An 1860 eclipse expedition by a "simple amateur": d'Abbadie at Briviesca** *Frédéric*

*Soulu, Academie des sciences of Paris*  
**Exhibiting the Eclipse: Victorian Visual Culture and the Norman Lockyer Observatory Image Archive** *Beatrice Honey Steele, University of Exeter*

**“even if the other man is a lady or a camera”:** Women and the British Astronomical Association Expeditions  
*Megan Briers, Max Planck Institute for the History of Science*

Session Organizers:

**Megan Briers**, Max Planck Institute for the History of Science

**Jesse Garrison**, University College London

Chair:

**David Aubin**, Sorbonne Université

**509. The Sciences of the Artificial: Modern Science and Design Expertise**

Organized Session

*2:30 to 4:00 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lennox 1*

Participants:

**Plastic Design Expertise: The Filament Wound House and Cold War Politics of Housing and Development** *Daniela Diaz Blancarte, Harvard University*

**Making Problem Situations: from Psychology to Design** *Henry Schmidt*

Chair:

**Henry Schmidt**

**510. Necro-geographies: Extractive Beforemaths and Ecological Afterlives of War**

Roundtable

*2:30 to 4:00 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lennox 2*

Session Organizers:

**Patrick Anthony**

**Shreya Khaund**, Warwick University

Chair:

**Lauren Dempster**

Participant:

**Pinar Dinç**, Lund University

**511. Seeing Health: Representing Medical Knowledge in Early Modern period**

Organized Session

*2:30 to 4:00 pm, Thursday, 16 July*

*EICC: Floor, Level 2 - Lennox 3*

Participants:

**The Society’s Eye: Representation, Reception, and Propaganda in Jesuit Works of Medicine and Botany in China** *Alessandro Tripepi*

**On the Surface of Paradox: supporting experimental discovery and resisting clinical innovation in Redi medical and experimental practices.** *Noemi Di Tommaso, Università degli Studi di Milano*

**Tabulating Medical Knowledge: Paper Technologies and Inoculation Experiments in Targioni Tozzetti’s Journals (1756)** *Gianluca Magro*

Session Organizer:

**Noemi Di Tommaso**, Università degli Studi di Milano

Chair:

**Maria Conforti**, Università di Roma

**512. Living/Thinking in Monstrous Times**

Roundtable

*2:30 to 4:00 pm*

*EICC: Floor, Level 1 - Lowther*

Session Organizers:

**Beans Velocci**, University of Pennsylvania

**Ashton Wesner**, Colby College

Chairs:

**Beans Velocci**, University of Pennsylvania

**Ashton Wesner**, Colby College

Participants:

**Beans Velocci**, University of Pennsylvania

**Angélica Clayton**, University of Pennsylvania

**Ashton Wesner**, Colby College

**513. Divining Heaven and Earth**

Contributed Paper Session

*2:30 to 4:00 pm, Thursday, 16 July*

*EICC: Floor, Level 1 - Menteith*

Participants:

**Arnoul de Quincampoix: Physician, Translator, and Astrologer at the French Court in the Early Fourteenth Century** *Florence Ninitte*

**Confessional Encyclopaedic Cosmography: Sebastian Muenster and Johannes Rauw**

*Adam Mosley, Swansea University*

**Newton and Islam: Arabic Scholarship and the Plural Sciences of Prophecy and Chronology** *Fyza Parviz Jazra, Stanford*

**Making Communication Common: Information Architecture, Classificatory Schemes and Reference Aids in the Repositories of Early Scientific Societies** *Ewa Zakrzewska, European University Institute*

Chair:

**Brant Vogel**, Independent Scholar

#### 514. Science and World War 2

Contributed Paper Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 2 - Moffat

Participants:

**A Few Spanish Republicans: Breaking the Enigma before Bletchley Park** *Jordi Fornes, Universitat Politècnica de Catalunya; Alba Rebull, Universitat Politècnica de Catalunya*

**Neurosurgeons Across Borders: Wilder Penfield, William Cone, and the Transatlantic Circulation of Medical Expertise During the Second World War** *Ithiele Princesse Tsamo Tiobou, McGill University*

**Operation Aphrodite: Reconsidering the United States' First Drone Bombing Mission** *Garrett McKinnon, North Carolina State University*

**Sculpting Oppenheimer's Legacies** *Aimee Slaughter*

Chair: **Peder Roberts**, *University of Oslo*

#### 515. Contested Skies: Plural Cosmologies and Sino-European Exchanges of Astronomical Knowledge in China, 16th–20th Centuries

Organized Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**Calibrating the Heavens: Widening Participation and the Reconfiguration of Astronomical Practice in the 16th-Century Ming China** *Dake Meng, University College*

*London*

**Astronomy on the Threshold: Giacomo Rho's Tychonic Compromise in Late Ming China** *Ruiji Zhang, Stanford University*

**Measuring the World for Empire: The Qingdao Royal Observatory, the "Beijing Sextant," and Sino-German Visions of World Order (c. 1898–1930)** *Yishu Chen, University of Göttingen*

Chair:

**Yishu Chen**, *University of Göttingen*

#### 516. Rewriting the Histories of Algebra

Contributed Paper Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Boole Before "Boolean": George Boole, Arthur Cayley, and Plural Mathematics in Debate** *Guanyu Shen*

**Diagrams, Demonstrations and Experience in the Ars Magna (1545) of Girolamo Cardano** *William B Branson, St. Cloud State University*

**The Values of Numbers: The Roots of European Proto-symbolic Algebra in Late medieval Commercial Capitalism** *Raffaele Danna, Sant'Anna School of Advanced Studies*

**Something that Can Stand for Anything: The Unknown Against the Backdrop of 14th-Century Accounts of Quantity** *Clelia Crialesi*

#### 517. Fishing for Science

Contributed Paper Session

2:30 to 4:00 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Saving the Fish: International Knowledge, Fish Passes and the Rise and Fall of Maoist Environmentalism, 1966-1982** *Yichuan Chen*

**Canning the Caste: A Cure for Tainted Fisheries in Colonial Madras, India** *Muthuvel Deivendran, University of Houston*

**Fisheries Research Vessel Explorer: Mapping Networks Reconnecting the**

**History of Scotland's Marine Science in the North Sea** *Meredith Clare Greiling, National Museums Scotland*

Chair:  
**Roland Wittje**, University of Oslo, Norway

**518. Sciences of Disaster**

Contributed Paper Session  
2:30 to 4:00 pm, Thursday, 16 July  
EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Icebergs as Titanic villains, or Climate Victims: How Icons Shape Ice Sciences and Ocean Technologies** *Mark Carey, University of Oregon*

**Cosmologies That Forget Their Sky: Indigenous Astronomy, Ruptured Landscapes, and the Uneven Catastrophe of the Anthropocene** *Meng-Chieh Tsai, Edinburgh Futures Institute, University of Edinburgh*

Chair:  
**Leah Malamut**, University of Minnesota

**519. Contested Mesmerism, a Plural Medical Science in Global Perspective**

Organized Session  
2:30 to 4:00 pm, Thursday, 16 July  
EICC: Floor, Level 0 - Tinto Suite

Participants:

**The Diffusion of Mesmerism in Switzerland (1780s) : a Largely Uncontested Practice** *Lisa Magnin, Université de Fribourg (Suisse)*

**Publications on mesmerism between 1780 and 1870: a bibliographical analysis of a contested medical science** *Bruno Belhoste, Université Paris 1 Panthéon Sorbonne*

Chair:  
**Bruno Belhoste**, Université Paris 1 Panthéon Sorbonne

**520. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 4**

Organized Session  
4:15 pm to 5:45 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.40

Participants:

**The "Expelled" Founding State: The split between The International Arctic Science Committee and Russia** *Liyang Chen, Jilin University*

**The Forgotten Recipe: Knowledge Discontinuity in Ancient Chinese Meat-Based Winemaking and the Boundaries of Scientific Exchange with Ancient Western Asia** *Yunbo Zhao, Shanxi University*

**From Chang'an to Fergana: Narrative Controversies, Diverse Perspectives, and New Paradigms of Civilizational Exchange in Archaeological Cooperation Between China and Central Asian Nations** *Baodong Zeng, Jingdezhen Ceramic University*

Session Organizer:  
**Li Zhang**, Peking University

Chair:  
**Li Zhang**, Peking University

**521. Pestilence and the Weather: The Environmental Framing of Epidemics in Global Antiquity**

Organized Session  
4:15 pm to 5:45 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.50

Participants:

**A Waterless Flood: Epidemics in Ancient Mesopotamia** *Troels Pank Troels Pank Arbøll, University of Copenhagen*

**Forecasting Plague: Astrology and Epidemics in the Roman Empire** *Rebecca Flemming, University of Exeter*

**Wind, Water, Place, and Time: Epidemics in Ancient India and Greece** *Vitus Angermeier, Austrian Academy of Sciences*

Session Organizer:  
**Rebecca Flemming**, University of Exeter

Chair:  
**Calloway Scott**, University of Cincinnati

**522. Attuning to Multispecies Worlds: Farmed Animals, One Health, and Shifting Scientific Practices in Modern China**

Organized Session  
4:15 pm to 5:45 pm, Thursday, 16 July

Edinburgh Futures Institute: 1.55

Participants:

**Draft Animals and their Taskmasters in Mao-Era Communes** *Jongsik Christian Yi, Korea Advanced Institute of Science & Technology (KAIST)*

**From Mixed Grain to Compound Feed: The Making of Modern Animal Production in Reform-era China** *Yixuan Li, University of Manchester*

**Modelling Life: How AI Reconfigures Disease, Labour, and Multispecies Relations in China's Pig Corporates** *Kin Wing Chan, Royal Agricultural University*

Session Organizers:

*Yixuan Li*, University of Manchester  
*Jongsik Christian Yi*, Korea Advanced Institute of Science & Technology (KAIST)  
*Kin Wing Chan*, Royal Agricultural University

Chair:

*Meng Zhang*, University of Manchester

**523. Natural Knowledge at the Edge of East Asia: Creating Epistemologies of Taiwan's Environment from the Seventeenth Century to the Cold War**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July  
Edinburgh Futures Institute: 1.60

Participants:

**From Earth Qi to Filthy Qi: Transforming Miasmatic Knowledge and Epidemic Etiology in Chinese Medicine** *Ling-yi Tsai, Vanderbilt University*

**Colonial Smellscapes: Free-Range Animals and Odor Management in Japanese Taiwan** *Ya-Rong Yang, National Taiwan University*

**Upstream, Downstream: Interpreting Rivers, Cultivating Environments, and the Epistemic Transformation of Space in Qing Taiwan** *Francis Aidan Newman, Harvard University*

**When the Forest Became an Object of Aid: Epistemic and Ontological Politics in Taiwan's Forestry during the Cold War** *Kuang-Chi Hung, National Taiwan University*

Session Organizer:

*Ling-yi Tsai*, Vanderbilt University

Chair:

*Ruth Rogaski*, Vanderbilt University

**524. Voices from the Margins: Translators and the Making of 18th and 19th-Century Geological and Mineralogical Knowledge**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July  
Edinburgh Futures Institute: 2.35

Participants:

**Recasting R. E. Raspe: Mineralogical Translation as a Means of Redeeming Character in the Eighteenth Century** *Laura Tarkka, University of Turku, Finland*

**"He has got translated by God knows whom": Marc-Auguste Pictet and the Business of Science translation in Early-nineteenth-century Geneva** *Susan Pickford, University of Geneva, Switzerland*

**Expertise, Paratext and the Scientific Persona in 19th-Century Geological Translation** *Alison Martin, Johannes Gutenberg-Universität Mainz, Germany*

Session Organizer:

*Alison Martin*, Johannes Gutenberg-Universität Mainz, Germany

Chair:

*Alison Martin*, Johannes Gutenberg-Universität Mainz, Germany

**525. Histories of Climate and Environment 3: Diffusing and Disputing**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July  
Edinburgh Futures Institute: 3.35

Participants:

**Climatic Change in Basic Primary School in México: The Evolution and Circulation of a Concept** *Irama Núñez Tancredi, Universidad Nacional Autónoma de México*

**Towards a "Science of Surprise": The Origins of Resilience Thinking in Postwar Ecosystem Ecology** *Andrew Mitchell Hoyt, Princeton University*

Chair: *Adrianna Link*, American Philosophical Society

**526. The Health of Animals 2**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Carrick Suites 1

Participants:

**Confronting Colonial and Indigenous Sciences: Bovine Pleuropneumonia and Ethno-Veterinary Interventions in British Nigeria** *Oluwaseun Ootosede Williams, University College Dublin*

**Dogs, Police, and the Infrastructural Worlds of Experimental Science in Republican** *Beijing Yinghua Luo, Nankai University*

**'Linking' Life with Logistics: Jackson Laboratory's Mouse Mutant Stocks Resource and the Systematization of Experimental Animal Supply** *Tom Quick, Independent Scholar*

Chair:

**Fang Wu**, The University of Chicago

**527. Technology and Management in Modern History**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Carrick Suites 2

Participants:

**A Global History of Smoking on Submarines** *Timothy Michael Henderson, Cypress Group; Robert N Proctor, Stanford University*

**Assembling Vehicles, Delivering China's Infrastructure, 1950s-1980s** *TIANLIN WANG*

Chair:

**Niall Chithelen**, University of California, San Diego

**528. Malaria, Smallpox, Rabies**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Carrick Suites 3

Participants:

**Malaria Vaccines, Parasite Immunology, and the Making of a Postcolonial Science** *Kirsten Moore-Sheeley, Chapman University*

**Smallpox Surveillance, Data, and Risk: Smallpox Eradication and Epidemiology in India** *Richa Desai, University of*

*Pennsylvania*

**Beyond Pasteur: Rabies Control, the Semple Treatment, and Colonial Rivalry in Shanghai, 1899-1943** *Zhilin Chu*

**Rhetoric and Crafting Scientific Authority in Immunization Narratives: A Historical Reassessment** *Victoria Meyer, The University of Arizona*

Chair:

**Adriana Fraser**, University of Pennsylvania

**529. New Histories of Machine Learning as Making Up People**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 2 - Cromdale Hall

Participants:

**Machine learning as stage or aftermath of the probabilistic revolution?** *Alexander Campolo, Durham University*

**How artificial intelligence framed debates concerning scientific progress and political organization** *Aaron Mendon-Plasek, Purdue University*

Session Organizers:

**Aaron Mendon-Plasek**, Purdue University

**Alexander Campolo**, Durham University

Chair:

**Aaron Mendon-Plasek**, Purdue University

**530. Earth and Environment: Cosmic, Plural, and Contested Perspectives**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 3 - Fintry Auditorium

Participants:

**The Discovery and Study of Submarine Canyons: Francis Shepard and the La Jolla Fan System in the Context of Contested Theories and Shifting Methods** *Katrin Kleemann, German Maritime Museum - Leibniz Institut for Maritime History, Bremerhaven*

**Satellites and the Making of the Nocturnal Global and Planetary, 1961-2012** *Sara B. Pritchard, Cornell University*

Session Organizer:

**James Rodger Fleming**, Colby College

Chair:  
**Gregory A Good**, Retired

**531. Technologies of Colonial Resource Extraction in Africa**

Organized Session  
4:15 pm to 5:45 pm, Thursday, 16 July  
EICC: Floor, Level 2 - Lammermuir 1

Participants:

**Visualization and Commodification: Making the Map and the Mine in French Protectorate Morocco (1912-1960)**

*Sunny Chen, University of California, Los Angeles*

**Seeing Through Stone: Hydrological and Geological Engineering in the Enugu Coalfields**

*Uzoamaka Nwachukwu, Indiana University Bloomington, Max Planck Institute*

**Technologies of Invisibility: X-Ray Photography and Contested Injuries in Colonial Tunisia's Phosphate Mines (1920s-1930s)**

*Rebecca Gruskin, Hamilton University*

**From Colonial Advice to Command: Politics of Forest Conservation in Concession Areas on the Gold Coast, 1919-1940**

*Daniel Mensah, Brown University*

Chair:  
**Sunny Chen**, University of California, Los Angeles

**532. Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 2**

Organized Session  
4:15 pm to 5:45 pm, Thursday, 16 July  
EICC: Floor, Level 2 - Lammermuir 2

Participants:

**Visualising (and Not Visualising) Eclipses**  
*Hugo Soares; Ana Simões, Universidade de Lisboa*

**Bringing Greenwich to Sobral: Craftsmanship and Instrumentation on the 1919 Solar Eclipse Expedition**  
*Rebecka Mikaela Mähring*

**How the 1922 total solar eclipse inspired an Australian dairy maid and amateur astronomers**  
*Toner Marie Stevenson, The University of Sydney*

**Future Research Directions in the History of**

**Eclipse Expeditions** *Deborah Kent, University of St Andrews*

Session Organizers:  
**Megan Briers**, Max Planck Institute for the History of Science  
**Jesse Garrison**, University College London

Chair:  
**Joshua Nall**, University of Cambridge

**533. Sciences and the Ideas of Europe: Geographies, Temporalities and Actors**

Organized Session  
4:15 pm to 5:45 pm, Thursday, 16 July  
EICC: Floor, Level 2 - Lennox 1

Participants:

**Science and Europe's Others: Robert Merton and Michael Polanyi on the Place of Authoritarianism** *Geert Somsen, Maastricht University*

**Science for Europe: CERN and the conceptual construction of European scientific cooperation** *Luca Forgiarini*

**Local Informants and "Eastern European" Knowledge Networks in Gessner's Publications on the Elk** *Christina Anne Stackpole, University of Warsaw*

Session Organizers:  
**Luca Forgiarini**  
**Kostas Tampakis**, National Hellenic Research Foundation

Chair:  
**Kostas Tampakis**, National Hellenic Research Foundation

**534. Crisis, Capriciousness, and Control in the Technosciences**

Roundtable  
4:15 pm to 5:45 pm, Thursday, 16 July  
EICC: Floor, Level 2 - Lennox 2

Session Organizers:  
**Gianamar Giovannetti-Singh**, University of Amsterdam  
**Rory Dean Kent**, University of Cambridge  
**Thomás Haddad**, University of Sao Paulo, Brazil

Participants:  
**Jenny Bulstrode**, University College London  
**Amelia Urry**, Magdalene College, University of

Cambridge

**Marine Bellégo**, Université Paris Cité

**535. Contested Science (and Technology Studies): Histories of STS and Its Forerunners, Interlocutors, Competitors, Targets, and Patrons**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 2 - Lennox 3

Participants:

**The Foundations of STS: Oil, Energy, and Philanthropy in the Early Institutionalization of US Science Studies**  
*Cyrus C. M. Mody, Maastricht University*

**From Politics to Academics: Political Activism and the Emergence of STS in South Korea**  
*Marianne Noel, LISIS (CNRS, INRAE, Université Gustave Eiffel)*

**STS in the GDR: Application, Creativity and the Reunification**  
*Friedrich Cain, University of Vienna*

**A wave into the field: questioning science from within as women in the 1960s and 1970s**  
*Paola Altomonte, Maastricht University*

Session Organizer:

**Cyrus C. M. Mody**, Maastricht University

Chair:

**Evangelia (Lina) Chordaki**

**536. Shifting Science in Film and Television: Historically-Informed Performance Practice, Artistic License, and the Spectacular Screen**

Roundtable

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Lowther

Session Organizer:

**Ellie Louson**, Michigan State University

Chair:

**Tamara Caulkins**, Central Washington University

Participants:

**Nuala Caomhanach**, New York University/American Museum of Natural History  
**Luis Felipe Eguiarte Souza**, Pavek Museum  
**Ellie Louson**, Michigan State University  
**Emily Simpson**, Oregon State

**537. Space Sciences and Politics**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Menteith

Participants:

**Framing the Moon Landing: Censorship, Silence, and Scientific Authority in Portugal's Estado Novo**  
*Rafael Prezado, University of Évora*

**From Observation to Space Policy: Postmemory and Scholarly Narratives**  
*Tomáš W. Pavlíček, Masaryk Institute and Archives of CAS, Prague*

**From Social Discipline to Economic Discipline: Scientific Imperatives in American Bioastronautics**  
*Renny Hahamovitch, University of Michigan*

Chair:

**Erik Conway**, Purdue University

**538. New Approaches in the History of Science**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 2 - Moffat

Participants:

**"To Collect, Promote, and Represent": Tropical Agriculture Between Cameroon and Palestine, 1890s-1930s**  
*Mona Bieling, HSU Hamburg*

**Invasion thinking and the Modern Synthesis: Waddington, Externalism, and the Genetics of Colonizing Species**  
*Eric Burns Anderson, University of Pittsburgh*

Chair:

**Marjan Wardaki**

**539. "Pedagogies of Things" in the Natural History Humanities**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 0 - Moorfoot Suite

Participants:

**How to Read What Isn't There: Teaching Loss with Natural History Collections**  
*Katherine Arnold, University of Liverpool*

**Bridging the Gap: Current initiatives and obstacles regarding object-based**

teaching in Swedish universities *Anna Svensson, Uppsala University*

**Studying the past, projecting the future: object pedagogies as modes of investigation** *Kelly Whitmer, Sewanee*

Session Organizer:

**Kelly Whitmer**, Sewanee

Chair:

**Anita Guerrini**, Oregon State University, and University of California Santa Barbara

**540. Euclid and Geometry Across Traditions**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 1

Participants:

**Perspectives on the Integration of Muslim Mathematical Productions into the History of Calculus: Steps Towards a Rebuilding of Narratives** *Nicolas Elias Daniel Igolnikov, Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales, Centro de Formación e Investigación en Enseñanza de las Ciencias (CEFIEC)*

**The Practical Adaptations of Euclid's Elements of Pietro Antonio Cataldi and Lucas Brunn: Knowledge Transfer and Textual Transformation in the Early Modern Euclidean Tradition** *Angela Axworthy, Bergische Universität Wuppertal / IZWT*

**The Tahṙīr of Euclid's Elements by Muḥyi al-Dīn al-Maghrabī – Its Sources** *Gregg De Young, The American University in Cairo*

**541. World War Histories of Science**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 2

Participants:

**Curing with Light, Water, Mud, and Current: The Rehabilitation of Russian World War I "Mutilated Warriors"** *Olga Okhotnikova, Ludwig-Maximilians-Universität München*

**Conflict and the "Cure": Nature Curists and Organized Medicine in the U.S. and Germany, 1914-1945** *Laura Farley Cremer, University of Chicago*

**The Science of Sincerity: Psychology and the Problem of Dissent During WWI**

*Juliana Broad, Yale University*

**542. Heavens, Earth, and Water in the Early Modern Iberian World**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Ochil Suite 3

Participants:

**Contested Hydraulics: Morisco Expertise in Granada's 16th-Century Water System** *Camila Roxana Marcone, Yale University*

**Tycho Brahe and the Iberian Cosmographers** *Luís Tirapicos, CIUHCT, University of Lisbon*

**Pallaña: Andean Miners as Mineral Collectors in 18th-Century Alto Perú** *Annelise Walker, Pennsylvania State University*

Chair:

**Francesco Luzzini**, University of Eastern Piedmont

**543. Sciences of the Deep Past**

Contributed Paper Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 1 - Platform 5

Participants:

**The Formation of Cosmology in the Periphery of China Central Plains Culture 5000-4000BP** 煜宸 郭, *University of Chinese Academy of Sciences*

**Sanxingdui Bronze Shaping Techniques: A Comparative Perspective from Southwest China (1200-1050 BCE)** *Xiaoge He, Harvard University*

Chair:

**Elena Luciano-Suastegui**

**544. Science and Activism: A Long History**

Organized Session

4:15 pm to 5:45 pm, Thursday, 16 July

EICC: Floor, Level 3 - Sidlaw Auditorium

Participants:

**Participation and Information: Alternative Science and the Environmental Movement in the 1970s and 1980s** *Nils Guettler,*

*Universität Wien*

**The Observation of Workers' Households  
and the Monographic Method as an  
Activist Research Tradition** *Martin  
Herrnstadt, Universität Bremen*

**Knowledge of Everyday Life and the  
Scientific Personae of Engaged Research**  
*Niki Rhyner, Humboldt University Berlin*

**Marxism as Counter/Science** *Patrick  
Eiden-Offe, Leibniz Center for Literary and  
Cultural Research (ZfL) Berlin*

Session Organizer:

**Niki Rhyner**, Humboldt University Berlin

Chair:

**Joanna Radin**, Yale

**545. Reshaping Boundaries and Reconfiguring  
Networks: Islamic Discourses on the  
Sciences in an Age of Transformation**

Organized Session

*4:15 pm to 5:45 pm, Thursday, 16 July*

*EICC: Floor, Level 0 - Tinto Suite*

Participants:

**Plural Cosmologies in Early Modern  
Ottoman Astronomy: Erzurumlu İbrahim  
Hakkı's Mar'ifetnâme in Context** *Hasan  
Umut, Boğaziçi University*

**Mapping an Arabo-Ottoman Scientific  
Curriculum from Intellectual Biographies**  
*Jane H Murphy, Colorado College*

**Modernity and the Reconfiguration of  
Architectural Boundaries in the  
Arab-Islamic Intellectual Context** *Shaikhah  
Alsahli, Kuwait University*

**Reception of the Conflict Thesis in the Late  
Ottoman Empire: Ahmed Midhat's  
Translation of J.W. Draper's History of the  
Conflict between Religion and Science**  
*Kenan Tekin, Boğaziçi University*

Session Organizer:

**Jane H Murphy**, Colorado College

Chair:

**Jane H Murphy**, Colorado College

**546. ESHS General Assembly**

Business Meeting

*6:15 pm to 8:15 pm, Thursday 16 July*

*EICC: Pentland Auditorium*

Chair:

**Simone Turchetti**, University of Manchester

Participants:

**Kärin Nickelsen**, LMU Munich

**Roberto Lalli**, Politecnico di Torino

**547. Elizabeth Paris Event: Dolly at 30: The Life  
and Legacy of a Cloned Sheep**

Sponsored Session

*7:00 pm to 8:30 pm, Thursday 16 July*

*National Museum of Scotland: Auditorium*

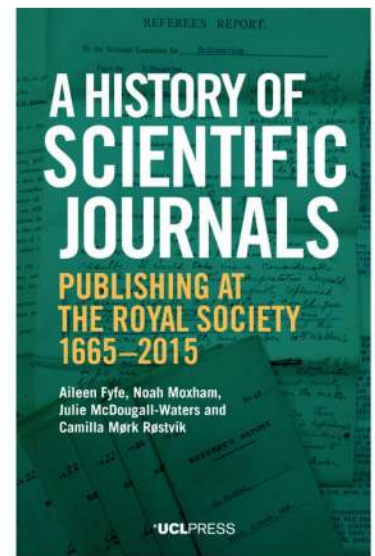
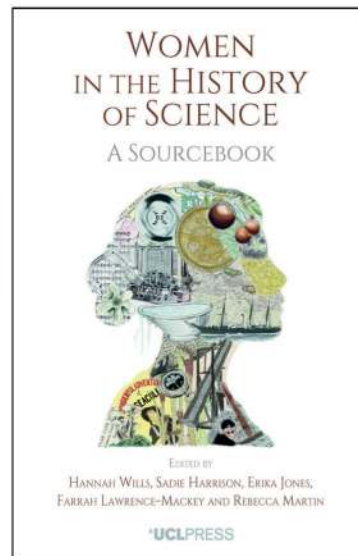
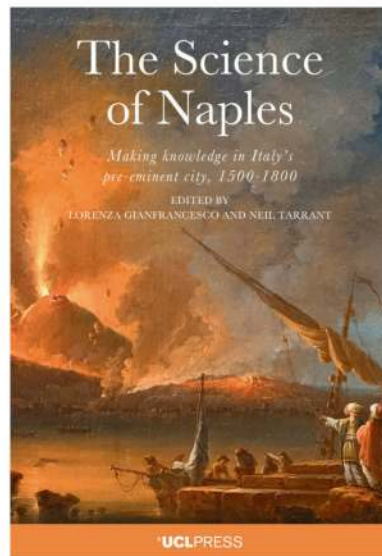
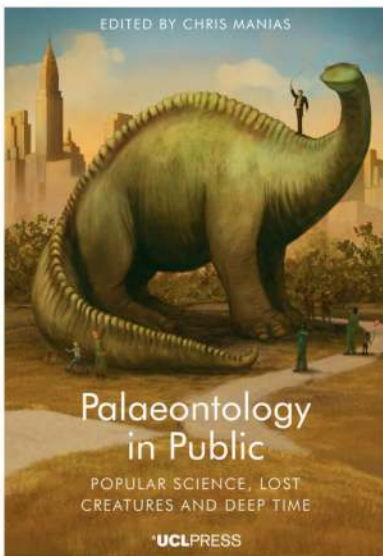
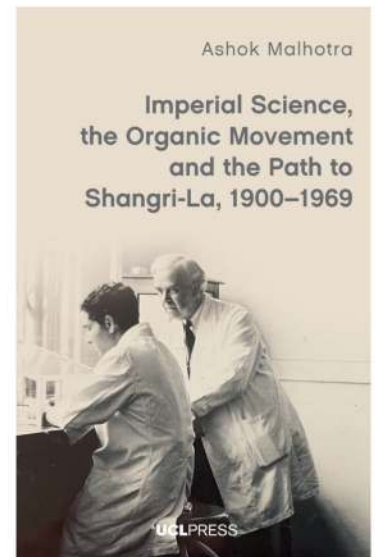
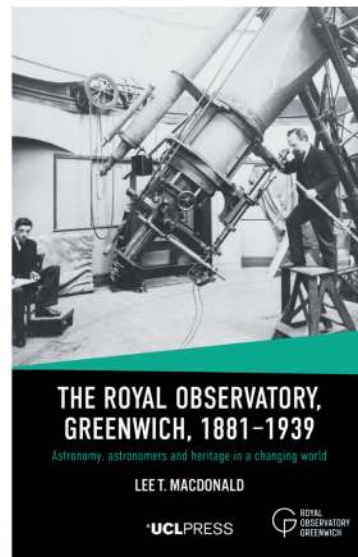
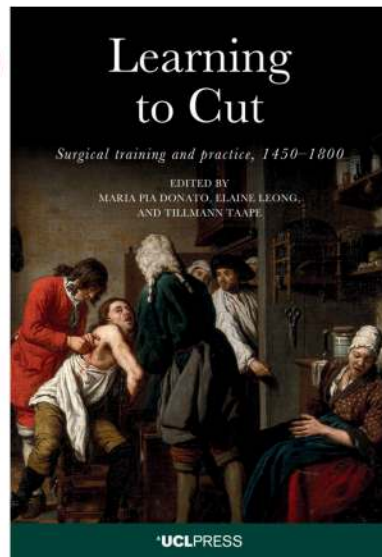
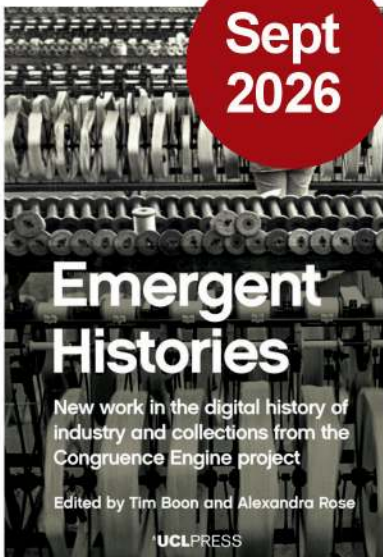
Chairs:

**Andrew Fiss**, Michigan Technological  
University

**Sarah Naramore**, University of Edinburgh

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## PARTICIPANT INDEX

- Abbey, Sophia, 504  
Abney Salomon, Charlotte, 002, 072, 130, 166  
Abraham, Itty, 240  
Abraham, Tara H, 347  
Acevedo, Juan, 196  
Achermann, Dania, 069, 135  
Acierno, Antonio, 284  
Adams, Chanelle, 009, 443  
Adamson, Matthew, 189, 310, 343, 484  
Addabbo, Claudia, 058  
Adler, Antony, 484  
Aeberli, Helena Constance, 368  
Agarwal, Pragya, 422  
Aguilar López-Barajas, José Luis, 042  
Ahlblad, Hannah, 240  
Ahsan, Kamil, 224  
Akan, Seriyye, 465  
Akçakaya, Zeynep, 398  
Alavi, Aida, 008  
Alberda, Alexandra P., 227  
Alberti, Samuel J.M.M., 164, 227  
Alberts, Tara, 145  
Aleksa, John, 082  
Al Fakir, Ida, 439  
Allen, Meagan, 263  
Almeida, Carla, 243  
Alsahli, Shaikhah, 545  
Altomonte, Paola, 535  
Alvarez-Laorden, Andrea, 373, 403  
Alves Duarte da Silva, Matheus, 326, 367, 398  
Amabile, Alessandro, 204  
Amborg, Jens, 122, 307  
Amelung, Iwo, 153  
Amery, Fiona, 421  
Amiridi-Wiedenmayer, Maria -, 038, 471  
Amoresano, Giulia, 182  
Anderson, Bethany, 098, 374  
Anderson, Colleen E., 223  
Anderson, Eric Burns, 538  
Anderson, Katharine, 389, 417  
Anderson, Stuart, 474  
Anderson, Thomas C, 325  
Andersson Burnett, Linda, 003, 414  
Andreozzi, Marco, 438  
Andrews, Bridie, 251  
Andriani, Eleonora, 016, 085  
Angermeier, Vitus, 521  
Ankeny, Rachel, 033  
Anthony, Patrick, 510  
Antic, Ana, 026, 394  
Antunes, Anderson, 165, 326  
Arbel, Tal, 015  
Aricanli, Sare, 498  
Armand, Cécile, 030  
Arnold, Katherine, 539  
Arosoaie, Aida, 245  
Arraya Pareja, Laura Helena, 316  
Ascher, J.P., 043  
Ash, Mitchell G., 138, 363  
Ashman, Lewis, 337  
Asmussen, Tina, 103, 312, 385, 468  
Aspinwall, Eve, 449  
Astarte, Troy Kaighin, 112  
Aubin, David, 508  
Axworthy, Angela, 540  
Aydın, Gül, 068  
Ayers, Elaine, 301  
Aylward, Alex, 003, 238, 273  
Azzolini, Monica, 170, 436, 468  
  
Babička, Martin, 348  
Badanai, Elena, 294  
Baedke, Jan, 018, 051  
Bailey, George, 467  
Bailey, Jennifer L., 258  
Baisez, Olivier, 255  
Baldassarri, Fabrizio, 034, 067, 103, 220  
Baldelomar, Joshua, 202  
Baldoza, Jonathan Victor, 334  
Ballantyne, Abigail Riley, 263  
Balling, Niels Josva, 092  
Ballor, Grace, 223  
Balltandre, Mónica, 450  
Balz, Viola, 095  
Banbury, Thomas James, 263, 483  
Baneke, David, 476  
Banerjee, Dwai, 240  
Banerjee, Michael, 066  
Bangham, Jenny, 073, 106, 485  
Banks, Elizabeth, 206, 258  
Bantjes, Rod, 392  
Barahona, Ana, 314  
Barany, Michael J., 002, 109, 449  
Barker, Peter, 352  
Barnett, Lydia, 087, 260  
Barrow, Mark V., 480

Barseghyan, Hakob, 010  
 Bartoletti, Tomás, 341  
 Basaglia, Tullio, 490  
 Bashford, Alison, 355  
 Bassanelli, Sara, 080, 113, 487  
 Bastos, Cristiana, 326  
 Bates, David Timothy, 157  
 Batsaki, Yota, 025, 058, 094  
 Bautista-Perpinyà, Max, 431, 463, 493  
 Baxter, Emma Jane, 415  
 Bazzaz, Sahar, 094  
 Becker, Peter, 066  
 Beckett, Abigail, 143  
 Behrman, Joanna, 027, 060, 397, 494  
 Beirach, Yoav, 238  
 Belhoste, Bruno, 519  
 Belknap, Geoffrey, 149  
 Bellégo, Marine, 534  
 Belli, Antonia, 021, 054  
 Bellis, Richard, 073  
 Bell-Wilson, Chloe, 061  
 Belouin, Pascal, 409  
 Belteki, Daniel, 356  
 Bénard, Inês, 196  
 Bencard, Adam, 457  
 Bendl, Torsten, 465  
 Benharrech, Sarah, 034  
 Benítez, Sebastián Matías, 239  
 ben Miled, Marouane, 451  
 Ben-Shalom, Ori, 260  
 Benson, Etienne, 216, 324, 409  
 Berg, Annika, 100  
 Berlivet, Luc, 125, 350  
 Bernardi Junqueira, Luis Fernando, 150, 276  
 Berrie, Barbara Hepburn, 345  
 Bertozzi, Eugenio, 478  
 Besler, Gabriela Teresa, 151  
 Beykirch, Juliana, 311, 344  
 Bhattacharya, Arnav, 061, 228  
 Bieling, Mona, 538  
 Bienias, Barbara, 370  
 Bienko, Joseph, 014  
 Bigg, Charlotte, 012, 323  
 Bilgin, Zehra, 313, 346, 386  
 Bishop, Elizabeth, 229  
 Bisi, Giovanni, 280  
 Bittel, Carla, 168  
 Bix, Amy S, 374  
 Bjørnvig, Thore, 277  
 Blatchford, Barrie, 253  
 Bloemer, Julia, 225, 259  
 Bo, Erchen, 113  
 Bohloul, Hamid, 194  
 Bolman, Brad, 449  
 Bonacini, Federica, 340  
 Bonaventura, Isabella, 113  
 Bonea, Amelia, 322  
 Boom, Mathijs, 385  
 Boon, Timothy, 261, 323, 356  
 Bootcov, Michelle, 355  
 Booth, Dale, 281  
 Borck, Cornelius, 127  
 Borgato, Maria Teresa, 171  
 Borgia, Miriam, 307  
 Borrelli, Arianna, 112  
 Bortolini, Matteo, 098  
 Bostock, Sahar Mor, 162  
 Bothereau, Benjamin, 152  
 Botre, Shrikant, 061  
 Botros, Beshouy, 209  
 Böttiger, Leonie, 252  
 Bottomley, Beatrice, 252  
 Bouk, Dan, 379  
 Boulicault, Marion, 111  
 Bourgain, Catherine, 125  
 Bousquet, Caroline, 295  
 Boxer, Carly B, 268  
 Bracht, Fabiano, 196  
 Bracht, Fabiano, 196  
 Brannon, James, 203  
 Branson, William B, 516  
 Brault, Nicolas, 190  
 Bray, Francesca, 134  
 Brazelton, Mary Augusta, 441  
 Brentjes, Rana, 283  
 Brentjes, Sonja, 283, 296, 329, 395, 423  
 Bricknell, Frederick, 119  
 Briers, Megan, 508, 532  
 Brightly, Briana, 268  
 Brig-Ortiz, Kristin, 152  
 Brixius, Dorit Maria Nicola, 458  
 Broad, Juliana, 541  
 Brockmann, Sophie, 148, 369  
 Brooks, Ross, 175  
 Brown, Jenny, 411  
 Browne, Janet, 199, 254, 301, 417  
 Brownell, Emily, 353  
 Bruce, Kathryn, 411  
 Brusa, Marcella, 447  
 Bucheli, David, 446  
 Bud, Robert, 117  
 Budrow, Erin Catherine, 064

Bueno, Beatriz, 442  
 Bueno, Eduardo, 015  
 Bui, Khanh, 064  
 Bujalance, Laura, 243  
 Buklijas, Tatjana, 137, 195, 399  
 Bullynck, Maarten, 043  
 Bulstrode, Jenny, 534  
 Burch, Kathleen, 378  
 Burchardt, Jørgen, 200  
 Burke, Kathleen, 334  
 Burstein, Katherine, 311  
 Burton, Elise K, 002, 198, 214, 491  
 Bush, Martin, 477  
 Bussotti, Michela, 188  
 Butterfield-Rosen, Emmelyn, 122  
 Büttner, Jochen, 283  
 Buturovic, Malina, 090  
 Buxton, Hilary, 124, 287

Cabanel, Anna, 467  
 Cabré, Montserrat, 388  
 Cage, Claire, 176, 253  
 Cai, Ting-Yu, 128  
 Caianiello, Silvia, 202  
 Cain, Friedrich, 535  
 Calvo, Emilia, 384  
 Camacho, Rosa Elba, 356  
 Camilleri, Kristian, 489  
 Campagnoni, Luca, 204  
 Campbell, Ann C, 419  
 Campbell, Erinn, 381  
 Campolo, Alexander, 529  
 Camprubí, Lino, 086  
 Camps, Celine, 225  
 Canadelli, Elena, 025, 058, 094, 340, 412  
 Canales, Jimena, 408  
 Candela, Andrea, 351  
 Caneva, Kenneth, 040  
 Cao, Qi, 492  
 Cao, Yin, 454, 505  
 Cão Duarte, João, 493  
 Caomhanach, Nuala, 017, 093, 275, 536  
 Capocci, Mauro, 155  
 Capulli, Chiara, 054  
 Carandell Baruzzi, Miquel, 006  
 Carbajo, Matilde, 294  
 Carey, Mark, 518  
 Carlino, Olga, 053  
 Carney, Marcus J., 338  
 Carolino, Luís, 047, 332, 447, 478  
 Carr-Trebelhorn, Julia, 281

Carter, Amelia G., 463  
 Carter, Eoin, 121, 186  
 Cassano, Matilde, 307  
 Cassata, Francesco, 198  
 Castagnino, Alessia, 319  
 Castel-Branco, Nuno, 172  
 Cat Acheson, Cat, 222  
 Caulkins, Tamara, 279, 476, 536  
 Caulkins, Tamara, 279  
 Cavicchi, Elizabeth, 101  
 Caygill, Joseph, 255  
 Ceccarelli, David, 102  
 Celani, Ruben, 103  
 Celnik, Leib, 031

Çetinkaya, Mehmet Feyzi, 114  
 Çetintaş, Elife, 109

Chacko, Xan, 334, 470  
 Chakrabarti, Ishan, 241  
 Chakraborty, Dipak Kumar, 022  
 Chamberlain, Pollyanna Alice, 344  
 Chan, Jason, 050  
 Chan, Kin Wing, 522  
 Chandra, Vinita, 228, 486  
 Chang, Ku-ming (Kevin), 039  
 Chaplin, Joyce, 420  
 Charbonneau, Patrick, 011, 158, 192  
 Charenko, Melissa, 044, 449  
 Chatterjee, Sutanwi, 398  
 Chattopadhyay, Amrita, 402  
 Chehirian, Julian, 024  
 Chemla, Karine C. C., 153, 188, 313, 451  
 Chen, BuYun, 134  
 Chen, Hailian, 385, 434  
 Chen, Jessie Wei-Hsuan, 266  
 Chen, Jiang-Ping Jeff, 455  
 Chen, Joyce Wei-Jo, 432  
 Chen, Liying, 520  
 Chen, Po-Hsun, 055  
 Chen, Pu, 466  
 Chen, Qian, 430  
 Chen, Ruohui, 413  
 Chen, Shih-Pei, 309  
 Chen, Sunny, 353, 531  
 Chen, Wei, 466  
 Chen, Yichuan, 082, 517  
 Chen, Yishu, 515  
 Chen, Yiwen, 387  
 Chen, Yue, 496  
 Chen, Zhi-Yu, 461

Cherkaoui, Samia, 347  
 Chew, Jed, 141  
 Chiang, Howard, 026  
 Chithelen, Niall, 035, 527  
 Choi, Jimin, 276  
 Choi, Jin-Woo, 220  
 Chordaki, Evangelia (Lina), 038, 431, 535  
 Chou, Pin-Hua, 231  
 Chu, Ying-Ying, 022  
 Chu, Zhilin, 528  
 Ciesielska, Danuta, 331  
 Ciotti, Luca, 447  
 Cirac-Claveras, Gemma -, 373, 403  
 Claire, Crignon Elise, 327  
 Clark, Alison, 186  
 Clarke, Sabine, 324  
 Claude, Alexandre, 280, 412  
 Clayton, Alexander, 141  
 Clayton, Angélica, 512  
 Clayton-Kastenholz, Mary, 323  
 Clesse, Grégory, 263  
 Clever, Iris, 198, 269  
 Close Koenig, Tricia, 154, 485  
 Cobb, Matthew, 104  
 Cocquyt, Tiemen, 266  
 Coelho, Alexander Brilhante, 243  
 Colby, Jason, 480  
 Cole, Lauren, 074  
 Colomban, Philippe, 345  
 Comfort, Nathaniel, 104, 282  
 Conforti, Maria, 073, 511  
 Conner, Anastasia, 143, 336  
 Conway, Erik, 537  
 Cooley, Mackenzie Anne, 002, 090, 122, 138, 364  
 Cooper, Alix, 066  
 Cooper, Brian P, 116  
 Cordier, Camille, 177  
 Cornish, Nathan, 065  
 Cornu, Armel, 048, 166  
 Corti, Michele, 007  
 Cowan, Ethan, 341  
 Cozzoli, Daniele, 124, 144, 179, 214  
 Creager, Angela, 104, 244, 314  
 Creet, Julia, 122  
 Cremer, Laura Farley, 541  
 Crialesi, Clelia, 516  
 Crippa, Davide, 194  
 Crowther, Kathleen M., 131  
 Csiszar, Alex, 091, 123, 233, 408  
 Cuanal Cano, Deyanira, 064, 367  
 Cui, Guanran, 440  
 Cullen, Christopher, 297  
 Curto, Gemma, 499  
 Dabbous, Rayyan, 133  
 Dacome, Lucia, 416  
 Da Conceição, Gisele Cristina, 285  
 da Cruz, Alexandre Sampaio, 302  
 Daddis, Cameron, 052  
 Dai, Pengchen, 132  
 Dalgarrondo, Elisa, 465  
 Dalia, Deias, 299, 332  
 Dal Prete, Ivano, 170  
 D'Amaro, Francesco, 068, 265  
 Dandona, Jessica, 377  
 Danieli, Elena, 029  
 Danişan, Gaye, 160  
 Danna, Raffaele, 516  
 Das, Shinjini, 486  
 Dasgupta, Rohini, 061  
 Dauben, Joseph W, 304  
 Davis, Frederick R., 200  
 Davis, Isabel, 264  
 Davis, Janet M, 480  
 Davoli, Francesco, 034  
 de Albuquerque, Sara Manuela, 014  
 de Boer, Hanneke, 028  
 De Camillis, Daniele, 013  
 de Chadarevian, Soraya, 002, 383, 491  
 De Cock, Wessel, 127  
 Deivendran, Muthuvel, 517  
 De Keyser, Tine, 082  
 del Gallego Noval, Lola, 405  
 Delille, Emmanuel, 118  
 Delisle, Richard, 102  
 Delrue, Valentine, 392, 476  
 DeLue, Rachael Ziady, 063  
 DeMarco, Amanda, 232  
 De Mol, Liesbeth, 011, 043, 079, 112  
 Demortain, David, 324  
 Demoule, Natacha, 348  
 Dempster, Lauren, 262, 510  
 Dent, Rosanna, 056, 449  
 Depambour, Gautier, 159, 193  
 De Piccoli, Lorenzo, 497  
 De Pretto, Sebastian, 265  
 De Renzi, Silvia, 073, 106  
 de Rooy, Laurens, 460  
 Desai, Richa, 528  
 Detweiler, Theo, 058  
 De Young, Gregg, 540  
 Dhandapani, Senthil Babu, 136

Díaz Ángel, Sebastián, 403  
 Diaz Blancarte, Daniela, 509  
 Díaz-Fajardo, Montse, 384  
 Di Castri, Theo, 190  
 Diener, Leander Basil, 088  
 Dietrich, Michael, 057  
 Di Gennaro, Barbara, 170  
 Dijkstra, Trude, 412  
 Di Leone, Chiara, 328  
 Di Lieto, Paola Bernadette, 323  
 DiMeo, Michelle, 104, 166  
 Dinç, Pinar, 510  
 Dinmore, Eric, 448  
 Di Tommaso, Noemi, 511  
 do Amaral Pinto Neto, Hermano, 113  
 Doel, Anna, 149  
 Doel, Ronald, 005  
 Donato, Maria Pia, 203, 282, 330  
 Doron, Claude-Olivier, 041  
 Drakman, Annelie Elisabeth, 027  
 Dritsas, Lawrence, 367  
 Driver, Felix, 025, 058  
 Drou-Roget, Anna, 403  
 Du, Ruixuan, 342  
 Du, Xinhao, 077  
 Duancic, Vedran, 320  
 Dubald, Déborah Sarah, 093, 154  
 Dubois, Eve-Aline, 099  
 Duggan, Jack, 350  
 Duncan, Katy, 186  
 Dunn, Richard, 323  
 Dunning, David, 011  
 Durantón, Antoine, 142  
 Durnová, Helena, 146

Easterby-Smith, Sarah, 126  
 Eby, Marek Robert, 472, 503  
 Echterhölter, Anna, 437  
 Eddy, Matthew, 414  
 Efstratiou, Antonis, 038  
 Eguiarte Souza, Luis Felipe, 362, 536  
 Ehlers, Sarah Anja, 493  
 Ehrenfreund, Max, 349  
 Eiden-Offe, Patrick, 544  
 Eiermann, Martin, 079  
 Elena Schaa, Elena, 158, 192  
 El Ghalbi, Khallaf, 185  
 Engel, Trevor M, 460  
 Engelmaier, Leonhard, 081  
 Engelmann, Lukas, 156, 190, 233  
 Enright, Katherine, 301

Erez, Guy, 321  
 Eriksen, Andreas Schmidt, 485  
 Eriksen, Christoffer Basse, 003, 092, 266  
 Eshera, Osama, 296  
 Esposito, Maurizio, 102  
 Evans, Bonnie, 257  
 Evens, Siegfried, 310  
 Exley, Grace, 264  
 Expósito-Cívico, Lucía, 431

Fadeyi, Tolulope Esther, 229  
 Fagnani, Martino Lorenzo, 340  
 Fahoum, Basma, 445  
 Falconer, Isobel, 040, 370, 400, 455, 497  
 Falcucci, Beatrice, 426  
 Falk, Seb, 063  
 Fallon, Richard, 264  
 Fan, Fa-ti, 096, 237, 454  
 Fang, Tianyu, 237  
 Farinella, Stefano, 236  
 Farroni, Laura, 284  
 Farrow, Dani, 256  
 Fava, Giovanni, 135  
 Favino, Federica, 340  
 Fay, Jonathan Emile, 302  
 Felicity, Callard, 062  
 Felli, Norma, 047  
 Felten, Sebastian, 177, 312, 385  
 Feng, Miao, 495  
 Feng, Yuchen, 020  
 Fennell-Chametzky, Max, 203  
 Ferlier, Louisiane, 282  
 Fernandez Erana, Labna, 064  
 Fernandez-Mulligan, Sebastian, 076  
 Fernández-Tudela, Roger, 207  
 Ferraresi, Ada, 389  
 Ferry-Danini, Juliette, 195  
 Fierro, Catriel, 095, 127  
 Figura, Roman, 432  
 Filzen, Lena, 410  
 Fiss, Andrew, 076, 151, 191, 211, 547  
 Flato, Emil, 341  
 Flavell, Elinor, 191  
 Fleming, Douglas, 224  
 Fleming, Iona Leask, 061  
 Fleming, James Rodger, 530  
 Flemming, Rebecca, 521  
 Fletcher, Holly, 330  
 Florensa, Clara, 006  
 Florian, Mathieu, 299, 463  
 Florutau, Maria Iulia, 461

Florutau, Maria Iulia, 414  
 Foehr, Nanina, 161  
 Foley, Elaina, 093  
 Forcada, Miquel, 384  
 Forgiarini, Luca, 533  
 Formato, Megan, 017  
 Fornes, Jordi, 514  
 Frączysty, Andrzej, 495  
 Francis, Ben, 246  
 Franck, Michelle, 158  
 François, Gire, 062  
 Franklin, Robin, 209  
 Fransen, Sietske, 266, 412  
 Franz, Sam H, 157  
 Fraser, Adriana, 528  
 Frederick-Frost, Kristen, 225, 259  
 Freeborn, Alfred, 394, 446  
 Freeth, Corinne, 287  
 Freire, Dulce, 470  
 Frenzel, Friederike, 319  
 Freris, Loukas, 006  
 Friedman, Michael, 043  
 Friedrich, Bretislav, 192  
 Friedrich, Markus, 090, 122  
 Frumer, Yulia, 507  
 Fu, Jia-Chen, 002, 128, 379  
 Fuchs, Annalena, 249  
 Furlan, Stefano, 271, 299  
 Fyfe, Aileen, 123, 138  
 Fyke, Robert, 169, 422

Gai, Yijun, 234  
 Gainty, Caitjan, 399  
 Galka, Jonathan, 224, 258  
 Galvez-Behar, Gabriel, 123  
 Gambaro, Ivana, 284, 447, 478  
 Gamito-Marques, Daniel, 155  
 Gandara, Natalia, 201  
 Gandini, María Juliana, 045  
 Gandolfi, Giangiacomo, 478  
 Gao, Ce, 462  
 Gao, Min, 505  
 Gao, Ruiying, 268  
 Gao, Xi, 251  
 Gao, Yang, 230  
 Garcia de la Torre, Júlia, 225  
 Garcia Rodriguez, Juan Bosco, 358  
 Garcia-Sancho, Miguel, 033, 404  
 Gargiulo, Angelo, 476  
 Garnick, Alex, 313, 346, 386  
 Garrison, Jesse, 508, 532

Garzon, Johanna, 049  
 Gatfield-Jeffries, Rose, 057  
 Gau, Adrien, 128  
 Gaudry, Charlotte, 200  
 Gavagna, Veronica, 144  
 Gavrus, Delia, 202, 347  
 Gelderblom, Marieke, 012, 044  
 Gennermann, Paulina S., 117  
 Georg, Maximilian, 250, 295  
 Geppert, Alexander C.T., 242, 277  
 Gerber, Lucie, 154, 440  
 Gerits, Frank, 391  
 Gessner, Samuel, 049, 160, 194  
 Gettings, Daniel, 087  
 Ghoshal, Sayori, 044, 328, 361  
 Gibbons, Kelcey, 116  
 Gibling, John, 227  
 Gil-Farrero, Judit, 265  
 Gili, Anna, 226  
 Gillier, Véronique, 502  
 Gillies, James, 490  
 Gil-Riaño, Sebastián, 184, 215  
 Gins, Sven, 369  
 Giovannetti-Singh, Gianamar, 142, 534  
 Gisel, Eliot, 440  
 Glasman, Thomas, 415  
 Glassman, Kimberly, 264  
 Goc, Nia, 132  
 Godfroy, Anne-Sophie, 372  
 Goggins, Sophie, 164  
 Goldschmidt, Asaf, 342  
 Golinski, Jan, 066, 348  
 Gomez, Rocio, 275  
 Gómez, Pablo F., 145, 260, 380, 425  
 Gomez-Martinez, Angeles, 100  
 Goncalves, Bernardo, 011  
 Gonçalves, Carlos, 455  
 Good, Gregory A, 161, 530  
 Gooday, Graeme, 138, 197, 356  
 Goodman, Jordan, 417  
 Gora, L. Sasha, 206  
 Gorton, Alice Louise, 253  
 Gostisha, Zackery, 013  
 Gouveia, António, 047  
 Gow, Elspeth, 111  
 Graber, Nils, 195  
 Grace, Olwen, 025  
 Gradoz, Julien, 037  
 Gräfe, Sophia, 446  
 Granado-Torres, Carolina, 493  
 Grant, Sofia, 485

Grassi, Mario, 054  
 Graus Ferrer, Andrea, 239  
 Gray, Jeremy, 415  
 Graybill, Andrew, 115  
 Greatrex, Jack, 301  
 Green, Leore Joanne, 047  
 Greenberg, Stephen, 407  
 Greene, Jeremy, 222  
 Greenhalgh, Charlotte, 137  
 Greenwood, Samara, 489  
 Greiling, Meredith Clare, 517  
 Gressot, Julien, 487  
 Griebeler, Andrew, 268  
 Griffey, Erin, 007, 388  
 Grote, Mathias, 091, 381  
 Grothe-Hammer, Michael, 258  
 Grotum, Dann, 092  
 Gruskin, Rebecca, 531  
 Gu, Jiangtao Harry, 475  
 Gu, Yunting, 461  
 Guan, Xiaowu, 434, 466, 496  
 Guerrini, Anita, 210, 282, 414, 539  
 Guettler, Nils, 050, 544  
 Guigo-Patzelt, Eva, 273  
 Guilhem Basilio, Sofia, 075  
 Guimaraes Costa Borges, Thammy, 435  
 Guinot-Ferri, Laura, 029  
 Gunnemark, Rakel, 273  
 Guo, Jinsong, 008  
 Guo, Lifu, 401  
 Guo, Shuai, 186  
 Gurevitch, Eric Moses, 241  
 Gurgel, Ivã, 075, 243  
 Gustavsson, Anna Charlotta, 295  
 Gutierrez, John Paul, 002, 491  
 Guzzardi, Luca, 299, 332

Haddad, Thomás, 534  
 Haegeland, Hannah, 453  
 Haffner, Emmylou, 236, 271  
 Hagmann, Johannes-Geert, 027, 225, 259  
 Hagner, Michael, 066  
 Hahamovitch, Renny, 537  
 Hajek, Kim, 095, 127  
 Hajramezan, Solomon, 452  
 Halevy, Dotan, 445  
 Hall, Alexander, 391, 421  
 Hall, Karl, 278  
 Halsey, Katie, 205  
 Halsmayer, Verena, 349  
 Hamm, Ernie, 351

Hammond, Victoria, 114  
 Hammonds, Evelyn, 174  
 Han, Law Yuen, 333  
 Han, Qi, 379  
 Han, Yongjoo, 157  
 Hanbali, Layth, 339  
 Hancock, Robert, 184  
 Hanson, Marta Eileen, 015, 270, 309, 342  
 Hardy, Penelope, 354  
 Harper, Donald, 153  
 Harris, Nichola, 468  
 Hartnell, Jack, 330  
 Hashagen, Ulf, 305  
 Hashimoto, Takehiko, 382  
 Haufe, Chris, 357  
 Hauser, Cécile, 059, 410  
 Haushofer, Lisa, 457  
 Hazarika, Akshita, 303, 486  
 He, Cheng, 235  
 He, Xiaoge, 543  
 He, Yuan, 413  
 Heaney, Christopher, 138, 316  
 Hecht, David, 187  
 Heé, Nadin, 379  
 Heering, Peter, 225, 259  
 Hege, Sam, 183  
 Heggie, Vanessa, 275  
 Heinzmann, Lukas, 205  
 Heitman, Kristin, 407  
 Hellström, Petter, 122, 339  
 Henderson, Timothy Michael, 527  
 Hendriksen, Marieke, 479  
 Hennessy, Elizabeth, 245  
 Henriot, Christian, 030  
 Hentschel, Klaus, 283  
 Hepler-Smith, Evan, 404  
 Herran, Nestor, 310  
 Herran, Nestor, 120  
 Herrstadt, Martin, 544  
 Hesketh, Ian, 489  
 Hessler, Martina, 134  
 Heumann, Ina, 227  
 Hibberts, Alex, 391  
 Hicks, Mar, 079  
 Hietala, Niklas, 120  
 Higgins, Abigail, 228  
 Higgitt, Rebekah, 110, 217, 447, 478  
 Hijmans, Sarah, 130  
 Himmel, Torsten, 283  
 Hinckley, Marlis, 172, 315  
 Hirai, Masahito, 099

Ho, Chun-Yi, 272  
 Hochadel, Oliver, 141, 176, 219  
 Hof, Barbara, 027, 060, 234, 490  
 Hof, Barbara, 332  
 Hofstetter, Carole, 300  
 Hogarth, Rana Asali, 101, 174  
 Hogbin, Jessica, 045, 143  
 Hollings, Christopher, 459  
 Holmes, Matthew, 279  
 Homei, Aya, 055, 097, 232  
 Hong, Qi, 469  
 Honig, Jeannine, 305  
 Hopson, Nathan Edwin, 396  
 Hoth de Olano, Christiane, 119  
 Howey, Riaz, 077  
 Howkins, Adrian, 306  
 Hoyt, Andrew Mitchell, 525  
 Hrehor, Mallory Anne, 117  
 Hsia, Florence C, 063  
 Hsinyen, Lai, 055  
 Hsiung, Hansun, 180, 498  
 Hsu, Shu-wei, 469  
 Hu, Biyuan, 341  
 Hu, Danian, 496  
 Hu, Xiaoyue, 080  
 Hu, Yuxi, 438  
 Huai, Su, 286  
 Huang, Hsiang-Fu, 286  
 Huang, Hsuan-Ying, 026  
 Huang, Qiang, 032  
 Huang, Xing, 434  
 Huang, Xinyi, 503  
 Huang, Yijie, 461  
 Huang, Zi Yun, 506  
 Hui, Alexandra, 086, 432, 464  
 Huixia, Shen, 099  
 Hung, Kuang-Chi, 272, 523  
 Hung, Stephen, 313  
 Hung, Tsung-Jen Jen Jen, 020, 053  
 Hunt, Margaret Rose, 400  
 Hunter, E. A., 300, 451  
 Huotari, Edna, 488  
 Hurtado-Torres, Diego, 155  
 Hussain, Mobeen, 133  
 Hussain, Mumtaz, 137  
 Hussey, Kristin, 294, 327, 368  
 Husson, Matthieu, 016, 049, 085, 160, 248, 297, 360  
 Hutchinson, Amelia, 312  
 Hwang, Jungha, 448  
 Hwang, Kyoryen, 096  
 Hyatt, Emily, 054  
 Hyman, Mika, 201, 325, 426  
 Hyun, Jaehwan, 125, 180  
 Hyun, Jaehwan, 096  
 Hyun, Jina Ji Youn, 453  
 Iacob, Bogdan Cristian, 441, 472  
 Ibarra, Cecilia, 197  
 Ignaciuk, Agata, 042, 078  
 Igolnikov, Nicolas Elias Daniel, 540  
 Igra, Alma, 124  
 Iida, Kaori, 096  
 Iktash, Alaa, 445  
 Illiffe, Robert, 171, 395  
 Inaba, Hajime, 121  
 Incerti, Manuela, 284  
 Indart, Camila, 091  
 Inohana, Masahiro, 448  
 Irving, Cat, 164  
 Isberg, Erik, 069  
 Isern-Alsina, Hèctor, 373, 403  
 Iturrizaga-Zurita, Laia, 431, 463, 493  
 Iuorio, Myriam Carmen, 143  
 Iwashima, Fumi, 401  
 Jablonka, Eva, 482  
 Jacobsen, Lif Lund, 155, 267  
 Jacobson, Nicholas A., 194  
 Jacome, Veronica, 197  
 Jaeger, Gregg, 159  
 Jagessar, Philip, 499  
 Jalloh, Mahmoud, 302  
 James, Frank AJL, 181  
 Jameson, Lucy Anne, 336  
 Jami, Catherine, 297  
 Jardine, Boris, 067  
 jarosz, katarzyna, 173  
 Jazra, Fyza Parviz, 513  
 Jean-Jacques, Marquisar, 119  
 Jeffrey-Ebhomenmen, Blessing Okojie, 393  
 Jepson, Drew Catherine, 074  
 Ji, Chen, 160  
 Ji, Xiang, 371  
 Jian, Yang, 466  
 Jian, Zheng, 456  
 Jiao, Zhengshan, 207  
 Jiménez, Bárbara, 102  
 Jin, Yinan, 147  
 Jin, Yuqi, 469  
 Jiwani, Tayyaba, 418  
 Jo, Baek Kyong, 198

Joannes, Nicolas, 393  
Johns, Adrian, 138  
Johnson, Bethany Lynn, 444  
Johnson, Letitia, 129  
Joice, Katie, 257  
Jones, Matthew L., 352, 408  
Jones, Susan, 397  
Jong, Lisette, 198, 424  
Jordan, Calvin, 031  
Jordanova, Ludmilla, 482  
Jorink, Eric, 266  
Joskowicz, Mia, 300  
Juan, Shih-Yu, 231  
Judge, Joan, 235, 309  
Junova Mackova, Adela, 298, 331, 372

K, Blesil T, 116  
Kaalund, Nanna, 207  
Kaiser, David, 159  
Kaiser, Katja, 227  
Kaliel, Emily, 129  
Kalogiannis, Dimitris, 038  
Kampouridis, Styilanos, 166  
Kanbayashi, John, 086, 448  
Kane, Seán Thomas, 089  
Kang, Hyeok Hweon, 345, 361  
Kang, Yeonsil, 173  
Kantor, Íris, 442  
Kaplan, Judith, 261, 437  
Kapoor, Nathan Narain, 105  
Kara, Selin, 221  
Kashanipour, RA, 320  
Kato, Shigeo, 232  
Katz, Philippe, 236  
Katzek, Meike, 348  
Katzir, Shaul, 040  
Kaufholz-Soldat, Eva, 112  
Kay, Gwen, 303, 374  
Kaye, Aleksandra, 201  
Kaygun, Atabey, 420  
Kearins, Aoife, 415  
Keller, Agathe, 386  
Keller, Richard C, 100  
Keller, Vera, 013  
Kelly, Laura, 042, 078  
Kelly, Mary, 331  
Kempton, Miles, 108  
Kennedy, Meegan, 084  
Kent, Deborah, 407, 532  
Kent, Rory Dean, 534  
Kepplinger, Gretchin, 023

Kern, Emily, 165  
Kersaudy-Kerhoas, Maïwenn, 256  
Keshavmurthy, Prashant, 263  
Ketabi, Salomé, 254  
Khan, Qurat ul Ain Nayyar, 151, 444  
Khaund, Shreya, 510  
Khuri-Makdisi, Ilham, 094  
Kidd, Bethany, 501  
Kidwell, Peggy Aldrich, 076  
Kiernan, James Leo, 088  
Kifyasi, Andrea, 222  
Killingsworth, Lauren, 325  
Kim, Boumsoung, 275  
Kim, Clare, 002, 453  
Kim, Danhue J., 506  
Kim, Nan, 052, 343  
Kim, Sang-Hyun, 499  
Kim, Taeho, 096  
Kim, Yeonwha, 272  
Kipgen, Ngamlienlal, 056, 174, 378  
Kirakosian, Racha, 114, 294, 368  
Kirchhof, Astrid Mignon, 343  
Kirsh, Nurit, 047  
Kittiwanich, Kwanchanok, 343  
Klasing-Chen, Monica, 309  
Kleemann, Katrin, 530  
Klein, Tuvaal, 421  
Klemun, Marianne, 161  
Klos, Sandra, 322  
Koch, Ulrich, 481  
Kochhar, Rijul, 015  
Kohlt, Franziska Elisabeth, 117  
Kojevnikov, Alexei, 193  
Komel, Svit, 487  
Kono, Hiroto, 273  
Kontturi, Saara-Maija, 488  
Korey, Michael, 085, 160, 194  
Kormányos, Ákos, 255  
Kormos, Janka, 327  
Korolija, Maja, 083  
Kosmin, Jennifer, 182  
Kotytk, Jeffrey, 008, 188  
Kovács, Janka, 168, 475  
Kraft, Tobias, 007  
Kragh, Helge Stjernholm, 501  
Kressig, Hannah, 424  
Kreuder-Sonnen, Katharina, 349  
Krige, John, 138, 310, 363, 383  
Krischel, Matthis, 458  
Kroupa, Sebastian, 375  
Kuang, Yue, 020

Kuchenbuch, David, 242  
 Kuleli, Zeynep, 099  
 Kumar, Akash, 267  
 Kumar, Prakash, 002, 398  
 Kumar, Santosh, 390  
 Kumar, S. Prashant, 238  
 kumbhar, Kiran, 056  
 Kuo, Jonathan, 315  
 Kuo, Yu-An, 053  
 Kurz, Martin, 248  
 Kusukawa, Sachiko, 138, 436  
 Kuźma-Markowska, Sylwia, 042, 078  
 Kvicalova, Anna, 432  
 Kwok, Yingchen, 175

Lackner, Michael, 188  
 Lacroix, Chiara, 327  
 Laffan, Faridah, 295  
 Laguens, Florian, 150  
 Lajus, Julia, 005  
 Lalli, Roberto, 003, 060, 138, 546  
 Lambert, Kevin, 076  
 Lancaster, Scott, 358  
 Landecker, Hannah, 256  
 Lang, Sarah, 406  
 Lanuza-Navarro, Tayra MC, 063  
 La Rana, Adele, 204, 278  
 Lászlófi, Viola, 100  
 Laube, Stefan, 046  
 Lauri, Zoe, 318  
 Lavie, Raphaël, 332  
 Lavine, Matthew, 320  
 Lawson, Owain, 379  
 Lea, Andrew, 495  
 Lee, Francis Melvin, 473  
 Lee, Jung, 046, 180, 272  
 Lee, Seul-gi, 453  
 Lehoux, Daryn, 483  
 Lehtonen, Markku, 006  
 Lei, Sean Hsiang-lin, 180, 371  
 Leitner, Bernhard, 322  
 Lejeune, Edgar, 012, 329  
 Lemoine Landa, Andy, 178  
 Lémonon-Waxin, Isabelle, 422  
 Lenisa, Paolo, 284  
 León, Juan-Andrés, 450  
 León Báez, Juan Fernando, 081  
 Leonelli, Sabina, 033  
 Leong, Elaine, 145, 330, 479  
 Leprêtre, Matti, 443, 474  
 Lessel, Bernadette, 302, 335, 376

Lester, Gustave, 353  
 Levesley, Nichole, 121  
 Levy, Josh, 396  
 Lewis, Orly, 282  
 L'Hermite, Pierre-Luc, 299  
 Li, Brian S.-K., 106  
 Li, Deguang, 131  
 Li, Kan, 454  
 Li, Lan A, 342  
 Li, Ren-Yuan, 309  
 Li, Xinyue, 421  
 Li, Yixuan, 522  
 Li, Yutong, 219  
 Liang, Jiayuan, 466  
 Liao, Nicole, 221  
 Lie, Anne Kveim, 222, 256  
 Lieberman, Samantha Eve, 381  
 Liepoldová, Tereza, 068  
 Lightman, Bernard, 208, 286, 308  
 Lim, Jia-Yi Andrea, 101  
 Lim, Jongtae, 153  
 Lima Hernandez, Pablo, 135  
 Limeira-Dasilva, Victor Rafael, 014  
 Lin, Wenqi, 235  
 Lin, Windson, 026  
 Lin, Yi-Tang, 022, 055  
 Lindee, Susan, 086  
 Lindquist, Benjamin, 024  
 Linds, Justin, 432  
 Link, Adrianna, 002, 184, 362  
 Lisi, Morgana, 340  
 Liston-Kraft, Philip, 368  
 Liu, Alex Hsu-Chun, 026  
 Liu, Chao, 221  
 Liu, Daniel, 269, 317  
 Liu, Jinyan, 496  
 Liu, Xiao, 413  
 Liu, Xiaomeng, 382  
 Liu, Xudong, 251  
 Liu, Yanan, 185  
 Liwanowska, Sandra Anna, 311, 344  
 Lo, Yi Ci, 487  
 Londoño, Esteban, 148  
 Long, Max, 253  
 Loomis, Hillary, 440  
 Lopes, Quintino, 464  
 Lopez Beltran, Carlos, 125  
 López Fadul, Valeria, 260  
 Lopez Vallejo, Francisco Javier, 457  
 Lork, Tim, 109  
 Lotysz, Slawomir, 134

Lourdusamy, John, 486  
 Lours, Tiphaine, 377  
 Louson, Ellie, 397, 449, 536  
 Love, Allison, 082  
 Lovisetti, Luisa, 084, 259  
 Lowe, Miranda, 227  
 Lu, Gao, 232  
 Lu, Yanlin, 505  
 Lucas, Cathy, 464  
 Luciano, Erika, 144, 179  
 Luciano-Suastegui, Elena, 543  
 Lucier, Oliver, 199  
 Lucier, Paul, 120  
 Lugaresi, Maria Giulia, 144, 179  
 Luis, Cristina, 047  
 Luk, Christine Yi Lai, 286  
 Lumbroso, Mor, 299  
 Lundin, Per, 083  
 Luo, Anin, 472  
 Luo, Yinghua, 526  
 Lüttge, Felix, 328  
 Luz, Rafael Velloso, 302  
 Luz, Sabina Ferreira Alexandre, 326, 359, 367, 398  
 Luzzini, Francesco, 146, 319, 542  
 Lynch, Erik, 038  
 Lynteris, Christos, 367  
  
 Ma, Haitian, 242  
 Ma, Lai, 091  
 Ma, Zhaoyi, 208  
 Maas, Ad, 261  
 MacCallum, Malcolm, 460  
 MacKenzie, Felicity, 101  
 Mackenzie, Pamela, 045  
 Macuglia, Daniele, 492  
 Maddaluno, Lavinia, 142, 177, 220  
 Maddaluno, Lavinia, 142  
 Madruga, Catarina Marques, 326, 439  
 Magnin, Lisa, 519  
 Magro, Gianluca, 511  
 Mähring, Rebecka Mikaela, 532  
 Maisonobe, Marion, 108  
 Majumdar, Aparajita, 167  
 Malak, Karim, 162  
 Malamut, Leah, 518  
 Maldonado, Ben, 111  
 Malich, Lisa, 095, 127  
 Mallik, Varun Vivian, 421  
 Mancini, Matteo Flavio, 284  
 Manias, Chris, 199  
 Manning, Gideon, 071, 282  
  
 Manock, Joseph, 247  
 Manson, Erin Rose, 452  
 Mansure, Adil, 234  
 Marchiori, Silvia, 226  
 Marciello, Matthew, 209  
 Marcone, Camila Roxana, 542  
 Margolis, Emily, 261  
 Marichalar, Pascal, 504  
 Marks, Sarah, 257, 481  
 Marsh, Allison, 024, 507  
 Martin, Alison, 524  
 Martin, Aryn, 250  
 Martin, Joseph D., 003, 273  
 Martin, Rebecca (Becky), 354  
 Martin, Ursula, 043  
 Martinelli, Sara, 147  
 Martinez, Deniz, 089  
 Martinez, Jean-Philippe, 302, 335, 376  
 Martino, Davide, 087, 119  
 Martino, Maria Vittoria, 081  
 Martins, Ana Cristina, 470  
 Martins, Lilian Al-Chueyr Pereira, 041  
 Martins Marcos, Patrícia, 177, 364  
 Martykanova, Darina, 068  
 Marziali, Lara, 278  
 Mason Dentinger, Rachel, 175  
 Masters, Serena, 019  
 Masubuchi, Asako, 401  
 Mata Gainzarain, Jon, 152  
 Mateos, Gisela, 027, 060, 138, 240, 441  
 Mathew, John, 009  
 Mattes, Johannes, 322  
 Mattes, Johannes, 155  
 Maxson Jones, Kathryn Grace, 202  
 Mayer, Andreas, 062  
 Mayes, Carolina, 156, 190  
 Mayne, Zachary, 221  
 Mazukatow, Alik, 229  
 Mazurek, Malgorzata, 083, 349  
 Mazzoli, Gilberto, 115  
 McCahey, Daniella, 417  
 McCray, Patrick, 002, 157, 306  
 McGee, Andrew Meade, 507  
 McGuire, Coreen A., 287  
 McKinnon, Garrett, 514  
 McLeary, Erin, 460  
 McOmish, David Malcolm, 483  
 McOuat, Gordon, 118  
 Meade, Ruselle, 096  
 Medina Novoa, Camila, 201  
 Medori, Beatriz, 015

Medrano, Anthony D., 212, 301, 334, 375  
 Medrano, Manuel, 459  
 Mendelsohn, Andrew, 073, 106, 156  
 Mendon-Plasek, Aaron, 529  
 Meng, Dake, 515  
 Menon, Minakshi, 339  
 Mensah, Daniel, 531  
 Mentrup-Womelsdorf, Andreas, 086  
 Merchant, Paul, 149  
 Mercier, Barbara, 135  
 Merdes, Dominique, 443  
 Merker, Jenny, 141  
 Merkling, Emma, 308  
 Mertz, Elliot, 178  
 Mesquita, David Miguel Soares, 226  
 Meyer, Victoria, 528  
 Miao, Chen, 191  
 Michel, Nicolas, 144  
 Middeke-Conlin, Robert, 455  
 Mihailescu, Ion, 487  
 Mikly, Nicole, 373  
 Mikros, Sotiris, 113  
 Milam, Erika Lorraine, 059, 489  
 Milburn, Elise, 065  
 Milici, Pietro, 194  
 Miller, Kassandra, 090  
 Min, Byeongwoong, 200  
 Minne, Els, 435, 467  
 Mitchell, Lorna, 025  
 Mittlmeier, Amelie, 112  
 Mizelle, Richard M, 399  
 Mody, Cyrus C. M., 075, 499, 535  
 Moeller Elmore, Mackenzie, 028  
 Mohan, Pravnav, 032  
 Mohsin, Anto, 197  
 Molina, Diego, 201  
 Molinari, Victoria, 239  
 Molkenthin, Allegra, 397  
 Monaldi, Daniela, 159  
 Moncunill, Stefania Buosi, 230  
 Monk, Philippa, 303  
 Montero, Iris, 369  
 Moody, Jessica, 126  
 Moon, Suzanne, 105, 295  
 Moore, Deirdre, 148  
 Moore-Sheeley, Kirsten, 528  
 Morado Vázquez, Mónica, 294  
 Morar, Florin-Stefan, 408  
 Morawski, Jill, 059, 481  
 Moreau, Elisabeth, 023  
 Moreno, Diogo, 420  
 Moreno Lozano, Cristina, 418  
 Moreno Madrid, José María, 172  
 Mori, Elisabetta, 011, 043, 079, 112  
 Morizot, Olivier, 337  
 Morlet, Maureen, 154  
 Morosini, Stefano, 265  
 Morrison, Robert, 357  
 Morrison-Low, Alison D., 110  
 Morrone, Daniele, 007  
 Morus, Iwan, 308  
 Mosley, Adam, 063, 214, 513  
 Moura, Breno, 442, 473  
 Mousavi, Razieh, 384  
 Mousseau, Léane, 133  
 Mower, Kate, 328  
 Moya Diez, Iván, 095, 127  
 Możdżyński, Jan, 499  
 Mu, Ruiping, 136  
 Mueller, Janna Katharina, 099  
 Mueller, Lucas, 324  
 Mueller-Wille, Staffan, 090, 285  
 Mueser, Anna Lehr, 086  
 Muhr, Paula, 233  
 Muka, Samantha, 002, 491  
 Mukharji, Projit Bihari, 037, 214, 437, 491  
 Mukhopadhyay, Sohini, 028  
 Mulberger, Annette, 046  
 Müller, Sara, 245  
 Mulry, Kate, 028, 422  
 Mundi-López, María, 078  
 Mundy, Rachel, 154  
 Munns, David, 390  
 Muntersbjorn, Madeline, 451  
 Murphy, Caroline Elizabeth, 172  
 Murphy, Hannah, 416  
 Murphy, Jane H, 545  
 Mursinna, Jordan Thomas, 254  
 Musil-Gutsch, Josephine, 003  
 Myers, Jacob, 101, 294  
 Nabulsi, Dana, 339  
 Nair, Shankar, 048  
 Naisbitt, Alice, 155, 189, 232, 267  
 Naldal, Marcus Lee, 495  
 Nall, Joshua, 067, 532  
 Napolitani, Maddalena, 318  
 Naramore, Sarah, 106, 152, 547  
 Narcy, Gilles, 220  
 Nasim, Omar, 002  
 Nath, Panchali, 303  
 Navarro, Jaume, 117

Naylor, Robert, 247, 391  
 Naylor, Simon, 161  
 Nelson, Jennifer, 042, 078  
 Nelson, Nicole C, 229  
 Nemec, Birgit, 137  
 Nemec, John, 241  
 Neswald, Elizabeth, 166  
 Neuenschwander, Erwin, 171, 205, 248, 283, 395  
 Newby, Isobel, 475  
 Newman, Francis Aidan, 523  
 Newton, Samm, 224  
 Ngamvaseenont, Krittapak, 276  
 Ngiam, Marie, 402  
 Ngo, Dalena, 056, 218  
 Nguyen, Lois, 280  
 Niala, J C, 048  
 Nickelsen, Kärin, 003, 244, 289, 546  
 Nielsen, Aske Hennelund, 322  
 Nieto-Galan, Agustí, 047, 450  
 Nikfahm-Khubravan, Sajjad, 296  
 Ninitte, Florence, 513  
 Noel, Marianne, 123, 535  
 Nolan, Kieran, 163  
 Norindr, Somkeo, 329  
 Nosaka, Shiori, 154, 398  
 Nott, John, 396  
 Novick, Tamar, 445  
 Núñez Casal, Andrea, 314  
 Núñez Tancredi, Irama, 525  
 Nuriddin, Ayah, 213, 418  
 Nwachukwu, Uzoamaka, 531  
 Nyhart, Lynn K, 244  
  
 O'Brien, Elizabeth, 380  
 Ochocinski, Jakub, 370  
 Oduro-Bonsrah, Pokuaa, 410  
 Ogawa, Mariko, 132  
 Oka, Mateus, 424  
 Okamoto, Lynn, 065  
 Okazawa, Yasuhiro, 180  
 Okhotnikova, Olga, 541  
 Okolo, Osaremen F, 405  
 O'Leary McNeice, Aoife, 247  
 Olsakova, Doubravka, 075, 108, 214, 320  
 Olszynko-Gryn, Jesse, 137, 339, 445  
 Omes, Marco Emanuele, 502  
 Onaga, Lisa, 009, 165, 404  
 O'Neil, Libby, 157, 502  
 Oosterhoff, Richard, 355  
 Opitz, Donald L., 002, 149  
 Ornelas-Cruces, Marco, 314  
  
 Orozco-Echeverri, Sergio, 370, 400  
 Orrell, Christopher, 039  
 Orrman-Rossiter, Kevin, 477  
 Oset, Željko, 298  
 Osorio Tarazona, Alejandra, 183  
 Osseo-Asare, Abena Dove, 138, 303, 397  
 Otaduy, Natalia, 229  
 Otis, Jessica, 407  
 Oultache, Ilyas-Sakhaeddine, 263  
 Ozdemir, Solmaz Ceren, 049  
  
 Pache, Stéphanie, 481  
 Pagliano, Alessandra, 284  
 Pál, Eszter, 031  
 Palladino, Nicla, 179  
 Palmieri, Kristine, 439  
 Panayotov, Strahil, 107  
 Panayotova, Plamena, 497  
 Pandian, Sharad, 048  
 Pannese, Alessia, 392  
 Panoutsopoulos, Grigoris, 373, 403  
 Papatthanasiou, Konstantinos, 038  
 Pare-Anastasiadou, Chloe, 008  
 Parhi, Katariina, 010  
 Park, Yeseul, 448  
 Parks, Lisa, 504  
 Parry, Alexander Ian, 494  
 Passerini, Annapaola, 328  
 Pataca, Ermelinda Moutinho, 442, 473  
 Patel, Rohini, 262  
 Pathak, Shubham, 486  
 Patiño Loira, Javier, 170  
 Paugh, Katherine, 414  
 Pavković, Tadej, 307  
 Pavlíček, Tomáš W., 537  
 Pearl, Sharrona, 399  
 Pearson, Philip, 354  
 Pellerej, Angel, 456  
 Penachioni, Julia Battistuzzi, 189  
 Peña Filiu, Verónica, 294  
 Penaloza-Patzak, Brooke, 014, 165, 199  
 Peng, Fan, 492  
 Peng, Peng, 462  
 Penteado, David Francisco de Moura, 010, 169  
 Pepe, Luigi, 171  
 Perdiguero, Enrique, 015  
 Pereira, Elisabete, 250  
 Pérez-Criado, Silvia, 183, 409  
 Pérez Santacara, Leire, 097  
 Pérez-Zapico, Daniel, 068, 197  
 Perkins-McVey, Matthew, 118, 200

Perschl, Tobias, 007  
 Petino Zappala, Maria Alejandra, 390  
 Petrasek, Katherine, 500  
 Petrick, Elizabeth, 079, 507  
 Pettersson, Ingemar, 083  
 Pfau, Dinah, 043, 305  
 Pfeffer, Michelle, 238, 273, 370, 400  
 Phillips, Christopher J, 156  
 Phillips, Daniel, 176  
 Phillipson, Tacye, 164  
 Philp, Janet, 164  
 Pickford, Susan, 524  
 Pickman, Sarah, 133, 275  
 Piel, Helen, 305  
 Pierik, Bob, 087  
 Pierri, Florencia, 261, 362  
 Pierucci, Maria Laura, 203  
 Pigott, Nathaniel, 128  
 Pilloni, Alessia, 252  
 Pireddu, Pier Luigi, 389  
 Pisati, Arrigo, 144  
 Pitrou, Perig, 482  
 Pivo, Hannah, 012  
 Plíšková, Nikola, 150  
 Podgorny, Irina, 136  
 Poh, Kathy, 375  
 Pohl, Almut, 249  
 Pohl, Nicole Barbara, 205  
 Poje, Kat, 336, 440  
 Pollock, Ludmila, 104, 261  
 Pooley, Simon, 480  
 Post, Anna-Luna, 087, 119  
 Powers, John C, 130  
 Pradeep Rajeswary, Lakshmi, 009  
 Pramanik, Indranil, 486  
 Premack, Laura, 126  
 Prezado, Rafael, 537  
 Prial, Brigid, 269  
 Price, Kitt, 350  
 Price, Phoebe, 089  
 Pritchard, Sara B., 530  
 Proctor, Robert N, 527  
 Puente-Lozano, Paloma, 277  
 Pugliano, Valentina, 416  
 Puglionesi, Alicia, 185, 450  
 Pulas, Zeynep Ecem, 245  
 Puranen, Emma Johanna, 306  
  
 Qazizadeh, Majideh Ms, 455  
 Qian, Yibing, 251  
 Qidwai, Sarah, 002, 181  
  
 Qin, Dai, 191  
 Qin, Peichao, 009  
 Qu, Anjing, 136  
 Quick, Tom, 500, 526  
 Quickel, Anthony T, 345  
  
 Rachlitz, Kurt, 258  
 Radick, Gregory, 221, 255, 482  
 Radin, Joanna, 184, 544  
 Raggetti, Lucia, 479  
 Rahman, Fadly, 018  
 Rahmat, Khatijah, 424  
 Railiene, Birute, 146  
 Raina, Dhruv, 451  
 Ramberg, Peter, 130  
 Ramos, Christina, 002  
 Rampling, Jennifer, 023  
 Ramsden, Edmund, 059  
 Ranieri, Roberta, 115  
 Rankin, Alisha, 145  
 Raphals, Lisa, 153  
 Rath, Thomas, 187  
 Ratowt, Alex S., 181  
 Ravaioli, Martina, 029  
 Ray, Sara, 460  
 Rebull, Alba, 514  
 Rees, Amanda, 214, 242  
 Rehbein, Malte, 007  
 Reichenberger, Andrea, 192  
 Reichgelt, Magdalena, 018  
 Reinhardt, Carsten, 248  
 Reitzig, Stephanie, 412  
 Remaki, Arilès, 236  
 Renn, Jürgen, 395  
 Renner, Madison, 274  
 Rentetzi, Maria, 002, 383  
 Rhyner, Niki, 544  
 Ribeiro, Martin, 102  
 Ricculli, Anne, 052  
 Richards, Linda, 343  
 Richert, Lucas, 074  
 Rider, Alexis, 036  
  
 Řídký, Josef, 019  
  
 Rigotti, Laura, 478  
 Riskin, Jessica, 482  
 Rispoli, Arranne Gernardo, 045  
 Rivat, Sebastien, 278  
 Rizzi, Elena, 054, 412  
 Roberti, Valentina, 021, 318, 351

Roberts, Peder, 369  
 Robinson, Sam, 036, 224, 258, 417  
 Rocci, Alessio, 376  
 Rodrigo, Tasio, 089  
 Rodriguez, Felice Noelle, 301  
 Rodriguez-Arribas, Josefina, 160  
 Rodriguez Tejuca, Celia, 231  
 Rogaski, Ruth, 523  
 Rohrbacher, Peter, 459  
 Rokhmaniiko, Maksym, 328  
 Rolston, Rob, 222  
 Romero-Passerin, Elena, 126, 497  
 Roncone, Elisa, 042  
 Roqué, Xavier, 060  
 Rosanne Santiago, Elodie, 314  
 Rose, Edwin, 254  
 Ross, Alan Sioltaich, 433  
 Rossi, Elisabetta, 204, 447  
 Roth, Phillip, 027  
 Rothe, Brayden J, 101  
 Rothman, Aviva, 357  
 Roughan, Christine M., 329  
 Rowe, David E., 040  
 Roy, Pradipto, 132, 185  
 Royer, Laura, 435  
 Rozwadowski, Helen, 389  
 Ruamcharoen, Boyd, 506  
 Rubinson, Paul, 149  
 Ruffini, Pierre-Bruno, 267  
 Ruiz-Castell, Pedro, 452  
 Rumor, Maddalena, 107  
 Running Horse Collin, Yvette, 009  
 Rusnock, Andrea, 325  
 Russell, Ben, 323  
 Russo, Carolyn, 228  
 Rust, Magnus, 305, 338  
  
 Sá, Ana Luiza de França, 246  
 Sabban, Sarah, 501  
 Sabel, Claire Conklin, 172, 312  
 Sabri, Mariam Mariam, 278  
 Sachse, Carola, 075  
 Safier, Neil, 285  
 Sagerman, Aiden Frederick, 397  
 Saha, Jonathan, 174, 253  
 Sakurai, Ayako, 176  
 Sammern, Romana, 388  
 Sanchez, Mariana Estela, 046  
 Sandal-Wilson, Chris, 339  
 Sandor, Judit, 377  
 Sangster, Matthew, 205  
  
 Sankaran, Neeraja, 314  
 Santesmases, Maria J, 042, 078, 314, 366  
 Santos, Catarina, 219  
 Sastre-Juan, Jaume, 083  
 Sauer, Tilman, 236, 271  
 Sauthoff, Patricia, 241  
 Savadi, Fateme, 296, 329  
 Savolainen, Eeva, 048  
 Scalambro, Elena, 144  
 Schaefer, Dagmar, 136, 138, 216, 387  
 Schaefer, John, 039, 279  
 Schiavone, Laura, 029  
 Schievelbusch, Lukas Alexander, 109  
 Schirmmacher, Arne, 356  
 Schlattmann, Raphael, 248  
 Schleper, Simone, 018, 051  
 Schlich, Thomas, 195, 399  
 Schmechel, Carmen, 178  
 Schmidt, Henry, 509  
 Schmuckler, Madeleine, 262  
 Schmudde, David, 079  
 Schneider, Gerold, 205  
 Schneider, Jeremy R., 436  
 Schonebaum, Andrew, 342  
 Schottenhammer, Angela, 196  
 Schröder, Stefan, 488  
 Schuld, Dawna, 306  
 Schulte Nordholt, Larissa, 051, 435  
 Schulz, Elizabeth, 274  
 Schürch, Caterina, 244  
 Schwoch, James, 504  
 Sciglitano, Carl Joseph, 477  
 Scott, Bradley Lewis, 021  
 Scott, Calloway, 090, 521  
 Seaton, Andrew, 124  
 Secord, James Andrew, 019, 120  
 Seebacher, Felicitas, 298  
 Seeley, Joseph, 219  
 Seidel, Colleen, 027  
 Seinitzer, Sarah, 029, 468  
 Seising, Rudolf, 305, 338  
 Seiwald, Regina, 163  
 Sekyrkova, Milada, 298, 372  
 Selya, Rena, 104  
 Sénéchal-Perrouault, Lucie, 373  
 Seow, Victor, 035  
 Sera-Shriar, Efram, 308  
 Serrano, Elena, 388, 450  
 Seth, Suman, 002, 138, 491  
 Shaw, Eleanor, 129, 247  
 Sheahan, Madeleine, 230

Shefer-Mossensohn, Miri, 143  
 Shelbourne, Islay Grace, 444  
 Shen, Guanyu, 516  
 Shen, Yang, 237  
 Shen, Yubin, 371, 454  
 Shevchenko, Sergei, 083  
 Shi, Shelly Yiran, 335  
 Shindell, Matthew, 002, 223, 306, 491  
 Shinozuka, Jeannie, 148  
 Shi Yeu, Nga, 077  
 Shmuely, Shira, 424  
 Shopov, Aleksandar, 034  
 Shuaishuai, Guo, 136  
 Siddiqi, Asif, 504  
 Siebeneichner, Tilmann, 277  
 Sieler, Antonia, 249  
 Siem, Solveig Marie, 321  
 Sierra, Carlos, 131  
 Silaen, Alexander, 381  
 Silva, Barbara Kirsi, 189  
 Silva Neto, Climerio Paulo da Silva, 060, 466  
 Silvestri, Federico, 171  
 Sim, Timothy, 441, 472, 503  
 Simões, Ana, 047, 138, 427, 532  
 Simões, Catarina, 326  
 Simon, Esther, 130  
 Simoncelli, Giacomo, 189  
 Simonini, Giulia, 412  
 Simon-Stickley, Anna, 082  
 Simpson, Emily, 536  
 Simpson, Tom, 036  
 Sintès, Quentin Christophe, 411  
 Sinvany, Benjamin, 077  
 Siqueira da Silva, Renan, 473  
 Siran, Jules, 484  
 Skabelund, Aaron, 219  
 Skotnes-Brown, Jules, 254  
 Skotnes-Brown, Jules, 367  
 Skulberg, Emilie, 069  
 Slagstad, Ketil, 394  
 Slane, Cecilia, 105  
 Slaughter, Aimee, 173, 514  
  
 Šmidrkalová, Michaela, 010  
  
 Smith, Elise, 355  
 Smith, Hilary A., 396  
 Smith, Laura, 377  
 Smith, Nathan, 279, 362  
 Smith, Pamela H., 312, 345  
 Soares, Hugo, 257, 532  
  
 Sofianos, Andreas, 151  
 Söhner, Felicitas Petra, 458  
 Soja, Taylor, 129  
 Soleiman, Matthew, 368  
 Somsen, Geert, 533  
 Song, Yifan, 115  
 Sosiuk, Ezequiel, 189  
 Soto Laveaga, Gabriela, 035, 174, 375  
 Soulu, Frédéric, 508  
 Sousa, M. Luísa, 083  
 Spada, Roberta, 021, 054  
 Spaulding, Margaret Maeve, 115, 390  
 Speirs, Martin, 069  
 Spektor, Michelle, 162  
 Spence, Craig, 407  
 Speyart, Anna, 021  
 Sponsel, Alistair, 104, 274  
 Springer, Lena, 474  
 Sridhar, Hari, 409  
 Stackpole, Christina Anne, 533  
 Stadler, Max, 091  
 Staley, Richard, 036  
 Stanley-Baker, Michael, 387  
 Stapleford, Tom, 349  
 Starcova, Marcela, 331  
 Starrett, Malin John, 471  
 Steele, Beatrice Honey, 508  
 Steele, John, 085  
 Stegmann, Ulrich, 103  
 Steiner, Katharina, 389  
 Stemeroff, Noah, 243  
 Stenhouse, Brigitte, 451  
 Stenzel, Monica, 494  
 Stephenson, Marcia, 316  
 Stevens, Kate, 375  
 Stevenson, Toner Marie, 207, 452, 532  
 Stewart, Larry, 110  
 Stobart, Charlotte, 336  
 Stoeger, Alexander, 250  
 Stori, Bruno, 316  
 Straetmanns, Vera Maximilia, 458  
 Strange, JJ, 474  
 Strano, Giorgio, 160  
 Strasser, Bruno, 222  
 Street, Alice, 222, 256  
 Štřelec, Jakub, 262  
 Strnadová, Lucie, 103  
 Struve, Olivia Trude, 092  
 Stuhmann, Cora, 037  
 Sturdy, Steve, 073  
 Suárez-Díaz, Edna, 022, 441, 472, 503

Subramaniam, Banu, 175  
 Sun, Jing, 396  
 Sun, Lie, 496  
 Sun, Mengmeng, 309  
 Sun, Shiyu, 097  
 Sun, Siqing, 352  
 Suri, Sal, 339  
 Susanto, Melinda, 402  
 Sutherland, Serenity S, 374  
 Svensson, Anna, 539  
 Sweet, Amalia Rose, 404  
 Sysling, Fenneke, 051  
 Szarla, Katarzyna, 475  
 Szczygielska, Marianna, 141, 176, 219

Taape, Tillmann, 330  
 Tabas, Brad, 242  
 Taillandier, Apolline, 433  
 Takuma, Yosimi, 084  
 Talairach, Laurence, 093  
 Tampakis, Kostas, 283, 363, 533  
 Tamura, Makoto, 304  
 Tan, Jingnan, 304  
 Tanghe, Koen, 102  
 Tanik, Meric, 337  
 Tao, Audrey, 101  
 Tarbuck, Derya Gurses, 420  
 Tarkka, Laura, 524  
 Tatar, Alexandra, 163  
 Taylor, Francis, 034  
 Taylor-Roth, Abigail Alling, 076, 339  
 te Heesen, Anke, 437  
 Tekin, Kenan, 545  
 ten Hagen, Sjang, 037  
 Tesnière, Valérie, 123  
 Teuscher, Simon, 090  
 Thomas, Marion Constance, 154  
 Thompson, Courtney, 168, 377  
 Thompson, Michaela Jane, 480  
 Timberlake, Todd, 357  
 Tirapicos, Luís, 542  
 Tkaczyk, Viktoria, 437  
 Toledano, Anna, 261  
 Tolsa, Cristian, 384  
 Tomasson, Julia, 300, 451  
 Tonetti, Luca, 058, 412  
 Tonn, Jenna, 017, 093  
 Tontonoz, Matthew, 317  
 Topham, Jonathan, 186  
 Toropova, Anna, 257  
 Totelin, Laurence, 252, 388

Toth, Helena, 033  
 Tozzi, Arianna, 326  
 Traxler, Adrienne, 060  
 Tripepi, Alessandro, 511  
 Troels Pank Arbøll, Troels Pank, 521  
 Trouillot, Alexis, 451  
 Tsai, Ling-yi, 523  
 Tsai, Meng-Chieh, 518  
 Tsamo Tiobou, Ithiele Princesse, 514  
 Tsay, Lillian, 231  
 Turchetti, Simone, 003, 080, 113, 289, 343, 395, 546  
 Turnbull, Daisy, 354  
 Turner, Alexis, 411  
 Tybjerg, Karin, 106, 485

Ugolini, Laura, 336  
 Ujházy, Noémi, 439  
 Umut, Hasan, 545  
 Urry, Amelia, 534

Vaccari, Ezio, 318, 351  
 Vagelli, Matteo, 118  
 Valentines-Álvarez, Jaume, 431, 463, 493  
 Valenzuela, Morgan, 001, 004, 070, 139, 140, 292, 293, 428, 429  
 Valleriani, Matteo, 136, 153, 248  
 Valsala Narayanan, Aswin, 317  
 Valverde, Mathias, 154  
 van Besouw, Jip, 081  
 van Broekhoven, Bo, 150  
 van Dalen, Benno, 016  
 Van Damme, Stéphane, 482  
 Vandenberg, Helen, 129  
 Vandendriessche, Joris, 467  
 van der Heijden, Margriet, 158, 192  
 Van der Meulen, Jim, 220  
 van Gemert, Ties, 191  
 van Kessel, Elsje, 436  
 van Leeuwen, Robert, 302, 335, 376  
 Vargas Dominguez, Joel, 396  
 Vargha, Dora, 444  
 Varghese, Albert, 047  
 Varino, Sofia, 471  
 Varner, Jessica, 404  
 Vejar, José Soto, 197  
 Velasco Martín, Marta, 078  
 Velocci, Beans, 209, 397, 512  
 Verduci, Domenica, 204  
 Vermeij, Rinske Roos, 168  
 Vermeulen, Niki, 108

Verschueren, Pierre, 502  
 Verspreet, Yves Charles, 049  
 Veverkova, Andrea, 331  
 Vick, Brian, 052, 088  
 Vidal Nogueira, Anxo, 225  
 Vieth, Paul, 105, 181  
 Vilgiate, Timmy James, 074  
 Villalobos, Estefanía Andrea, 393  
 Villanucci, Giulia, 233  
 Vimieiro, Ana Carolina, 041, 125  
 Vimieiro-Gomes, Ana Carolina, 041  
 Vincent, Emily, 308  
 Viridi, Jaipreet, 287  
 Voelkel, James, 357  
 Vogel, Brant, 513  
 Vogl, Malte, 248  
 Vogt, Annette B., 372  
 Volkov, Alexei, 188  
 Voltolina, Lorenzo, 497  
 von Hoffmann, Viktoria, 479  
 von Mering, Sabine, 227  
 Voss, Rüdiger, 490  
 Votava, Claire Ann, 269, 426  
 Vrhovski, Jan, 109  
 Vydulinska, Sam, 369

Wachira, James Maina, 183  
 Wade, Alex Christopher, 163  
 Wagemann, Sophia, 405  
 Wagener, Bettina Sophia, 097  
 Wagensonner, Klaus, 387  
 Wagner, Samantha, 088  
 Walberer, Stefan, 259  
 Walcott, Rachel, 019  
 Walker, Annelise, 542  
 Wallis, Faith, 263  
 Walter, Scott A., 040  
 Walton, Steven A, 420  
 Wan, Liang, 251  
 Wang, Fang, 496  
 Wang, Gong, 466  
 Wang, Haixing, 381  
 Wang, Haolin, 346  
 Wang, Haolin, 434  
 Wang, Jessica, 002, 324  
 Wang, Mo, 030  
 Wang, Ningxin, 032  
 Wang, Tao, 496  
 Wang, Tianlin, 527  
 Ward, Jacob, 223  
 Wardaki, Marjan, 167, 538

Warren, Adam, 358, 380  
 Warwick, Genevieve, 103, 501  
 Waszek, David, 271  
 Watanabe, Kaori, 048  
 Wathen, Emma, 287  
 Watson, Matthew, 098  
 Webb, Millie Marriot, 256  
 Webster, Colin, 107  
 Wechsler, Caroline Susannah, 390  
 Weeda, Claire Stichting, 119, 416  
 Wegner, Robert, 041  
 Weiss, Jennifer, 351  
 Weitekamp, Margaret, 031, 393  
 Weldon, Stephen P, 146, 181, 458  
 Wellerstein, Alex, 240, 383  
 Wellfelt, Emilie, 032  
 Wen, Xinyi, 180  
 Werrett, Simon, 021, 054, 330  
 Wesloh, Sloane, 057  
 Wesner, Ashton, 512  
 Wesolowski, Brianne, 012, 044  
 Wess, Jane, 067, 471  
 White, Katherine, 358, 397  
 White, Madeline Elizabeth, 065, 439  
 Whitmer, Kelly, 539  
 Whittingham, Emily Ruth, 319  
 Whorrall-Campbell, Grace, 446  
 Wiesinger, Michaela, 387  
 Wille, Robert-Jan, 050  
 Williams, Charlotte, 459  
 Williams, Elexis Trinity, 320  
 Williams, Oluwaseun Otosedede, 526  
 Williamson, Fiona, 247, 334, 391  
 Williford, Daniel, 353  
 Wilson, Benjamin, 193  
 Wilson, David, 206  
 Wilson, Lydia, 339  
 Winckel, Floris, 069  
 Winkler, Rene, 355, 436  
 Winterer, Caroline, 165  
 Withers, Charlie W.J., 110  
 Wittje, Roland, 121, 517  
 Wolf, Charis M., 471  
 Wolff Mitchell, Paul, 198  
 Wolken, Mary Kate, 174, 218, 358, 426  
 Wood, Gillen D'Arcy, 354  
 Worliczek, Hanna Lucia, 195  
 Wragge-Morley, Alexander, 327, 368  
 Wrakberg, Urban, 005  
 Wright, Aaron Sidney, 190  
 Wright, Adèle Miranda, 334

Wu, Dizhen, 129  
 Wu, Fang, 500, 526  
 Wu, Harry Yi-Jui, 022, 055  
 Wu, Iris, 191  
 Wu, Shellen, 379, 469  
 Wu, Yu-Chuan, 276  
 Wynn, James, 306

Xia, Zijian, 452  
 Xiang, Shiyi, 448  
 Xiaoxue, ZHANG, 191  
 Xie, Qile, 234  
 Xu, Guanmian, 402, 454  
 Xu, Junfeng, 187  
 Xu, Yuji, 237  
 Xue, Dongyue, 470  
 Xue, Xiaoping, 413

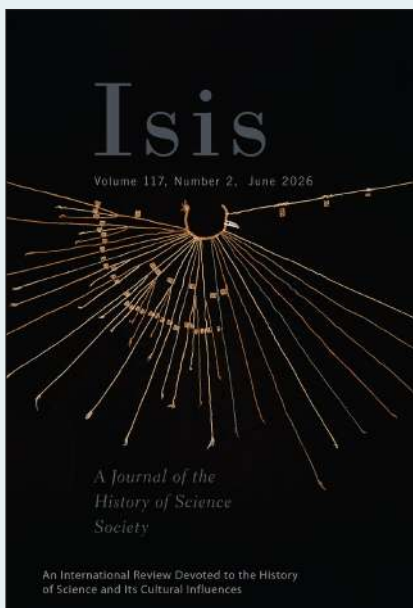
Yale, Elizabeth, 002, 408  
 Yang, Boshun, 008  
 Yang, Fu Ge, 371  
 Yang, Guang, 065  
 Yang, Lijuan, 120  
 Yang, Xintong, 456  
 Yang, Xiwen, 498  
 Yang, Xue, 221  
 Yang, Ya-Rong, 523  
 Yao, Miaofeng, 237  
 Yao, Miaofeng, 237  
 Yavari, Mostafa, 016  
 Yessenova, Saulesh, 403  
 Yi, Jongsik Christian, 522  
 Yildirim, Duygu, 167, 498  
 Yip, Nikki, 101  
 Ylivuori, Soile, 488  
 Yoshikawa, Lisa, 232  
 You, Yaming, 208  
 Yu, Alex, 055  
 Yu, Xinya, 430  
 Yuan, Rui, 346  
 Yue, Joseph Zishang, 315  
 Yun, MinHwa, 272  
 Yuval-Naeh, Naomi, 245

Zaidi, Waqar, 453  
 Zakrzewska, Ewa, 513  
 Zanini, Valeria, 447, 478  
 Zdrodowska, Magdalena, 134  
 Zeballos Lerte, Camila, 315  
 Zeng, Baodong, 520  
 Zhang, Duoduo, 270  
 Zhang, Haohao, 392  
 Zhang, Jialin, 147, 483  
 Zhang, Jing, 430  
 Zhang, Li, 430, 462, 492, 520  
 Zhang, Meifang, 270  
 Zhang, Meng, 398, 522  
 Zhang, Qiaochu, 255  
 Zhang, Rui, 035  
 Zhang, Ruiji, 515  
 Zhang, Ruiying, 237  
 Zhang, Wenzhe, 173  
 Zhang, Xinyue, 208  
 Zhang, Yuan, 469  
 Zhao, Joyce, 187  
 Zhao, Mengxi, 382  
 Zhao, Qingrou, 152  
 Zhao, Wenrui, 145  
 Zhao, Xiaoxue, 333  
 Zhao, Yichen, 371  
 Zhao, Yunbo, 520  
 Zhen, Cheng, 333  
 Zhou, Célestin Xiaohan, 313, 346, 386  
 Zhou, Moxuan, 434  
 Zhou, Tianyue, 044  
 Zhou, Ziquan, 402  
 Zhu, An, 269  
 Zhu, Jing, 235, 270  
 Zhu, Yannan, 193  
 Zieme, Stefan, 016, 049, 085, 194  
 Zotov, Sergei, 406  
 Zou, Dahai, 304  
 Zurbach, Christin, 182  
 Zwierzyk-Teles, Victoria, 376

郭, 煜宸, 543

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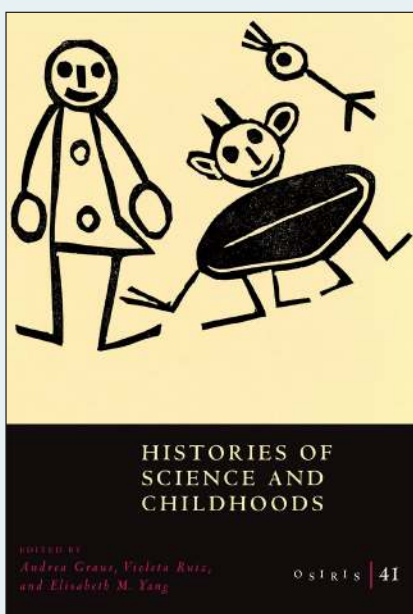
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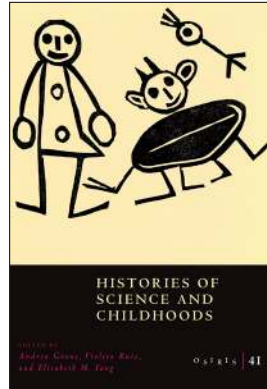
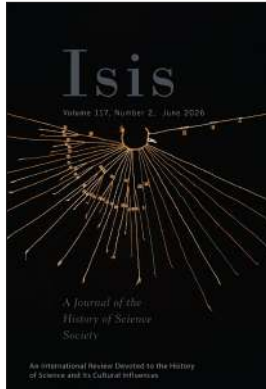
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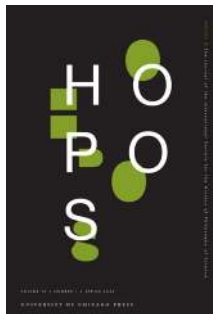
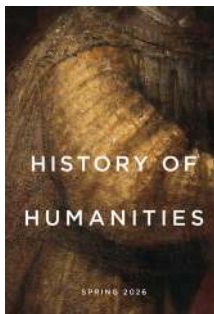
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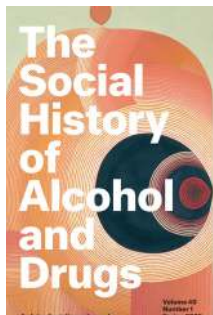
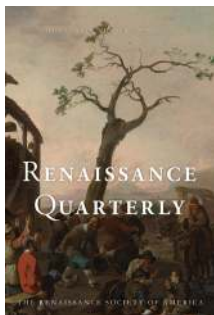


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