

12-16 JULY 2026

2026 ESHS/HSS JOINT MEETING

EDINBURGH
SCOTLAND, UK



Monday July 13, 2026

8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
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Edinburgh Futures Institute 1.40	9:15a - 10:45a Transient Scientific Institutions: The International Polar Years in Comparative Perspectives	11:00a - 12:30p Genealogies of Learning and Communities of Practice: New Perspectives on Early Modern Knowledge		2:30p - 4:00p Rarity in Medicine 1: New Narratives	4:15p - 5:45p Rarity in Medicine 2: Geographies and Politics
Edinburgh Futures Institute 1.50	9:15a - 10:45a The Palomares Nuclear Accident (Spain 1966) and Its International Impact	11:00a - 12:30p Whose Values Count? Political Commitments, Marginal Voices, and the Construction of Scientific Legitimacy		2:30p - 4:00p Herbs, Medicine, and Cures from the Earth	4:15p - 5:45p The Shared World of Ancient Medicine: A Conceptual Framework for Technical Circulation and Exchange in Eurasia and North Africa
Edinburgh Futures Institute 1.52	9:15a - 10:45a Findings in Digital Humanities 1: Ancient	11:00a - 12:30p Findings in Digital Humanities 2: Modern		2:30p - 4:00p New Perspectives on the History of Science Diplomacy 1	4:15p - 5:45p New Perspectives on the History of Science Diplomacy 2
Edinburgh Futures Institute 1.55	9:15a - 10:45a Visualization and Material Cultures of the Heavens across Eurasia	11:00a - 12:30p Emergence and Interpretation of the Principle of Energy Conservation in the Long 19th Century		2:30p - 4:00p Mathematics in Motion: Equations as Mediators for the Circulation of Knowledge	4:15p - 5:45p Transformations of Mathematics in the 20th Century
Edinburgh Futures Institute 1.60	9:15a - 10:45a What Are Protocols For? Strategies for Knowing More-Than-Humans in History and Science	11:00a - 12:30p Beyond Dobzhansky and the Rockefeller Foundation: a Counter-History of Genetics in Brazil		2:30p - 4:00p Ontologies of Waste: A Chaîne Opératoire Approach to Waste Knowledge and Practice in Longue Durée Eurasia	4:15p - 5:45p Instruments and Imperialism: Markets, Networks, and Patronage in the World of James Dinwiddie (1746-1815)
Edinburgh Futures Institute 2.20	9:15a - 10:45a Representing Pregnancy: Science and Culture in the 20th Century 1	11:00a - 12:30p Representing Pregnancy: Science and Culture in the 20th Century 2		2:30p - 4:00p Representing Pregnancy: Science and Culture in the 20th Century 3	4:15p - 5:45p Predicting Fertility, Fertility's Predictions: Measuring Bodies, Norms, and Futures

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	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh Futures Institute 2.35		9:15a - 10:45a CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 1		11:00a - 12:30p CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 2			2:30p - 4:00p CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 3		4:15p - 5:45p CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 4	
Edinburgh Futures Institute 3.35		9:15a - 10:45a Data Visualization and the History of Statistics 1		11:00a - 12:30p Data Visualization and the History of Statistics 2			2:30p - 4:00p Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks_1		4:15p - 5:45p Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks_2	
Edinburgh International Conference Centre Level 1 Carrick Suites 1		9:15a - 10:45a New Insights in Early Modern Science: Institutions		11:00a - 12:30p New Insights in Early Modern Science: Knowledge Production			2:30p - 4:00p New Insights in Early Modern Science: Materialities		4:15p - 5:45p New Insights in Early Modern Science: Savants	
Edinburgh International Conference Centre Level 1 Carrick Suites 2		9:15a - 10:45a Scientific Expeditions and the Co-Production of Knowledge		11:00a - 12:30p New Perspectives on the Circulation of Knowledge			2:30p - 4:00p Late Nineteenth-century Sciences		4:15p - 5:45p Knowing Nature in the 20th Century	
Edinburgh International Conference Centre Level 1 Carrick Suites 3		9:15a - 10:45a Measuring and Shaping Public Opinion in the 20th Century History of Science		11:00a - 12:30p Citizen Science in a Global Perspective			2:30p - 4:00p Science, Technology and Politics in the 20th Century		4:15p - 5:45p Science, Politics, and the Nation	
Edinburgh International Conference Centre -1 Conference Organisers Room		9:15a - 10:45a Institutions and Standards in the 19th and Early 20th Century		11:00a - 12:30p Measurement and Instrumentation			2:30p - 4:00p Scientific Instruments		4:15p - 5:45p Models, Concepts and Boundaries in the 19th and Early 20th Century	

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	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 2 Cromdale Hall		9:15a - 10:45a Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 1		11:00a - 12:30p Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 2			2:30p - 4:00p Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy 3		4:15p - 5:45p Trust, Distrust, Faith and Disbelief	
Edinburgh International Conference Centre Level 3 Fintry Auditorium		9:15a - 10:45a Villains in Science and Nature		11:00a - 12:30p The Authoritarian Anthropocene: Twentieth-Century Party States and the Mobilization of Earth and Climate Knowledge			2:30p - 4:00p From Streams to Basins: Knowing and Governing Water in the 20th Century		4:15p - 5:45p The Late Ian Hacking's Legacy for the History of Science: Reasoning, Kinds, Trees of Life	
Edinburgh International Conference Centre Level 1 Harris Suite 1		9:15a - 10:45a Symposium: Alternative Epistemologies in the Life Sciences (C19 and C20), Part 1 ("Alternative Archives and Sources")		11:00a - 12:30p Symposium: Alternative Epistemologies in the Life Sciences (C19 and C20), Part 2 ("Alternative Actors in Knowledge Production")			2:30p - 4:00p Water Knowledge and Water Experts I		4:15p - 5:45p Water Knowledge and Water Experts II	
Edinburgh International Conference Centre Level 1 Harris Suite 2		9:15a - 10:45a Stratigraphy, Deep Time, and the Making of Geological Knowledge 1		11:00a - 12:30p Stratigraphy, Deep Time, and the Making of Geological Knowledge 2			2:30p - 4:00p Stratigraphy, Deep Time, and the Making of Geological Knowledge 3		4:15p - 5:45p Geosciences in the 19thC	
Edinburgh International Conference Centre Level 0 Kilsyth Suite		9:15a - 10:45a Animal Histories I: Ordering the Unruly Across Imperial and Therapeutic Worlds		11:00a - 12:30p Animal Histories II: Taming Extractivism Across Elemental Worlds			2:30p - 4:00p Contested Conceptions of Atlantic Animals I		4:15p - 5:45p Contested Conceptions of Atlantic Animals II	
Edinburgh International Conference Centre Level 2 Lammermuir 1		9:15a - 10:45a After Loss: Ephemeral Histories of Science and Technology 1 - Ephemeral Instruments of Knowledge		11:00a - 12:30p After Loss: Ephemeral Histories of Science and Technology 2 - Ephemeral Sites of Technoscience			2:30p - 4:00p Genealogy & Inheritance between Passion, Law, and Science, I		4:15p - 5:45p Genealogy & Inheritance between Passion, Law, and Science, II	

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Edinburgh International Conference Centre Level 2 Lammermuir 2		9:15a - 10:45a 'Beyond Bandung: Histories of Scientific, Technological and Medical Assistance between Decolonising Nations during the Cold War' 1		11:00a - 12:30p 'Beyond Bandung: Histories of Scientific, Technological and Medical Assistance between Decolonising Nations during the Cold War' 2			2:30p - 4:00p The Local and the Global in Scientific Information		4:15p - 5:45p Researchers and the Management of Scientific Journals in the Mid-20th-Century: Franco-British Perspectives	
Edinburgh International Conference Centre Lennox 1		9:15a - 10:45a Observing Natural Signs in Early Modern Occult Philosophy		11:00a - 12:30p Circulating Care: Universities, Hospitals, and the Making of Medical Expertise			2:30p - 4:00p Natural Extraction: Shifting Epistemic Hierarchies Within the Danish Atlantic Empire, 1770–1940		4:15p - 5:45p Science at the End of Empire: Britain's Studies of the Body	
Edinburgh International Conference Centre Level 2 Lennox 2		9:15a - 10:45a When Scientific Images Go Rogue: Popularization, Pluralization, and Contestation		11:00a - 12:30p Diagnosing Difference in Biomedicine			2:30p - 4:00p From the Household to the Lab: Tracing Gendered Labour of Collection (18th-20th centuries)		4:15p - 5:45p Human Isolates and Population Admixtures: The Changing Politics of Human Genetics in the 20th and 21st Centuries	
Edinburgh International Conference Centre Level 2 Lennox 3		9:15a - 10:45a Plant Humanities 1 - Mapping an Emerging Field		11:00a - 12:30p Plant Humanities 2 - Rethinking Scientific Collections: Herbaria and Exsiccata			2:30p - 4:00p Plant Humanities 3 - Case Study: The Eastern Mediterranean Plants		4:15p - 5:45p Plants, Heritage and Colonial Histories – A Roundtable	
Edinburgh International Conference Centre Level 1 Lowther		9:15a - 10:45a Transcultural Psychiatry and the Sinophone Pacific		11:00a - 12:30p Behavioral Science Beyond the Laboratory: Social Environments, Animal Models, and the Politics of Experimentation			2:30p - 4:00p The Making of Psychotherapeutic Knowledge: Research Practices, Epistemic Cultures, and Disciplinary Negotiations 1		4:15p - 5:45p The Making of Psychotherapeutic Knowledge: Research Practices, Epistemic Cultures, and Disciplinary Negotiations 2	
Edinburgh International Conference Centre Level 1 Menteith		9:15a - 10:45a Shifting Perspectives: Diversity, Geographies, and Possibilities in the Physical Sciences (no 1)		11:00a - 12:30p Shifting Perspectives: Diversity, Geographies, and Possibilities in the Physical Sciences (no 2)			2:30p - 4:00p Classifying Nature, Reordering East Asia: Science and Identity in Postwar Japan and South Korea		4:15p - 5:45p Contested Bodies: Science and Statecraft in 20th-Century China and Taiwan	

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Edinburgh International Conference Centre Level 2 Moffat		9:15a - 10:45a Fertility and the Sexed Body: Fluids and Health		11:00a - 12:30p Fertility and the Sexed Body: Forms of Control			2:30p - 4:00p Fertility and the Sexed Body: Midwifery and Childbirth		4:15p - 5:45p Women Healers: Nursing in the Early 20th Century	
Edinburgh International Conference Centre Level 0 Moorfoot Suite		9:15a - 10:45a Decentralizing Women's Medicine: Plural Voices Describing Female Bodies in the Long Early Modern Period		11:00a - 12:30p Techniques of Observation and Experiment in Psychoanalysis			2:30p - 4:00p Cybernetic Anthropologies: Midcentury Redesigns of a Technomodern Field		4:15p - 5:45p Dissent, Translation, and Appropriation in Chemical Textbooks, 1760-1881	
Edinburgh International Conference Centre Level 1 Ochil Suite 1		9:15a - 10:45a Celestial Spheres 1		11:00a - 12:30p Celestial Spheres 2			2:30p - 4:00p Thinking about Time and the Cosmos		4:15p - 5:45p Thinking about Time and Cosmos 2	
Edinburgh International Conference Centre Level 1 Ochil Suite 2		9:15a - 10:45a Mental Health		11:00a - 12:30p Public Health in the Americas			2:30p - 4:00p Public Health in Europe		4:15p - 5:45p Medical Professionalization and Its Histories	
Edinburgh International Conference Centre Level 1 Ochil Suite 3		9:15a - 10:45a Imperial Botany in Asia		11:00a - 12:30p Grafting Colonial Botanies			2:30p - 4:00p Hidden Legacies of Slavery and Freedom in the History of Science		4:15p - 5:45p Making and Unmaking Colonial Science	
Edinburgh International Conference Centre Pentland Auditorium		9:15a - 10:45a Openness in the History of 20th Science Governance		11:00a - 12:30p Histories of Science and the University 20 Years after William Clark's Academic Charisma			2:30p - 4:00p Rethinking Darwinism: New Perspectives on the History of Evolutionary Thought		4:15p - 5:45p Technology through the Kaleidoscope: Shifting Perspectives by Playing with Prepositions	

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Edinburgh International Conference Centre Level 1 Platform 5		9:15a - 10:45a Practitioners, Artisans and Instruments in the Making of Premodern Science, I		11:00a - 12:30p Practitioners, Artisans and Instruments in the Making of Premodern Science, II				2:30p - 4:00p Practitioners, Artisans and Instruments in the Making of Premodern Science, III		4:15p - 5:45p Time Matters: Astral Causation and Material Efficacy in Pre-Modern Science
Edinburgh International Conference Centre Level 3 Sidlaw Auditorium		9:15a - 10:45a Hazards, Accidents, and Knowledge Production in Modern Industry		11:00a - 12:30p Technical Professions and the Making of Middle Classes: Transnational Perspectives from the 19th to the 20th Century			2:30p - 4:00p Shifting Perspectives on the History of Discovering DNA's Double Helix Structure		4:15p - 5:45p Material Culture and the History of Mathematical Science: Exploring Regional Traditions	
Edinburgh International Conference Centre Level 0 Tinto Suite		9:15a - 10:45a Making Global Temperature Across Land, Ice and Oceans		11:00a - 12:30p Universal Claims and Their Consequences in the 20th- and 21st-Century Earth and Climate Sciences			2:30p - 4:00p Plural Epistemologies and The Role of Time in the History of Waterscapes		4:15p - 5:45p Listening Otherwise: Epistemic Justice and Methods of Research Participation in Histories of Reproductive Biomedicine	

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Edinburgh Futures Institute 1.40	9:15a - 10:45a Animal Networks. Zoos in the Peripheries 1	11:00a - 12:30p Animal Networks. Zoos in the Peripheries 2		2:30p - 4:00p Animal Networks. Zoos in the Peripheries 3	4:15p - 5:45p (Mis)Understanding Animals? Biology, Epistemic Uncertainty, and Non-Human Animal Management in the Late Nineteenth and Twentieth Centuries
Edinburgh Futures Institute 1.50	9:15a - 10:45a Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 1	11:00a - 12:30p Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 2		2:30p - 4:00p Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 3	4:15p - 5:45p Scientific Travel in Colonial Contexts: Logistics, Politics and Practices
Edinburgh Futures Institute 1.52	9:15a - 10:45a Early Modern Medicine 1	11:00a - 12:30p Early Modern Medicine 2		2:30p - 4:00p Evolutionary Histories 1	4:15p - 5:45p Evolutionary Histories 2
Edinburgh Futures Institute 1.55	9:15a - 10:45a Shifting Perspectives in Historiography of Science under the Fascist Rule 1	11:00a - 12:30p Shifting Perspectives in Historiography of Science under the Fascist Rule 2		2:30p - 4:00p Plastic Amnesias: Forgotten Histories of Plastics and Health - I	4:15p - 5:45p Plastic Amnesias: Forgotten Histories of Plastics and Health - II
Edinburgh Futures Institute 1.60	9:15a - 10:45a European Surgeons Across the Early Modern World: Itineracy, Knowledge, and Practice	11:00a - 12:30p Beyond Universalisms and Flat Pluralisms: East Asia as Method for the Global History of Science		2:30p - 4:00p Space, Science, and Imagined Futures	4:15p - 5:45p Film and the Mind Sciences at the Margins: Research, Diagnosis, Popularisation
Edinburgh Futures Institute 2.20	9:15a - 10:45a What Is the History of Science? Part 1	11:00a - 12:30p What is the History of Science? Part 2		2:30p - 4:00p Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (1 of 2)	4:15p - 5:45p Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (2 of 2)

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Edinburgh Futures Institute 2.35		9:15a - 10:45a What to Do with the "Heroes" of Science?		11:00a - 12:30p Scientific Authority and Sacred Domains in the 19th-Century Mediterranean			2:30p - 4:00p Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices I		4:15p - 5:45p Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices II		
Edinburgh Futures Institute 3.35		9:15a - 10:45a Past and Present Indigenous Knowledges and Scientific Authority in the Americas		11:00a - 12:30p Legitimizing Agricultural Risk: Science, Bodies and Knowledge Across Global Farming			2:30p - 4:00p From Text to Treatment: Practical Cultures of Learned Medicine, 1000–1650 c.		4:15p - 5:45p Other Voices in Early Modern Science		
Edinburgh International Conference Centre Level 1 Carrick Suites 1		9:15a - 10:45a Sciences and Spiritualism		11:00a - 12:30p Contested Theories of Body and Mind			2:30p - 4:00p Gendered Innovations and Limitations		4:15p - 5:45p Forensic Science in Transtemporal Perspective		
Edinburgh International Conference Centre Level 1 Carrick Suites 2		9:15a - 10:45a Histories of Mathematics		11:00a - 12:30p Popularisation and the 19th Century History of British Science			2:30p - 4:00p Governing Medicine in the 20thC		4:15p - 5:45p Bodies, Signs, and Healing Arts across Medieval Medical Traditions		
Edinburgh International Conference Centre Level 1 Carrick Suites 3		9:15a - 10:45a Public Health and Governance in the 19th and Early 20th Century		11:00a - 12:30p New Histories of Nuclear Science			2:30p - 4:00p Reimagining Alchemy		4:15p - 5:45p Old Collections, New Stories: Doing Natural History Humanities in Cambridge and Beyond		
Edinburgh International Conference Centre -1 Conference Organisers Room							2:30p - 4:00p Burying the Torch: Illuminating Diverse Actors in the Making of Premodern Knowledge		4:15p - 5:45p Engineering Frontiers: Water, Expertise, and the Social Costs of Hydraulic Modernization		

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Edinburgh International Conference Centre Level 2 Cromdale Hall	9:15a - 12:30p Invisible Actors in Biomedical and Environmental Sciences (I) & (II)			2:30p - 4:00p Exchanged, Marginalized, Lost: Imperial Itineraries of Scientific Objects		4:15p - 5:45p How to Visualize the Previously Unknown – A Multidisciplinary Approach	
Edinburgh International Conference Centre Level 3 Fintry Auditorium	9:15a - 10:45a Science Diplomacy: Cooperation, Competition and Crisis 1	11:00a - 12:30p Science Diplomacy: Cooperation, Competition and Crisis 2		2:30p - 4:00p Science Diplomacy: Cooperation, Competition and Crisis 3		4:15p - 5:45p Science Diplomacy: Cooperation, Competition and Crisis 4	6:00p - 7:15p HSS Prize Ceremony & Sarton Medalist Address
Edinburgh International Conference Centre Level 1 Harris Suite 1	9:15a - 10:45a Epidemiology Unbound 1	11:00a - 12:30p Epidemiology Unbound 2		2:30p - 4:00p Epidemiology Unbound 3		4:15p - 5:45p Visual Tools in Global Histories of Medicine	
Edinburgh International Conference Centre Level 1 Harris Suite 2	9:15a - 10:45a Computer Sciences	11:00a - 12:30p Artificial Intelligences		2:30p - 4:00p Global Perspectives on Science, Technology and Politics		4:15p - 5:45p Contested Sciences	
Edinburgh International Conference Centre Level 0 Kilsyth Suite	9:15a - 10:45a Recovering the Histories of Women in Quantum Physics 1	11:00a - 12:30p Recovering the Histories of Women in Quantum Physics 2		2:30p - 4:00p Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 01		4:15p - 5:45p Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 02	
Edinburgh International Conference Centre Level 2 Lammermuir 1	9:15a - 10:45a History of Quantum Optics 1	11:00a - 12:30p History of Quantum Optics 2		2:30p - 4:00p Mathematics in Manuscripts 1		4:15p - 5:45p Mathematics in Manuscripts 2	

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Edinburgh International Conference Centre Level 2 Lammermuir 2		9:15a - 10:45a Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings I		11:00a - 12:30p Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings II			2:30p - 4:00p Touching Machines, Remaking Realities: Embodied Encounters between Humans and Technology in Modern China		4:15p - 5:45p Wells, Labs, and Corridors: Situated Infrastructures and the Production of Scientific Knowledge		
Edinburgh International Conference Centre Lennox 1		9:15a - 10:45a Ground Truth: From Local Data to Global Theories of the Earth		11:00a - 12:30p The Politics, Epistemology and Ethics of Medical Evidence, ca. 1960–ca. 2000			2:30p - 4:00p How Sciences End 1		4:15p - 5:45p How Sciences End 2		
Edinburgh International Conference Centre Level 2 Lennox 2		9:15a - 10:45a Infrastructure of Empire and Knowledge in the Nineteenth and Twentieth Century Middle East		11:00a - 12:30p Ex Oriente & In Orientem Scientia: Entangled Knowledge through the Early Modern Indian, Atlantic and Pacific Oceans			2:30p - 4:00p Raising Exceptional Children: Psychology, Education, and Motherhood		4:15p - 5:45p Reappraising Three Iconic Images in the History of Science		
Edinburgh International Conference Centre Level 2 Lennox 3		9:15a - 10:45a Peripheries of Power: The Political Economy of Technological Transfer in Late Cold War Europe		11:00a - 12:30p Wires Across Borders: Transnational Perspectives on Electrical Histories			2:30p - 4:00p Laboratories of Concealment: New Perspectives on Postwar Science, Secrecy and the State		4:15p - 5:45p The Environmental Lives of Things: Science and Technology, Environmental History, and Material Culture		
Edinburgh International Conference Centre Level 1 Lowther		9:15a - 10:45a Contested Anatomy		11:00a - 12:30p "Facing" the Past: Race, Craniometry, and the Afterlives of Human Skulls			2:30p - 4:00p Literary Technologies and the Science of Literature		4:15p - 5:45p Psychological Sciences in East and Southeast Asia, 19th to Mid-20th Centuries		
Edinburgh International Conference Centre Level 1 Menteith		9:15a - 10:45a Histories of Biogeography Part 1		11:00a - 12:30p Histories of Biogeography Part 2			2:30p - 4:00p Scales of the Earth: Space, Science and the Specters of Planetary History 01		4:15p - 5:45p Scales of the Earth: Space, Science and the Specters of Planetary History 02		

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Edinburgh International Conference Centre Level 2 Moffat		9:15a - 10:45a Histories of Chemistry		11:00a - 12:30p Better Living through Chemistry			2:30p - 4:00p Intersections between History and Philosophy of Physics		4:15p - 5:45p Developments in the History of Particle Physics		
Edinburgh International Conference Centre Level 0 Moorfoot Suite		9:15a - 10:45a Beyond 'Botany': Plant Knowledges across South Asia		11:00a - 12:30p Plant Transfers Beyond Botany: Histories of Human-mediated Long-distance Dispersals to and from Latin America			2:30p - 4:00p Plural Plant and Fungal Worlds		4:15p - 5:45p Managing Complexity: Investigating Plants, Forests, and Oceans in Late Nineteenth-Century Germany		
Edinburgh International Conference Centre Level 1 Ochil Suite 1		9:15a - 10:45a Minds over Matter 1		11:00a - 12:30p Minds over Matter 2			2:30p - 4:00p Resource Management, Defined and Redefined		4:15p - 5:45p Producing Landscape		
Edinburgh International Conference Centre Level 1 Ochil Suite 2		9:15a - 10:45a Science Publishing Across Time		11:00a - 12:30p The Language of Science			2:30p - 4:00p Alternative Sites of Knowledge Production		4:15p - 5:45p Revelations in Natural History		
Edinburgh International Conference Centre Level 1 Ochil Suite 3		9:15a - 10:45a Reconsidering Spontaneous Generation		11:00a - 12:30p Through Archival and Material Sources: New Perspectives in the History of Physics (19th–20th Centuries)							
Edinburgh International Conference Centre Pentland Auditorium		9:15a - 10:45a The Impact of the Digital Revolution on the History of Science and its Social Implications-1		11:00a - 12:30p The Impact of the Digital Revolution on the History of Science and its Social Implications-2			2:30p - 4:00p The Impact of the Digital Revolution on the History of Science and its Social Implications-3		4:15p - 5:45p The Impact of the Digital Revolution on the History of Science and its Social Implications-4		

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Edinburgh International Conference Centre Level 1 Platform 5		9:15a - 10:45a Early Modern Intersections of Knowledge		11:00a - 12:30p Contested Fishscapes: Fisheries, Science, and Development in the Twentieth Century				2:30p - 4:00p Shifting Perspectives on Gendered Knowledge: Medical and Psychological Practices in Transition		4:15p - 5:45p Representing the Sky from the Earth and Vice Versa: Gnomonic, Archeoastronomy, Cartography and Geometry	
Edinburgh International Conference Centre Level 3 Sidlaw Auditorium		9:15a - 10:45a GECC Diversity Roundtable: Race in the Academy		11:00a - 12:30p On the Fringe? Constructing and Contesting Boundaries of "Science" in Modern China		1:00p - 2:00p GECC Listening Session		2:30p - 4:00p Science, Knowledge, and Technology in Modern China: Vernacularization and Global Diffusion		4:15p - 5:45p China Observed: Science and the British Encounter with China in the Nineteenth and Twentieth Centuries	
Edinburgh International Conference Centre Level 0 Tinto Suite		9:15a - 10:45a The Double Life of Sex: Queer and Feminist Interventions into the History of Biology		11:00a - 12:30p Beyond Binaries in LGBTQI+ Histories of Sexology: Bi, Trans, Intersex				2:30p - 4:00p From Contested "Foreign Science" in China to a Social History of Chinese Scientists in the World		4:15p - 5:45p Disability Sciencing: Measuring and Classification at Sites of Knowledge-Making	
National Museum of Scotland Auditorium		9:15a - 10:45a Sources beyond the Archive		11:00a - 12:30p Histories and Historiographies of the Human Sciences in the Americas during the Long 1970s				2:30p - 4:00p History of Science as Agent of Change? Handling Colonial Natural History Objects		4:15p - 5:45p Collections, Archives, Libraries, and Museums: How, Why, and So What?	
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				2:30p - 4:00p Colonialism, Collecting, and Ethnology		4:15p - 5:45p Collecting Amazonian Knowledges	

Wednesday July 15, 2026

8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
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Edinburgh Futures Institute 1.40	9:15a - 10:45a Science and Empire in the Anthropocene: Towards an Environmental Shift 1- Imperial roots of Plantationocene and Anthropocene	11:00a - 12:30p Science and Empire in the Anthropocene: Towards an Environmental Shift 2 - Making Imperial Worlds		2:30p - 4:00p Science and Empire in the Anthropocene: Towards an Environmental Shift 3 - (Post)-Imperial Ecologies	4:15p - 5:45p Science and Empire in the Anthropocene: Towards an Environmental Shift 4 - Imperial Medicine Contested
Edinburgh Futures Institute 1.50	9:15a - 10:45a The Science and Medicine of Habits I: Habits, the Body and Space	11:00a - 12:30p The Science and Medicine of Habits II: Habits, The Body and Health		2:30p - 4:00p The Science and Medicine of Habits III: Habits, the Body and Disorder	4:15p - 5:45p The History of Distrust in Medical Science
Edinburgh Futures Institute 1.52	9:15a - 10:45a Histories of Archaeology 1	11:00a - 12:30p Histories of Archaeology 2		2:30p - 4:00p Knowable and Unknowable Nature 1	4:15p - 5:45p Knowable and Unknowable Nature 2
Edinburgh Futures Institute 1.55	9:15a - 10:45a DH in the History of Premodern Sciences 1	11:00a - 12:30p DH in the History of Premodern Sciences 2		2:30p - 4:00p Recasting the History of Almanacs 1	4:15p - 5:45p Recasting the History of Almanacs 2
Edinburgh Futures Institute 1.60	9:15a - 10:45a Imperial Instruments: Tools for Astronomy and Mathematics in China from Song to Qing	11:00a - 12:30p Book Reviewing and (Inter)disciplinarity in Postwar Science		2:30p - 4:00p Boundaries and Hierarchies of Modern Medical Practice in Republican Beijing (1911 – 1949)	4:15p - 5:45p Cold War Public Health in East Asia: Gender, Race, and Biopolitics
Edinburgh Futures Institute 2.20	9:15a - 10:45a Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes	11:00a - 12:30p Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes 2		2:30p - 4:00p Self(re)presentation of a European Scholar Across Political Regimes 3	4:15p - 5:45p Woods beyond Timber: Ecology, Material Transformation and Pluralities of Knowledge across Early Modern Asia
Edinburgh Futures Institute 2.35	9:15a - 10:45a New Perspectives on Collaboration in Science 1	11:00a - 12:30p New Perspectives on Collaboration in Science 2		2:30p - 4:00p GRAPHICS AND TEXT TWENTY YEAR LATER-1: Patterns, Charts And Maps For The State	4:15p - 5:45p GRAPHICS AND TEXT TWENTY YEAR LATER-2: Diagrams, Figures, Plans And Graffiti In Translation

Wednesday July 15, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh Futures Institute 3.35		9:15a - 10:45a Pluralizing the Heritage: Ancient Authors Between Transmission, Contestation, and Reinvention		11:00a - 12:30p Plural Worlds of Care: Transnational Exchanges and Contested Professional Boundaries in Nursing and Rehabilitation			2:30p - 4:00p Plural Worlds of Science and Shifting Perspectives on Home Economics, 1870-1990		4:15p - 5:45p Second Nature: Synthetic Materials and the (Re)making of Biological Knowledge in the Twentieth Century	
Edinburgh International Conference Centre Level 1 Carrick Suites 1		9:15a - 10:45a Shifting Perspectives on Histories of Gravity and Mass 1		11:00a - 12:30p Shifting Perspectives on Histories of Gravity and Mass 2			2:30p - 4:00p Shifting Perspectives on Histories of Gravity and Mass 3		4:15p - 5:45p The Image of Astronomy	
Edinburgh International Conference Centre Level 1 Carrick Suites 2		9:15a - 10:45a Health During and After the British Empire		11:00a - 12:30p Disability's Conscripton in British History			2:30p - 4:00p Bodies in Modern Medicine		4:15p - 5:45p Entangled Arts: Alchemy, Magic, Cryptography, and Prognostication in Early Modern Europe	
Edinburgh International Conference Centre Level 1 Carrick Suites 3		9:15a - 10:45a Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 1		11:00a - 12:30p Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 2			2:30p - 4:00p Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 3		4:15p - 5:45p Disciplinary Perspectives on the London Bills of Mortality, 1518–1858	
Edinburgh International Conference Centre -1 Conference Organisers Room		9:15a - 10:45a Experimentation and Discovery		11:00a - 12:30p New Insights in Modern Science			2:30p - 4:00p Rewriting the History of Science		4:15p - 5:45p Uncovering Hidden Histories	

Wednesday July 15, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 2 Cromdale Hall		9:15a - 10:45a Rewiring Humans 1: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers		11:00a - 12:30p Rewiring Humans 2: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers				2:30p - 4:00p GECC Lightning Talks		4:15p - 5:45p (Mario Biagioli In Memoriam) Into the Mouth of the Wolf: Scientific Authorship, Self-Fashioning, and Other Tightrope Walks in the Works of Mario Biagioli
Edinburgh International Conference Centre Level 3 Fintry Auditorium		9:15a - 10:45a Histories of Habitability		11:00a - 12:30p History of Science After Gaza: From Complicity to Accountability?			2:30p - 4:00p Science and the State: A Global Story		4:15p - 5:45p New Directions at the Intersection of Oral History, Digital Humanities, and the History of Science	
Edinburgh International Conference Centre Level 1 Harris Suite 1		9:15a - 10:45a Local Practises, Contested Knowledge: Making Animal Sciences in Rural Europe (17th-19th Centuries)		11:00a - 12:30p 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)			2:30p - 4:00p Bodies, Values, Materiality: New Histories of Health and Illness in Early Modern Latin America		4:15p - 5:45p Racialising Humans	
Edinburgh International Conference Centre Level 1 Harris Suite 2		9:15a - 10:45a Science and Spiritualism: Current Perspectives and Future Directions		11:00a - 12:30p Shaping Nature 1: Agriculture and Forestry 20th C			2:30p - 4:00p Shaping Nature 2: Insects 20thC		4:15p - 5:45p Shaping Nature 3: Agriculture in the Long 19thC	
Edinburgh International Conference Centre Level 0 Kilsyth Suite		9:15a - 10:45a Chinese Visual Epistemic Technologies 1 (In honor of Francesca Bray)		11:00a - 12:30p Chinese Visual Epistemic Technologies 2 (In honor of Francesca Bray)			2:30p - 4:00p Chinese Visual Epistemic Technologies 3 (In honor of Francesca Bray)		4:15p - 5:45p Award Ceremony of the International Academy for the History of Science 'Koyré medal'	

Wednesday July 15, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 2 Lammermuir 1		9:15a - 10:45a Nuclear History as Global History: Current Debates and New Perspectives 1		11:00a - 12:30p Nuclear History as Global History: Current Debates and New Perspectives 2				2:30p - 4:00p Nuclear History as Global History: Current Debates and New Perspectives 3		4:15p - 5:45p Nuclear History as Global History: Current Debates and New Perspectives 4: A Roundtable
Edinburgh International Conference Centre Level 2 Lammermuir 2		9:15a - 10:45a Constructing the Monstrous Body in Early Modern Europe 1		11:00a - 12:30p Constructing the Monstrous Body in Early Modern Europe 2				2:30p - 4:00p Astrology, Thought, and Power in the Premodern Mediterranean Region		4:15p - 5:45p Under Planetary-Scale Framework: Technology, the State, and Global Order in 20th-Century East Asian Meteorological History
Edinburgh International Conference Centre Lennox 1		9:15a - 10:45a Minescapes 1: What is a "Minescape"?		11:00a - 12:30p Minescapes 2: Mining for Blue				2:30p - 4:00p Minescapes 3: Religion as Knowledge Matrix between Earth Science and Resource Management		4:15p - 5:45p Minescapes 4: Minescapes over the Longue durée
Edinburgh International Conference Centre Level 2 Lennox 2		9:15a - 10:45a Diagrammatic Computations and Their Symbolic Aspects (I)		11:00a - 12:30p Diagrammatic Computations and Their Symbolic Aspects (II)				2:30p - 4:00p Diagrammatic Computations and Their Symbolic Aspects (III)		4:15p - 5:45p Problematising Colonial Instructions: The Global Context of Scientific and Medical Information, 1650-1850
Edinburgh International Conference Centre Level 2 Lennox 3		9:15a - 10:45a Crafts of Microbes: Women and Gender from Antibiotics to Genetic Engineering and the Microbiome		11:00a - 12:30p Polyvocal Transmissions of Knowledge in Psychiatry and Neurosurgery				2:30p - 4:00p Global Knowledge(s): From Mono- to Plurilingual Research at the Intersection of Digital Humanities/AI, Language Corpora, and the Making of Scientific Knowledge		4:15p - 5:45p Do Individuals Matter? Character, Community, and Controversy in the History of Science
Edinburgh International Conference Centre Level 1 Lowther		9:15a - 10:45a HPS Across Borders		11:00a - 12:30p Lost in Translation? Science Wars from a Transnational Perspective				2:30p - 4:00p Beauty matters. Contested arts, contested sciences in the premodern world		4:15p - 5:45p Bodies in Bondage: Medical Knowledge, Regimes of Health, and Resistance in the Early Modern Mediterranean

Wednesday July 15, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 1 Menteith		9:15a - 10:45a Andean Sciences Untranslated		11:00a - 12:30p Making Economies: Planning and Economic Knowledge, 1930 - 1980			2:30p - 4:00p Sea-Work and Modern Science 1900-1939 1		4:15p - 5:45p Sea-Work and Modern Science 1900-1939 2	
Edinburgh International Conference Centre Level 2 Moffat		9:15a - 10:45a Biology's 20th Century Evolution: From Genetics to AI		11:00a - 12:30p Eugenics' Long History			2:30p - 4:00p Evolutions in Heredity		4:15p - 5:45p Genetic Counselling	
Edinburgh International Conference Centre Level 0 Moorfoot Suite		9:15a - 10:45a The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 1		11:00a - 12:30p The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 2			2:30p - 4:00p New Perspectives on Climate Change in the Long 1970s		4:15p - 5:45p James Hutton in/and the Anthropocene	
Edinburgh International Conference Centre Level 1 Ochil Suite 1		9:15a - 10:45a New Perspectives on Science in the Enlightenment		11:00a - 12:30p Challenging Boundaries in the Enlightenment			2:30p - 4:00p Debating Science in the Enlightenment		4:15p - 5:45p Spaces of Science in the Enlightenment	
Edinburgh International Conference Centre Level 1 Ochil Suite 2		9:15a - 10:45a Utopian and Dystopian Sciences		11:00a - 12:30p Raw Materials: Mining, Extraction, and Health in the 20th and 21st Century			2:30p - 4:00p Material and Visual Practices of Knowledge		4:15p - 5:45p Weathering Science	
Edinburgh International Conference Centre Pentland Auditorium				11:00a - 12:30p Challenging Challenger: Legacies of the Scientific Circumnavigation 150 years Later			2:30p - 4:00p The Digital Revolution and the History of Science			

Wednesday July 15, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 1 Platform 5		9:15a - 10:45a Radiation in Medical and Scientific Contexts in the 20th Century		11:00a - 12:30p Physiometry: Contesting the Arts of Bodily Measurement from Phrenology to Dermatoglyphics			2:30p - 4:00p Schizophrenia, Standardization, and Scientific Practices: Clinical Research in the Twentieth Century		4:15p - 5:45p From Sketch to Knowledge: Visual Mediation in Early Modern Natural History	
Edinburgh International Conference Centre Level 3 Sidlaw Auditorium		9:15a - 10:45a Expert Multiplicity and Scientific Authority in the Anthropocene		11:00a - 12:30p Approaches to Teaching the Copernican Revolution			2:30p - 4:00p Empires in the Global History of Nutrition Science		4:15p - 5:45p ESHS Presidential Session	
Edinburgh International Conference Centre Level 0 Tinto Suite		9:15a - 10:45a Manipulating Biota, Engineering Healthscapes: Colonial Science & Medicine 1750-2000		11:00a - 12:30p The Long-longue Durée of Iberian Science and Medicine			2:30p - 4:00p Women's Mentorship: The Gendered Job Market		4:15p - 5:45p From Specimens to Subjects: Plural Practices of Seeing and Naming Primates	
National Museum of Scotland Auditorium		9:15a - 10:45a Collection Stories and Indo-Pacific worlds 1		11:00a - 12:30p Collection Stories and Indo-Pacific worlds 2			2:30p - 4:00p Collection Stories and Indo-Pacific worlds 3		4:15p - 5:45p Collection Stories and Indo-Pacific worlds 4	
National Museum of Scotland Seminar Room		9:15a - 10:45a Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 1		11:00a - 12:30p 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
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Edinburgh Futures Institute 1.40	9:15a - 10:45a Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 1	11:00a - 12:30p Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 2		2:30p - 4:00p Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 3	4:15p - 5:45p Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 4
Edinburgh Futures Institute 1.50	9:15a - 10:45a Activist Epistemics and Artefacts 1	11:00a - 12:30p Activist Epistemics and Artefacts 2		2:30p - 4:00p Activist Epistemics and Artefacts 3	4:15p - 5:45p Pestilence and the Weather: The Environmental Framing of Epidemics in Global Antiquity
Edinburgh Futures Institute 1.52	9:15a - 10:45a Listen: Sound Science Across Time 1	11:00a - 12:30p Listen: Sound Science Across Time 2		2:30p - 4:00p Domesticating Technologies in the 20th Century	4:15p - 5:45p The Limits of Sex
Edinburgh Futures Institute 1.55	9:15a - 10:45a Science and education 1: Pedagogy	11:00a - 12:30p Science and education 2: Practice		2:30p - 4:00p Science and Education 3: Making Expertise	4:15p - 5:45p Attuning to Multispecies Worlds: Farmed Animals, One Health, and Shifting Scientific Practices in Modern China
Edinburgh Futures Institute 1.60	9:15a - 10:45a The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 1	11:00a - 12:30p The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 2		2:30p - 4:00p The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 3	4:15p - 5:45p Natural Knowledge at the Edge of East Asia: Creating Epistemologies of Taiwan's Environment from the Seventeenth Century to the Cold War
Edinburgh Futures Institute 2.20	9:15a - 10:45a Activism, Globalization, and Scientific Societies (1)	11:00a - 12:30p Activism, Globalization, and Scientific Societies (2)		2:30p - 4:00p A New Kind of Amusement for Cultivating the Mind: Science Popularisation in Britain and Italy in the Long Eighteenth Century	4:15p - 5:45p At the Fringes of Earth Science Models

Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh Futures Institute 2.35		9:15a - 10:45a UNEARTHED I: The Many Lives of Res inanimatae		11:00a - 12:30p UNEARTHED II: Res inanimatae in Late Medieval and Early Modern Medicine			2:30p - 4:00p Translating Technologies and Images: a Context for Textual Knowledge-Making across Early Modern Cultural Spheres		4:15p - 5:45p Voices from the Margins: Translators and the Making of 18th and 19th-Century Geological and Mineralogical Knowledge	
Edinburgh Futures Institute 3.35		9:15a - 10:45a Pluralism and the Human Sciences in Imperial and Postcolonial Contexts		11:00a - 12:30p Histories of Climate and Environment 1: Shaping			2:30p - 4:00p Histories of Climate and Environment 2: Knowing		4:15p - 5:45p Histories of Climate and Environment 3: Diffusing and Disputing	
Edinburgh International Conference Centre Level 1 Carrick Suites 1		9:15a - 10:45a New Insights in the History of Chinese Science 1		11:00a - 12:30p New Insights in the History of Chinese Science 2			2:30p - 4:00p The Health of Animals 1		4:15p - 5:45p The Health of Animals 2	
Edinburgh International Conference Centre Level 1 Carrick Suites 2		9:15a - 10:45a Dividing Nature: Classification and its Discontents		11:00a - 12:30p Plants and Knowledge			2:30p - 4:00p Science and Literature		4:15p - 5:45p Technology and Management in Modern History	
Edinburgh International Conference Centre Level 1 Carrick Suites 3		9:15a - 10:45a Controlling and Conserving Animals		11:00a - 12:30p Objectivity Reconsidered			2:30p - 4:00p Building Disciplines		4:15p - 5:45p Malaria, Smallpox, Rabies	
Edinburgh International Conference Centre Level 2 Cromdale Hall		9:15a - 10:45a (Re)thinking Histories of Disease in the "Tropics" (I)		11:00a - 12:30p (Re)thinking Histories of Disease in the "Tropics" (II)			2:30p - 4:00p (Re)thinking Histories of Disease in the "Tropics" (III)		4:15p - 5:45p New Histories of Machine Learning as Making Up People	

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	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 3 Fintry Auditorium		9:15a - 10:45a Making and Circulating Images, Their Impact and Influences on Different Fields of Science 1		11:00a - 12:30p Making and Circulating Images, Their Impact and Influences on Different Fields of Science 2			2:30p - 4:00p Colonial Legacies, Infrastructural Entanglements: Cosmic Infrastructures in Hawai'i, California, and South Africa		4:15p - 5:45p Earth and Environment: Cosmic, Plural, and Contested Perspectives	
Edinburgh International Conference Centre Level 1 Harris Suite 1		9:15a - 10:45a Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge I		11:00a - 12:30p Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge II			2:30p - 4:00p Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge III		4:15p - 5:45p Religion, Identity, and Modernity in 19th and 20th Century Medical Spaces	
Edinburgh International Conference Centre Level 1 Harris Suite 2		9:15a - 10:45a Epidemic and Illness in the Modern Era 1		11:00a - 12:30p Epidemic and Illness in the Modern Era 2			2:30p - 4:00p Science and Technology in Post-1949 China		4:15p - 5:45p Medicine, State Power, and Epistemic Hybridity in Maoist and Socialist China	
Edinburgh International Conference Centre Level 0 Kilsyth Suite		9:15a - 10:45a Disruptive Encounters: Historicizing More-Than-Human Lives in Palestine		11:00a - 12:30p Mediating Meteorology: Communicating Climate and Weather Knowledge from Antiquity to the Present			2:30p - 4:00p Metabolic Frontiers: Transforming Matter and Energy in the 20th Century		4:15p - 5:45p Modernity, Mysticism and Mathematics	
Edinburgh International Conference Centre Level 2 Lammermuir 1		9:15a - 10:45a Shifting Narratives in Space Science and Technology (1)		11:00a - 12:30p Shifting Narratives in Space Science and Technology (2)			2:30p - 4:00p Actors, Agents, and Experts in Computing and AI: Decision-making and Contested Authority in Automated Realms		4:15p - 5:45p Technologies of Colonial Resource Extraction in Africa	
Edinburgh International Conference Centre Level 2 Lammermuir 2		9:15a - 10:45a Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources in the 17th Century 1		11:00a - 12:30p Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources from the 17th Century 2			2:30p - 4:00p Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 1		4:15p - 5:45p Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 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
Edinburgh International Conference Centre Lennox 1		9:15a - 10:45a Landscapes of Development: Plural Visions and the Making of State-Building Infrastructures in East Asia		11:00a - 12:30p Tried and (Con)tested: Sensory Knowledge and Food Production, 900-1800			2:30p - 4:00p The Sciences of the Artificial: Modern Science and Design Expertise		4:15p - 5:45p Sciences and the Ideas of Europe: Geographies, Temporalities and Actors	
Edinburgh International Conference Centre Level 2 Lennox 2		9:15a - 10:45a Tacit Knowledge: Early Career Publishing		11:00a - 12:30p Dark Waters: Constructing Aquatic Predators in Science and Culture			2:30p - 4:00p Necro-geographies: Extractive Beforemaths and Ecological Afterlives of War		4:15p - 5:45p Crisis, Capriciousness, and Control in the Technosciences	
Edinburgh International Conference Centre Level 2 Lennox 3		9:15a - 10:45a Possessed, "Crippled", Uncombustible: Bodies at the Limit of Technologies and Genders		11:00a - 12:30p Taming Psychotherapy: From Radical Experiment to Standards of Practice (1960-2000)			2:30p - 4:00p Seeing Health: Representing Medical Knowledge in Early Modern period		4:15p - 5:45p Contested Science (and Technology Studies): Histories of STS and Its Forerunners, Interlocutors, Competitors, Targets, and Patrons	
Edinburgh International Conference Centre Level 1 Lowther		9:15a - 10:45a Old Problems, New Angles: Toward a Global History of Mathematics		11:00a - 12:30p Book Roundtable: Jessica Riskin, The Power of Life: The Revolutionary Science of Jean-Baptiste Lamarck			2:30p - 4:00p Living/Thinking in Monstrous Times		4:15p - 5:45p Shifting Science in Film and Television: Historically-Informed Performance Practice, Artistic License, and the Spectacular Screen	
Edinburgh International Conference Centre Level 1 Menteith		9:15a - 10:45a Histories of 19th and 20th Century Astronomy		11:00a - 12:30p Cosmologies Ancient and Early Modern			2:30p - 4:00p Divining Heaven and Earth		4:15p - 5:45p Space Sciences and Politics	

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	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 2 Moffat		9:15a - 10:45a Cold War Science in Asia		11:00a - 12:30p New Histories of Cold War Scientific Exchange			2:30p - 4:00p Science and World War 2		4:15p - 5:45p New Approaches in the History of Science	
Edinburgh International Conference Centre Level 0 Moorfoot Suite		9:15a - 10:45a Animals in Motion: Multispecies Entanglements in Asian Environments		11:00a - 12:30p Shifting Perspectives on Disease Entities			2:30p - 4:00p Contested Skies: Plural Cosmologies and Sino-European Exchanges of Astronomical Knowledge in China, 16th–20th Centuries		4:15p - 5:45p “Pedagogies of Things” in the Natural History Humanities	
Edinburgh International Conference Centre Level 1 Ochil Suite 1		9:15a - 10:45a Mathematics and Practical Knowledge		11:00a - 12:30p New Perspective on the Histories of Mathematics			2:30p - 4:00p Rewriting the Histories of Algebra		4:15p - 5:45p Euclid and Geometry Across Traditions	
Edinburgh International Conference Centre Level 1 Ochil Suite 2		9:15a - 10:45a Science, Authority, and Circulation		11:00a - 12:30p Practising Medicine in Colonial India			2:30p - 4:00p Fishing for Science		4:15p - 5:45p World War Histories of Science	
Edinburgh International Conference Centre Level 1 Ochil Suite 3		9:15a - 10:45a Food and Health		11:00a - 12:30p The Politics of Standardization			2:30p - 4:00p Sciences of Disaster		4:15p - 5:45p Heavens, Earth, and Water in the Early Modern Iberian World	
Edinburgh International Conference Centre Pentland Auditorium		9:15a - 10:45a Contested Knowledges of Climate, Food and Famine		11:00a - 12:30p Searching for Eden in 20th-Century Ecological Thought						

Thursday July 16, 2026

	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:00pm	3:00pm	4:00pm	5:00pm
Edinburgh International Conference Centre Level 1 Platform 5		9:15a - 10:45a Archaeological Decipherment: Discovery, Conviction, Allure		11:00a - 12:30p The Science, Sensation, and Schism of Medical Electricity			2:30p - 4:00p Unorthodox Women, Unorthodox Ideas in Modern Biological Research		4:15p - 5:45p Sciences of the Deep Past	
Edinburgh International Conference Centre Level 3 Sidlaw Auditorium		9:15a - 10:45a What Do Museums Do with Collections of Human Remains?					2:30p - 4:00p Testing, Staging and Recording: Film as Research and Practice in the Psy-Disciplines		4:15p - 5:45p Science and Activism: A Long History	
Edinburgh International Conference Centre Level 0 Tinto Suite		9:15a - 10:45a Ships, Fevers, and Specimens: Cross-Cultural Knowledge in Early Modern Maritime Asia		11:00a - 12:30p Women and Public Health in India: Colonial and Post Colonial Perspectives			2:30p - 4:00p Contested Mesmerism, a Plural Medical Science in Global Perspective		4:15p - 5:45p Reshaping Boundaries and Reconfiguring Networks: Islamicate Discourses on the Sciences in an Age of Transformation	

SUNDAY, JULY, 12

001. HSS Council Meeting

ESHS/HSS Annual Meeting

Business Meeting

Sunday 1:00 to 5:00 pm

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

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

MONDAY, JULY, 13

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.40

Participants:

International Polar Year(s): 150 years of unique polar singularity *Yulia V. Zaika, The Luzin Institute for Economic Studies, Kola Science Centre, Russian Academy of Sciences, Apatity*

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*

Transient institutions of polar research in early polar aviation *Urban Wrakberg, Arctic University of Norway at Kirkenes*

Chair:

Urban Wrakberg, Arctic University of Norway at Kirkenes

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

Organized Session

Monday 9:15 to 10:45 am

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

004. Findings in Digital Humanities 1: Ancient

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.52

Participants:

Digitizing Geographical Data in Tabular Form: Examples from Abū al-Fidā's Taqwīm al-buldān *Fateme Savadi*

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*

Who Was Who in Egyptology: Rebuilding a Research Infrastructure *Hana Navratilova, University of Oxford, Harris Manchester College*

005. Visualization and Material Cultures of the Heavens across Eurasia

Organized Session

Monday 9:15 to 10:45 am

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

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

Organized Session

Monday 9:15 to 10:45 am

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, Graduate Student, Faculty of Asian and Middle Eastern Studies, University of Cambridge, United Kingdom

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, Asian University for Women

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

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh Futures Institute: 2.20

Participants:

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

The Fetus as Blueprint? Secularism, Science, and Abortion Law Reform in Canada, 1967-1969 Christabelle Sethna, University of Ottawa

Session Organizers:

Agata Ignaciuk, University of Granada

Sylwia Kuźma-Markowska, University of Warsaw

Chair:

Agata Ignaciuk, University of Granada

Commentator:

Sylwia Kuźma-Markowska, University of Warsaw

008. CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 1

Organized Session

Monday 9:15 to 10:45 am

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

009. Data Visualization and the History of Statistics 1

Organized Session

Monday 9:15 to 10:45 am

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

010. New Insights in Early Modern Science: Institutions

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Robert Greene and the Contestation of Isaac Newton's Natural Philosophy at Cambridge

Steffen Ducheyne, Vrije Universiteit Brussel

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

011. Scientific Expeditions and the Co-Production of Knowledge

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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)*

Liveliness in Lines and Color: Illustrations, Interspecies Relations, and the Making of Scientific Knowledge during the Central Asiatic Expeditions (1921-1930) *Xin Xie, Chinese University of Hong Kong*

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

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

013. Institutions and Standards in the 19th and Early 20th Century

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor -1 -

Conference Organisers Room

Participants:

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

Distinguishing Scholars from Literary Charlatans: State Funding and Scientific Boundary Work in Nineteenth-Century Sweden *Alexander Isacson, Karlstad 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*

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Inheritance and Innovation in Mughal Astronomy: A Critical Comparison of the Zīj-i Šāh Jahānī Tables with the Zīj-i Sultānī of Ulugh Beg *Anuj Misra, MPIWG Berlin*

Session Organizers:

Matthieu Husson

Stefan Zieme, Humboldt University Berlin

Chair:

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

015. Villains in Science and Nature

Roundtable

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

Nasser Zakariya, UC Berkeley

Catherine Evans, University of Toronto

John Paulraj, Geneva Graduate Institute, Switzerland

Henrique Brenner Gasperin, Geneva Graduate Institute, Switzerland

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

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

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

018. Animal Histories I: Ordering the Unruly Across Imperial and Therapeutic World

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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 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

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 2 - Lammermuir 1

Participants:

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

The Transience and Tangled Truths of Early Modern Instruments *Alexi Baker*

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

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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, India*

Session Organizer:

Harry Yi-Jui Wu, National Cheng Kung University

Chair:

Yi-Tang Lin

Commentator:

Edna Suárez-Díaz, Universidad Nacional Autónoma de México

021. Observing Natural Signs in Early Modern Occult Philosophy

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Lennox 1

Participants:

"These Signs 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 *Gretchen Kepplinger, Princeton University*

Chair:

Jennifer Rampling, Princeton University

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 2 - Lennox 2

Participants:

What is a Microbe? Graffiti and the Elucidation of Biology *Michael Rossi, University of Chicago*

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

023. Plant Humanities 1 - Mapping an Emerging Field

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

024. Transcultural Psychiatry and the Sinophone Pacific

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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 Groninge

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

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor

Level 1 - Menteith

Participants:

Fun in Physics: From Reverence to Play in Twentieth-Century Science Annelie Elisabeth Drakman, The Department for the History of Science and Ideas, 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 Zurich

Chair:

Barbara Hof, University of Zurich

026. Fertility and the Sexed Body: Fluids and Health

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor

Level 0 - Moorfoot Suite

Participants:

Anatomy, Ancient Literature, and the Construction of Sex Categories in 16th-Century Learned Medicine Martina Ravaoli

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:

Martina Ravaoli

028. Celestial Spheres 1

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor

Level 1 - Ochil Suite 1

Participants:

The Algorithmic Lens Applied to New

Babylonian Astronomical Procedure

Fragments *E.L. Meszaros, Brown University*

The Samarkand Astronomical School: Applying

Exact Sciences as Useful Knowledge *sadegh*

shahriar, University of Tehran

The Lost Celestial Globe: The Form, Prototype,

and Function of HunXiang (浑象) in the Ming

Dynasty *Nan Zhang*

029. Mental Health

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor

Level 1 - Ochil Suite 2

Participants:

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

Reflecting upon "Progress": Zhang Yaoxiang

and the Science and History of Psychology in

Republican China *Ying Zhou, Xiamen*

University; Guo Jin, Soochow University;

Zhonghong Xiao, Xiamen University

The Patients of Dr Mury: Trauma, Reparation

and Memory Before PTSD *Enric Novella, López*

Piñero Interuniversity Institute for Science Studies

(University of Valencia); Àlvar Martínez Vidal,

López Piñero Interuniversity Institute for Science

Studies (University of Valencia)

030. Imperial Botany in Asia

Contributed Paper Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

031. Openness in the History of 20th Science

Governance

Roundtable

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Pentland

Auditorium

Session Organizer:

Sabina Leonelli, Technical University of Munich

Participants:

Rachel Ankeny, University of Adelaide

Sabina Leonelli, Technical University of Munich

David Irion, Leibniz Institute for Contemporary

History

Helena Toth, Institut für Geschichtswissenschaften

und Europäische Ethnologie, University of Bamberg

Miguel Garcia-Sancho, University of Edinburgh

032. Practitioners, Artisans and Instruments in the

Making of Premodern Science, I

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor

Level 1 - Platform 5

Participants:

«**Duris agrestibus arma**»: **Agricultural**

Instruments in Translations of Virgil's

Georgics *Francesco Davoli*

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,*

University of Maryland

Session Organizer:

Fabrizio Baldassarri, University of Rome 3

Chair:

Aleksandar Shopov, SUNY Binghamton

033. Hazards, Accidents, and Knowledge Production in Modern Industry

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

Smelting Solutions: Georgian Engineers Against Industrial Decline Tamar Qeburia, Leibniz Institute for East and Southeast European Studies

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

034. Making Global Temperature Across Land, Ice and Oceans

Organized Session

Monday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

035. Genealogies of Learning and Communities of Practice: New Perspectives on Early Modern Knowledge

Roundtable

Monday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.40

Session Organizers:

Elaine Leong, University College London

Tillmann Taape

Jack Hartnell, National Gallery, London

Chair:

Maria Pia Donato, CNRS/IHMC, Paris

Participants:

Tillmann Taape

Maria Luz López Terrada, INGENIO (CSIC–Universitat Politècnica de València)

Scottie Buehler, SHSU

Paula De Vos, San Diego State University

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

Organized Session

Monday 11:00 to 12:30 pm

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; Maria - Amiridi-Wiedenmayer, National and Kapodistrian University 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

Commentator:

Ellen Logan, Maastricht University

037. Findings in Digital Humanities 2: Modern

Contributed Paper Session

Monday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.52

Participants:

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

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

The Making and Metamorphosis of the Modern Health Crusader *Charlotte Louise White, Newcastle University*

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

038. Emergence and Interpretation of the Principle of Energy Conservation in the Long 19th Century
Organized Session

Monday 11:00 to 12:30 pm

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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.60

Participants:

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

The trajectory of an "outsider": Salvador de Toledo Piza Júnior and the history of genetics in Brazil *Guilherme Prado Roitberg, Federal Institute of Minas Gerais (IFMG)*

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, Department of Biology- 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

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

Organized Session

Monday 11:00 to 12:30 pm

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) *Sylwia Kuźma-Markowska, University of Warsaw*

'Abortion is a tragedy, not a crime': pro-abortion visual discourse in Italy (1956-1981) *Azzurra Tafuro, University of Padua*

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

Session Organizers:

Agata Ignaciuk, University of Granada

Sylwia Kuźma-Markowska, University of Warsaw

Chair:

Maria J Santesmases, CSIC, Spain

Commentator:

Agata Ignaciuk, University of Granada

041. CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 2

Organized Session

Monday 11:00 to 12:30 pm

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

042. Data Visualization and the History of Statistics 2

Organized Session

Monday 11:00 to 12:30 pm

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

043. New Insights in Early Modern Science: Knowledge Production

Contributed Paper Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 1

Participants:

In Quest of Ancient Wisdom: Rethinking Prisca Sapientia in the Age of the New Sciences *Nicolò Cantoni, Vrije Universiteit Brussel*

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*

044. New Perspectives on the Circulation of Knowledge

Contributed Paper Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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 Sàanchez, KU Leuven*

Neugebauer's Perspective on Islamic Scientific Tradition *Hassan Amiri*

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

045. Citizen Science in a Global Perspective

Contributed Paper Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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, CHANGE and CE3C - University of 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*

046. Measurement and Instrumentation

Contributed Paper Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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
Mathieu Husson

Chair:

Samuel GESSNER, Centro Interuniversitário de

História das Ciências e da Tecnologia, University of Lisbon

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 3 - Fintry Auditorium

Participants:

A Climate of Scarcity: Meteorology and the Building of Fascist Autarky, 1929-1939 *Angelo Caglioti, Barnard College, Columbia University*

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

Captive Climates: Political incarceration, Health and Environment in the Cold War Mediterranean *Milica Prokic, University of Strathclyde*

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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

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

Contributed Paper Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 2

Participants:

“Organic Remains Restored”: Leonard Horner, August Goldfuss, and International Geological Research in Penny Magazine, 1833 *Anne Ricculli, 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 Climates, and the Politics of Prehistory in Nineteenth-Century Ireland *Cameron Daddis, University of Wisconsin-Madison*

051. Animal Histories II: Taming Extractivism Across Elemental Worlds

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 0 - Kilsyth Suite

Participants:

Microdimensions of Extractivism in Chemical Science: Social Lives of Chemical Elements in Landscapes and Animals *Somerset Y Wu, School of Chemistry and Medical Sciences, University of Sydney / College of Chemistry, University of California, Berkeley*

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

Aquaculture Perspectives: the Growth and Degrowth of Oysters in Taiwan Author: *Olga Carlino, National University of Singapore*

Chair:

Tsung-Jen Jen Hung, University of Sydney

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 2 - Lammermuir 1

Participants:

Wasting the City: Guasti, Material Loss, and the Infrastructural Afterlives of Early Modern Destruction *Chiara Capulli, Museo Nazionale*

Castel Sant'Angelo - Bibliotheca Hertziana

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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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, New Jersey Institute of Technology

055. Diagnosing Difference in Biomedicine

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 2 - Lennox 2

Participants:

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

Changing Sex: Sex Diagnosis 1916-1945 *Kyra Elise Hoerr, 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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Lowther

Participants:

The Colonial Laboratory: Caribbean Origins of the Marshmallow Test *Susanne Schmidt, University of Basel*

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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Menteith

Participants:

Diversity, Disagreements, and the Physical Sciences *Climerio 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 Zurich

Gisela Mateos, Universidad Nacional Autónoma de
México

Chair:

Gisela Mateos, Universidad Nacional Autónoma de
México

059. Fertility and the Sexed Body: Forms of Control

Contributed Paper Session

Monday 11:00 to 12:30 pm

*Edinburgh International Conference Centre: 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*

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

Organized Session

Monday 11:00 to 12:30 pm

*Edinburgh International Conference Centre: 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*

**Cybernetic Self-Observation: Poetic and
Psychiatric Ego Experiments in Post-War
Britain** *Rhodri Hayward, Queen Mary University
of London*

Session Organizer:

ANDREAS MAYER, CNRS

Chair:

ANDREAS MAYER, CNRS

061. Celestial Spheres 2

Contributed Paper Session

Monday 11:00 to 12:30 pm

*Edinburgh International Conference Centre: Floor
Level 1 - Ochil Suite 1*

Participants:

**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*

**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*

062. Public Health in the Americas

Contributed Paper Session

Monday 11:00 to 12:30 pm

*Edinburgh International Conference Centre: 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*

**The Governmentality of Sanitary Imperialism:
The Rockefeller Foundation's Yellow Fever
Campaign and Its Institutional Legacies in
Latin America (1913-1930)** *Hang Zhao,
Research Center for the History of Modern World,
Nankai University, China*

Transforming Systems for Better Clinical

Evidence: Creating National Clinical Trial Frameworks in Mid-Twentieth Century America *Khanh Bui, National Cancer Institute*

063. Grafting Colonial Botanies

Contributed Paper Session
Monday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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 "Firsts": 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*

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

Roundtable
Monday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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
Adam Sitze, Amherst College
Alix Cooper, SUNY-Stony Brook
Michael Banerjee, UC Berkeley

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

Organized Session
Monday 11:00 to 12:30 pm
Edinburgh International Conference Centre: Floor Level 1 - Platform 5

Participants:

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

University of Cambridge

Mathematical Knowledge in Premodern Atlantic Iberian Carpentry Traditions *Sebastián Molina-Betancur, Independent scholar*

Artisans of the Ocean: Atlantic pilots, local knowledge and global networks in Early Modern Iberia *Antonio Sanchez, Universidad Autónoma de Madrid*

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

Session Organizer:

Fabrizio Baldassarri, University of Rome 3

Chair:

Jane Wess

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

Organized Session
Monday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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

Foreign Engineers in the late Ottoman Empire
Darina Martykanova, Autonomous University of Madrid

Shifting Perspectives on Engineering, Gender, and Middle-Class Formation: Early Women Engineers in Republican Türkiye *Gül Aydın, History of Science and Technology Department, 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

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

Organized Session

Monday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

068. Rarity in Medicine 1: New Narratives

Organized Session

Monday 2:30 to 4:00 pm

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

069. Herbs, Medicine, and Cures from the Earth

Contributed Paper Session

Monday 2:30 to 4:00 pm

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*

Psychedelic Witches and Reproduction: Ecofeminist Histories from Rural Portugal (1880-1960) *Maria do Mar Gago, Institute of Contemporary History, NOVA School of Social Sciences and Humanities/ IN2PAST (Lisbon, Portugal)*

"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*

070. New Perspectives on the History of Science Diplomacy 1

Contributed Paper Session

Monday 2:30 to 4:00 pm

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*

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

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

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

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

Organized Session

Monday 2:30 to 4:00 pm

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

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

Organized Session

Monday 2:30 to 4:00 pm

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*

Between Theory and Practice: The Utilization and Knowledge Production of Human and Animal Excrement in 16th-17th Century China *Yuanming Song*

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

Session Organizer:

Benjamin Sinvany, Columbia University

Chair:

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

073. Representing Pregnancy: Science and Culture in the 20th Century 3

Organized Session

Monday 2:30 to 4:00 pm

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:

Christabelle Sethna, University of Ottawa

Commentator:

Laura Kelly, University of Strathclyde, Glasgow

074. CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 3

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh Futures Institute: 2.35

Participants:

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

Abandoning the Pseudocommons *David Schmutte, 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

075. Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks_1

Organized Session

Monday 2:30 to 4:00 pm

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

076. New Insights in Early Modern Science:

Materialities

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Subterranean Disruptions: Underground Materialities and Contested Knowledge in 17th-Century Spanish America *Gina Del Piero, University of Buenos Aires*

077. Late Nineteenth-century Sciences

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

078. Science, Technology and Politics in the 20th Century

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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, Institutat 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*

079. Scientific Instruments

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Worlds Outside the Weltmaschine: From a Pastor's Cosmic Model to an Embassy's Gift for China *Wenjie Su, Princeton University; University of Arkansas*

Optical Knowledge of Aerial Photogrammetry Instruments in the Republic of China Period

Jiale Song, Institute for the History of Science and Technology, Inner Mongolia Normal University, Hohhot, China

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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)

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

Roundtable

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor

Level 3 - Fintry Auditorium

Chair:

Susan Lindee, University of Pennsylvania

Participants:

Lino Camprubí, University of Seville

Alexandra Hui, Mississippi State University

John Kanbayashi, University of Pennsylvania

Andreas Mentrup-Womelsdorf, University of Augsburg

Anna Lehr Mueser, University of Pennsylvania

082. Water Knowledge and Water Experts I

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor

Level 1 - Harris Suite 1

Participants:

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

Sought or Scorned? The Role of Water Experts in Mamlūk Cairo's Hydraulic Projects *Angela Isoldi, Radboud University*

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

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

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

084. Contested Conceptions of Atlantic Animals I

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor

Level 0 - Kilsyth Suite

Participants:

From Nahua Knowledge to Royal Fauna: Translation and Appropriation of Endemic Animals Across the Iberian Atlantic *Ana Laura Zúñiga Loreto, Columbia University; Carlos Roberto Galaviz Sánchez, Universidad Nacional Autónoma de México*

Music and the Manatee: Knowledge Interaction

in the Spanish and Portuguese Empires *Tasio Rodrigo, Institute of History of Science, Universidad Autónoma de Barcelona*

Chair:

Seán Thomas Kane, Binghamton University

085. Genealogy & Inheritance between Passion, Law, and Science, I

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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:

Anna Bonnell Freidin, University of Michigan

086. The Local and the Global in Scientific Information

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

087. Natural Extraction: Shifting Epistemic Hierarchies Within the Danish Atlantic Empire, 1770–1940

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

What Does Arabic Literature Bring to the Table of Ethnobotany and Holy Botany? *Mohammad Al-Zein, American University of Beirut*

Session Organizers:

Yota Batsaki, Dumbarton Oaks, Harvard University

Elena Canadelli, University of Padova

Chair:

Yota Batsaki, Dumbarton Oaks, Harvard University

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

092. Fertility and the Sexed Body: Midwifery and Childbirth

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

093. Cybernetic Anthropologies: Midcentury Redesigns of a Technomodern Field

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

The Situation in the Field: From Air Defense

Simulator to Indigenous Village in Midcentury Andean Anthropology *Jason Pribilsky, Whitman College*

RAND's Linguistic Drive: Computerizing

Anthropology in 1960s Chiapas *Matthew Watson, Mount Holyoke College*

Chair:

Matthew Watson, Mount Holyoke College

094. Thinking about Time and the Cosmos

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

095. Public Health in Europe

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 2

Participants:

Habits for Health and Virtue: Noble Families' Use of Health Practices as Social and Cultural

Strategies in Nineteenth-Century Finland

Evelina Wilson, Åbo Akademi University

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*

096. Hidden Legacies of Slavery and Freedom in the History of Science

Contributed Paper Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

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

Roundtable

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Pentland Auditorium

Session Organizer:

Maurizio Esposito, University of Milan

Participants:

Richard Delisle, University of Lethbridge
David Ceccarelli, Roma Tre University

Bogdana Stamenkovic, University of Belgrade
Koen Tanghe, Ghent University
Martin Ribeiro, University of Lisbon

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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, IN*

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

099. Shifting Perspectives on the History of Discovering DNA's Double Helix Structure

Roundtable

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

101. Rarity in Medicine 2: Geographies and Politics

Organized Session

Monday 4:15 to 5:45 pm

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*

Rare Spleens and Black Skin: Rarity in the making of Kala-Azar in Assam, 1890s. *Saikia Anidrita, Delhi University*

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

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

Organized Session

Monday 4:15 to 5:45 pm

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 Ostances 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

103. New Perspectives on the History of Science Diplomacy 2

Contributed Paper Session

Monday 4:15 to 5:45 pm

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 Maissonobe, CNRS; Niki Vermeulen, University of Edinburgh*

Cold War Reiteration of the Plurality of Worlds: The Prague Spring and “Communication with Extraterrestrial Intelligences” *Gabriela Radulescu, Independent Scholar*

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

104. Transformations of Mathematics in the 20th Century

Organized Session

Monday 4:15 to 5:45 pm

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

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

Organized Session

Monday 4:15 to 5:45 pm

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

106. Predicting Fertility, Fertility’s Predictions: Measuring Bodies, Norms, and Futures

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh Futures Institute: 2.20

Participants:

Ageing Sperm: Semen Analysis, Sex Hormones, and Quantifying Physiological Age *Ben Maldonado, Harvard University*

Predictive Tissue: Bull Testicle Tonometers and the Industrialization of Touch *Elspeth Gow, University of Pennsylvania*

Gender and Fertility Metrics *Marion Boulicault*

Session Organizer:

Elspeth Gow, University of Pennsylvania

Chair:

Ben Maldonado, Harvard University

107. CTRL ALT SHIFT. Expériences, Knowledge, Activism, Methods - 4

Organized Session

Monday 4:15 to 5:45 pm

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

108. Shifting Perspectives on Data: Revealing Imbalances in Global Scientific Networks_2

Organized Session

Monday 4:15 to 5:45 pm

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

109. New Insights in Early Modern Science: Savants

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 1

Participants:

Densat, erant quae rara modo, et quae densa, relaxat: Late Scholastic Accounts of

Rarefaction and Condensation *Omar Hraoui, Ca' Foscari University Venice / Radboud University Nijmegen*

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*

Stoic Poetry and Early Modern Science: Aratus and Cleomedes *Demetrios Paraschos, VUB*

The Case for Galileo as a Secular Saint *Victoria Hammond, University of Louisville*

110. Knowing Nature in the 20th Century

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Meteorological Knowledge and Material Practices Across Multiple Scales in Early Socialist China *Yifan Song, Durham University*

111. Science, Politics, and the Nation

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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, Central University of Gujarat*

Science, State, and the Nation: The Politics of Science in Turkey from 1923 to 2023 *Gülşen Seven, TED University; Alper Yalçınkaya, TED University*

The Science of Black Methodism *Kelcey Gibbons, MIT*

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

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor -1 - Conference Organisers Room

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, Museum of Cultural History, University of Oslo

113. Trust, Distrust, Faith and Disbelief

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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. Gennermann, University of Marburg

Session Organizer:

Robert Bud, The Science Museum, London

Chair:

Jaume Navarro, University of the Basque Country

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

Roundtable

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

115. Water Knowledge and Water Experts II

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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, Dr

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

116. Geosciences in the 19thC

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

117. Contested Conceptions of Atlantic Animals II

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 0 - Kilsyth Suite

Participants:

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

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

Scaled Monstrosities of the Early Modern Imagination: Crocodilia in the Americas Gabrielle T. Clement, University of Delaware

Chair:

Seán Thomas Kane, Binghamton University

118. Genealogy & Inheritance between Passion, Law, and Science, II

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Lennox 1

Participants:

"Every cow is now a mother: the science and politics of breastfeeding" Alma Igra, University of Amsterdam

'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

Chair:

Alma Igra, University of Amsterdam

121. Human Isolates and Population Admixtures: The Changing Politics of Human Genetics in the 20th and 21st Centuries

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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 Ashkenazi Plonter (tangle). Ideology and politics in demarcating populations Snait Gisis, Cohn Institute - University of Tel Aviv

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 Organizers:

Luc Berlivet, French National Centre for Scientific Research

Snait Gisis, Cohn Institute - University of Tel Aviv

Chair:

Jaehwan Hyun, Pusan National University

122. Plants, Heritage and Colonial Histories – A Roundtable

Roundtable

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

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

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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, PhD student 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

124. Contested Bodies: Science and Statecraft in 20th-Century China and Taiwan

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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, History Department, Duke University*

Against Intensity: Ping Pong, Martial Arts, and the Ideology of Sport in Republican China *Nathaniel Pigott, University of California, Irvine*

Global Evolutionary Theory, Local Nationalisms: The Reception of Franz Weidenreich in Taiwan's Anthropological Community *Weicheng Huang*

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

125. Women Healers: Nursing in the Early 20th Century

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Science and Gender: Obedience, Patriarchy and Nursing *Alba Masramon Cruzate, University of Barcelona*

126. Dissent, Translation, and Appropriation in Chemical Textbooks, 1760-1881

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

127. Thinking about Time and Cosmos 2

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 1

Participants:

Re-enchantment: The Making of Cometary Knowledge in London and Paris, 1811-1812 *Deguang 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*

A Study of Monk Yixing's Calendrical Thoughts from the Discussion on Dayan Li Weixing *Niu, University of Science and Technology of China*

Armillary Spheres and Moon Goddesses: Hybrid Cosmologies in New Spain *Kathleen M. Crowther, University of Oklahoma*

128. Medical Professionalization and Its Histories

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

129. Making and Unmaking Colonial Science

Contributed Paper Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Science between East and West: Anti-colonialism and Science Journalism in the Age of Asian Exclusion *Shaivya Mishra, Czech Academy of Sciences*

Colonial Administrator-Intellectuals across the British Empire: Appropriating Knowledge and Extracting Labour in the Late Nineteenth-Century. *Mobeen Hussain, University of York*

130. Technology through the Kaleidoscope: Shifting Perspectives by Playing with Prepositions

Roundtable

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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
Whitney Laemmler, Carnegie Mellon University
Elly Truitt, University of Pennsylvania

131. Time Matters: Astral Causation and Material Efficacy in Pre-Modern Science

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Platform 5

Participants:

Stars, planets, and alchemical tinctures in

Byzantium *Matteo Martelli, University of Bologna*

Astral Causation in Safavid Encyclopedism

Dominique Sirgy, University of South Carolina

From The Mother's Ashes: 'Ilm al-Takwīn' — The Science of Generation and the Secret Life of Matter in the Mujmal al-Ḥikma

Laura Tribuzio, Senior Researcher on the ERC Synergy Project MOSAIC at the Université Catholique de Louvain

Between Time and Matter: Weather Anomalies in a Pre-Modern Arabic Astrological Text

Razieh Mousavi, FAU Erlangen-Nuernberg | MPIWG

Session Organizer:

Razieh Mousavi, FAU Erlangen-Nuernberg | MPIWG

Chair:

Matteo Martelli, University of Bologna

132. Material Culture and the History of Mathematical Science: Exploring Regional Traditions

Roundtable

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

Eric Vandendriessche

Daniel Patrick Morgan

133. Listening Otherwise: Epistemic Justice and Methods of Research Participation in Histories of Reproductive Biomedicine

Organized Session

Monday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 0 - Tinto Suite

Participants:

Learning with Patient Campaigners about an international Drug Scandal

Birgit Nemeč, University of Vienna; Jesse Olszynko-Gryn, MPIWG; Mumtaz Hussain, Worcester University

Deconstructing Yugoslav Women's Recollections of Reproductive Regulation: Oral History, Memory, and Method

Branka Bogdan, Independent scholar

The Participants: Remembering the Auckland Steroid Trial

Charlotte Greenhalgh, University of Waikato

Session Organizers:

Charlotte Greenhalgh, University of Waikato

Birgit Nemeč, University of Vienna

Chair:

Tatjana Buklijas, University of Auckland

TUESDAY, JULY, 14

134. Animal Networks. Zoos in the Peripheries 1

Organized Session

Tuesday 9:15 to 10:45 am

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

135. Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 1

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.50

Participants:

Solving Food Scarcity in Colonial North America? (1607-1783) *Rachel Winchcombe, University of Manchester*

"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)*

Drink scarcity, environmental crisis and Indigenous bodies in the colonisation of Mesoamerica *Ricardo Aguilar, The University of Warwick / Environmental Geography Research Centre at Universidad Nacional Autónoma de México*

Session Organizer:

Lavinia Maddaluno, Institut d'Études Avancées, Paris; University of Ca' Foscari in Venice (Italy)

Chair:

Samir Boumediene, CNRS; ENS University of

Lyon

136. Early Modern Medicine 1

Contributed Paper Session

Tuesday 9:15 to 10:45 am

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*

137. Shifting Perspectives in Historiography of Science under the Fascist Rule 1

Organized Session

Tuesday 9:15 to 10:45 am

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:

Luigi Ingaliso, University of Catania

Commentator:

Daniele Cozzoli

138. European Surgeons Across the Early Modern World: Itinerary, Knowledge, and Practice

Organized Session

Tuesday 9:15 to 10:45 am
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 Itinerancy in Early Modern Britain *Elaine Leong, University College London*

Session Organizer:

Alisha Rankin, Tufts University

Chair:

Pablo F. Gómez, University of Wisconsin–Madison

139. What Is the History of Science? Part 1

Organized Session

Tuesday 9:15 to 10:45 am

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*

Making Technology an Intellectual Matter: History of Technology in France and its International Connections, 1900–1945 *Marcos Camolezi*

A Historiography in Flux: History of Science in the Baltic States *Birute Raišienė, Wroblewski Library of the Lithuanian Academy of Sciences*

Session Organizer:

Stephen P Weldon, University of Oklahoma

Chair:

Francesco Luzzini, University of Eastern Piedmont

140. What to Do with the “Heroes” of Science?

Roundtable

Tuesday 9:15 to 10:45 am

Edinburgh Futures Institute: 2.35

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

John van Wyhe, National University of Singapore

Louisiane Ferlier, Royal Society
Maria Pia Donato, CNRS/IHMC, Paris

141. Past and Present Indigenous Knowledges and Scientific Authority in the Americas

Organized Session

Tuesday 9:15 to 10:45 am

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

142. Sources beyond the Archive

Roundtable

Tuesday 9:15 to 10:45 am

National Museum of Scotland: Auditorium

Chair:

Donald L. Opitz, DePaul University

Participants:

Anna Doel, American Institute of Physics

Melinda Baldwin, University of Maryland

Geoffrey Belknap, National Museums Scotland

Paul Merchant, The British Library

Paul Rubinson, Bridgewater State University

143. Sciences and Spiritualism

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Of Mortal and Spirit-Bodies: Examining ‘Unreason’ and Spectral Science in Colonial India *Samiparna Samanta, O. P Jindal Global*

University

Representation of Metapsychology in Czech Scientific Discourse Around 1920 *Nikola Plíšková, Charles University*

144. Histories of Mathematics

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 2

Participants:

Pi and the Limits of Enlightenment Rationality:

Measuring the Unmeasurable *Arya Mohan S*

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*

145. Public Health and Governance in the 19th and Early 20th Century

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

146. Invisible Actors in Biomedical and Environmental Sciences (I) & (II)

Organized Session

Tuesday 9:15 to 12:30 pm

Edinburgh International Conference Centre: 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*

Emotional conflict: experimenting with primates in the Institut Pasteur metropolitan and colonial laboratories (ca. 1900-1960) *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

147. Science Diplomacy: Cooperation, Competition and Crisis 1

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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, Austrian Academy of Sciences

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

148. Epidemiology Unbound 1

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 1

Participants:

Statistical Individuals *Christopher J Phillips, Carnegie Mellon University*

The Test Ban –a p value does not separate truth from non-truth. *Patricia Priest, University of Otago*

Disability-Adjusted Life-Years - The Most Used and The Least Understood Measure in Global Public Health *Sid Zadey, Columbia University Mailman School of Public Health*

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

149. Computer Sciences

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

150. Recovering the Histories of Women in Quantum Physics 1

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

151. History of Quantum Optics 1

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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, US*

Session Organizer:

Gautier Depambour, Université Paris Cité

Chair:

Gautier Depambour, Université Paris Cité

152. Contested Success and Celebrated Failure: The Practice of Mathematical Instruments in Varied Settings I

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

153. Ground Truth: From Local Data to Global Theories of the Earth

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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, Department for History, University of Vienna*

The Physical Geosciences in the 19th Century: Global Sciences and their Contexts *Gregory A Good*

Discordant Measurements and Models of Concordance in Mid-Century Geochronology *Nanina Foehr, LMU Munich*

Chair:

Simon Naylor, University of Glasgow

154. Infrastructure of Empire and Knowledge in the Nineteenth and Twentieth Century Middle East

Organized Session

Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: Floor
Level 2 - Lennox 2

Participants:

Desert Dwellers and the Infrastructure of Imperial Knowledge in Nineteenth Century Sinai and Palestine *Sahar Mor Bostock, Columbia University*

Prison Science and the Refusal of Abstraction: Egypt, 1890-1930 *Alaa El-Shafei, 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

155. Peripheries of Power: The Political Economy of Technological Transfer in Late Cold War Europe

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: Floor
Level 2 - Lennox 3

Participants:

Please Refrain from Modifying Your Ataris": Region Locking and Vernacular Engineering in Türkiye *Ivo Ozan Furman, Istanbul Bilgi University*

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

156. Contested Anatomy

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

157. Histories of Biogeography Part 1

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Menteith

Participants:

Emily Kern *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

158. Histories of Chemistry

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

159. Beyond 'Botany': Plant Knowledges across South Asia

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Approximation, Proximity, and Production: Plant Knowledge and Peasant Talk *Utathya Chattopadhyaya, University of California Santa Barbara*

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

160. Minds over Matter 1

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 1

Participants:

“Phrenology is their Biography”: Users, Mortality, and the Contestation of Memory *Carla Bittel, Loyola Marymount University*

‘Minding the Gap’: Sophie Germain on Mathematics, Philosophy of Mind, and Gender Equality *Melanie Frappier, University of King's College*

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*

161. Science Publishing Across Time

Contributed Paper Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 2

Participants:

A Rhetorical Distribution of Errors in the Philosophical Transactions 1780-1820 *Robert Fyke, Centre Koyré, Cermes3*

Early Science Periodicals in Brazil: Transnational Science Communication and Local Agency, 1808-40 *David Francisco de Moura Penteado, University of São Paulo*

From Performing Objectivity to Situated Significance: The Rise of “Why It Matters” in Scientific Abstracts *Siman Cai, The Chinese University of Hong Kong; Mingze Bai, The University of Hong Kong*

The Creation of the SciELO Project: A Milestone in Latin American Scientific Publishing *Roberta Cardoso Cerqueira, Casa de Oswaldo Cruz/ Fundação Oswaldo Cruz*

162. Reconsidering Spontaneous Generation

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

163. The Impact of the Digital Revolution on the History of Science and its Social Implications-1

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

164. Early Modern Intersections of Knowledge

Organized Session
Tuesday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

165. Museums and the Global History of Science

Contributed Paper Session
Tuesday 9:15 to 10:45 am
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*

166. GECC Diversity Roundtable: Race in the Academy

Roundtable

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 3 - Sidlaw Auditorium

Session Organizers:

Ngamlialal Kipgen

E. A. Hunter, University of Chicago

Chair:

Claire Ann Votava, University of California, Los Angeles

Participants:

Mary Kate Wolken, University of Minnesota

Katherine White, University of California, San Diego

167. The Double Life of Sex: Queer and Feminist Interventions into the History of Biology

Organized Session

Tuesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

168. Animal Networks. Zoos in the Peripheries 2

Organized Session

Tuesday 11:00 to 12:30 pm

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

169. Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.50

Participants:

Internal Economies, Policing, and Food Scarcity under Slavery in eighteenth-Century Jamaica, 1776-1789 *Rachel Tils, University of Chicago*

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 *Patricia 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

170. Early Modern Medicine 2

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.52

Participants:

Medicine, Gender, and the Body in Mughal Sindh: Reading Mir Muhammad Ma'sum Ali Daud Ul Rehman, *University of Cambridge, UK*

From Humours to Mites: A Comparison of European and Ottoman Perspectives on Scabies *Kadir Çelik, Ege University*

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*

171. Shifting Perspectives in Historiography of Science under the Fascist Rule 2

Organized Session

Tuesday 11:00 to 12:30 pm

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:

Luigi Ingaliso, University of Catania

Commentator:

Daniele Cozzoli

172. Beyond Universalisms and Flat Pluralisms: East Asia as Method for the Global History of Science

Organized Session

Tuesday 11:00 to 12:30 pm

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, Pusan National 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

173. What is the History of Science? Part 2

Organized Session

Tuesday 11:00 to 12:30 pm

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

174. Scientific Authority and Sacred Domains in the 19th-Century Mediterranean

Organized Session

Tuesday 11:00 to 12:30 pm

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:

Shaivya Mishra, Czech Academy of Sciences

175. Legitimizing Agricultural Risk: Science, Bodies and Knowledge Across Global Farming

Organized Session

Tuesday 11:00 to 12:30 pm

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

176. Histories and Historiographies of the Human Sciences in the Americas during the Long 1970s

Roundtable

Roundtable

Tuesday 11:00 to 12:30 pm

National Museum of Scotland: Auditorium

Session Organizer:

Robert Hancock, University of Victoria

Chair:

Robert Hancock, University of Victoria

Participants:

Taylor Elizabeth Dysart, University of Pennsylvania

Nayanika Ghosh, Harvard University

Sebastián Gil-Riaño, University of Pennsylvania

Robert Hancock, University of Victoria

Adrianna Link, American Philosophical Society

Joanna Radin, Yale

177. Contested Theories of Body and Mind

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Unstable Bodies and Uncertain Fluids: Breastmilk Between Medicine and Jewish Law in Early Modern Europe *Jordan R Katz, University of Massachusetts Amherst*

Local Actors and Global Sciences: Contextualizing the Making of Modern Mind Sciences in Late-Colonial India *Pradipto Roy*

178. Popularisation and the 19th Century History of British Science

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

179. New Histories of Nuclear Science

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Science, Risk, and Negotiation: Chile and France's Nuclear Tests in the South Pacific during the 1960s *Herminson Ariel Saavedra Currivil, Universidad de los Andes, Chile*

180. Science Diplomacy: Cooperation, Competition and Crisis 2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 3 - Fintry Auditorium

Participants:

Southern Skies, Global Rivalries: Chile, the IGY, and Science Diplomacy in the Cold War *Barbara Kirsi Silva, Universidad Católica 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

181. Epidemiology Unbound 2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 1

Participants:

Global agendas, local practices: transit of knowledge and epidemiological training in Brazil (1980s - 2000s) *Luiz Alves Araújo Neto, Fiocruz Brazil*

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

182. Artificial Intelligences

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 2

Participants:

The Play's the Thing: Games and the Dream of Machine Intelligence in Britain, 1945-1956 *Ben Francis, New York University*

Reconstructing Intelligence: How Wetware Experiments Reopen the Question of Computation *Ruoning Zhang*

Coding Faces, Measuring Emotions: How Paul Ekman's Research on Facial Expression Was Shaped by Symbolic Artificial Intelligence (1966-1978) *Wenhao Chen, Peking University*

The Active Way of Seeing: Sensorimotor Integration in Robotics and Computer Vision in the 1980s *Sokion Choi, Seoul National University*

183. Recovering the Histories of Women in Quantum Physics 2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

Michelle Franck

184. History of Quantum Optics 2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Nonlinear optical sources of entangled photons *Florent Baboux, Université Paris Cité, France*

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

**185. Contested Success and Celebrated Failure:
The Practice of Mathematical Instruments in Varied
Settings II**

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

**186. The Politics, Epistemology and Ethics of
Medical Evidence, ca. 1960–ca. 2000**

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

**187. Ex Oriente & In Orientem Scientia: Entangled
Knowledge through the Early Modern Indian,
Atlantic and Pacific Oceans**

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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 Haço
(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

**188. Wires Across Borders: Transnational
Perspectives on Electrical Histories**

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

The Transnational Flows that Made Necaxa

Diana J. Montaña, Washington University in St. Louis

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

Chairs:

Diana J. Montaña, Washington University in St. Louis

Anto Mohsin, Northwestern University in Qatar

Commentator:

Darina Martykanova, Autonomous University of Madrid

189. "Facing" the Past: Race, Craniometry, and the Afterlives of Human Skulls

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Craniometry's Afterlives: Race, Data, and Repatriation in Historical Perspective *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

190. Histories of Biogeography Part 2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Menteith

Participants:

"Bringing Our Ancestors Home: Reclaiming Indigenous Bodies from the Legacies of Settler-Colonial Biogeography" *Kirsten Greer, Departments of Geography and History, Nipissing University*

"Centres of Dispersal & Mobile Biogeographies in the First Half of the Twentieth Century" *Chris Manias, King's College London*

"The roles of Biological Systematics and Plate Tectonics in 20th century Historical Biogeography" *Malte Ebach, UNSW, Australian Museum*

"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

191. Better Living through Chemistry

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

192. Plant Transfers Beyond Botany: Histories of Human-mediated Long-distance Dispersals to and from Latin America

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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:

Hélène Blais, École Normale Supérieure PSL-IHMC (Institut d'histoire moderne et contemporaine)

193. Minds over Matter 2

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor

Level 1 - Ochil Suite 1

Participants:

"Debating a Science of the Psyche: The Postwar Encounter between Psychoanalysis and the Philosophy of Science" *Robert S Westman, University of California, San Diego*

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*

194. The Language of Science

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

195. Through Archival and Material Sources: New Perspectives in the History of Physics (19th–20th Centuries)

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

196. The Impact of the Digital Revolution on the History of Science and its Social Implications-2

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

197. Contested Fishscapes: Fisheries, Science, and Development in the Twentieth Century

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Fishing across the Curtain: Soviet Fisheries

Science as International Development

Elizabeth Banks, University of Edinburgh

Chair:

David Wilson, University of Strathclyde

198. Museums of "Modern" Science

Contributed Paper Session

Tuesday 11:00 to 12:30 pm

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

199. On the Fringe? Constructing and Contesting Boundaries of "Science" in Modern China

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Hybrid Ontologies of the Body: The Making of "Tizhi" as a Cross-Cultural Scientific Object in Republican China, 1900–1949 *Qinlin Wang*

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

200. Beyond Binaries in LGBTQI+ Histories of Sexology: Bi, Trans, Intersex

Organized Session

Tuesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

201. GECC Listening Session

Roundtable

Tuesday 1:00 to 2:00 pm

Edinburgh International Conference Centre: Floor Level 3 - Sidlaw Auditorium

Session Organizer:

Claire Ann Votava, University of California, Los Angeles

Participant:

Mary Kate Wolken, University of Minnesota

202. Animal Networks. Zoos in the Peripheries 3

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 1.40

Participants:

A Catalogue of Zoo Enclosures in Australia within the Context of Animal Welfare *Kathy Chapman, The University of Western Australia*

An Okapi from Epulu for the Lisbon Zoo *Catarina Santos*

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

203. Food, Scarcity and Knowledge in Colonial and Atlantic Worlds (1500-1800). Panel N. 3

Organized Session

Tuesday 2:30 to 4:00 pm

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

204. Evolutionary Histories 1

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

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: Presentation & Evolution (1901-1949) *雪杨, 19504211323; CHAO LIU*

Plural Epistemologies, Shifting Meanings: Recasting 'Tekâmül' as Evolution *Selin Kara, Aksaray University*

205. Plastic Amnesias: Forgotten Histories of Plastics and Health - I

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 1.55

Participants:

Safe but Toxic: Hiding the Risks from Gas Sterilisation of Medical Plastics *Eloise Richard*

University of Geneva; 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

206. Space, Science, and Imagined Futures

Organized Session

Tuesday 2:30 to 4:00 pm

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

207. Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (1 of 2)

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 2.20

Participants:

The Deep Pacific, Viewed through the Prism of Nationalism, Regionalism, and Internationalism *Sonya Schoenberger, Stanford*

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

208. Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices I

Organized Session

Tuesday 2:30 to 4:00 pm

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

209. From Text to Treatment: Practical Cultures of Learned Medicine, 1000–1650 c.

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 3.35

Participants:

Clinical Practice in Arabic Medical

Encyclopaedias: A New Evaluation of al-Ṭabarī's Hippocratic Treatments *Anna Gili, University of Padua, University of Wurzburg*

Much Ado about Medicina Theorica? Between Theoria and Praxis in Early

Seventeenth-Century Tuscany *David Miguel Soares Mesquita, University of Lisbon*

Reconstructing Medical Practice through

Students' Notes: Experimentation and Failure in the Early Use of Precision Instruments *Fabrizio Bigotti, U. Wurzburg, U. Cambridge, CSMBR*

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

210. History of Science as Agent of Change?

Handling Colonial Natural History Objects

Roundtable

Tuesday 2:30 to 4:00 pm

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

211. Gendered Innovations and Limitations

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Deviating from the Path: Sex and 'Human Nature' in Lebanese Forensic Science

1920-1965 *Hannah Louise Cowdell, University of Exeter*

212. Governing Medicine in the 20thC

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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, United Kingdom*

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*

213. Reimagining Alchemy

Contributed Paper

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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, University of Barcelona, CSMBR Pisa*

Animal Alchemy: Recipes for Life and Death in

the Seventeenth-Century English Household
Madeleine Sheahan, Yale University

214. Burying the Torch: Illuminating Diverse Actors in the Making of Premodern Knowledge

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor -1 - Conference Organisers Room

Participants:

Beyond Obsolescence: The Persistent Plurality of Babylonian Astral Science *Alessia Piloni, 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

215. Exchanged, Marginalized, Lost: Imperial Itineraries of Scientific Objects

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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 Rodriguez 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

216. Science Diplomacy: Cooperation, Competition and Crisis 3

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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.*

Testing Talents, Optimising Human Resources; USAID's Worldwide Aptitude Testing and the Making of Science Diplomacy amid the Human Capital Crisis in the 1960s *Youjung Shin, Jeonbuk National University, South Korea*

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

217. Epidemiology Unbound 3

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

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

218. Global Perspectives on Science, Technology and Politics

Contributed Paper Session

Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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

Marking Glaciers, Marking Graves: Geophysical Practice on Mexico's Volcanoes during the IGY (1957–58)
Gloria Maritza Gómez Revuelta, Universidad de Guadalajara

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

219. Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 01

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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

220. Mathematics in Manuscripts 1

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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 Farinello, University of Hamburg

Leibniz on impossibility and transcendence: What is a result?
Arilès 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

221. Touching Machines, Remaking Realities: Embodied Encounters between Humans and Technology in Modern China

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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, Department of Asian Studies

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

222. How Sciences End 1

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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

223. Raising Exceptional Children: Psychology, Education, and Motherhood

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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)*
Little Fingers, Big Talent: The Corma Siblings and Early 20th-Century Talent Conceptions. *Marta Ramírez Morillo, Milà i Fontanals Institution, Spanish National Research Council*

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

224. Laboratories of Concealment: New Perspectives on Postwar Science, Secrecy and the State

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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*

From Isolation to Innovation: Vaccine Development and Scientific Sovereignty in Cold War China *Lu Chen*

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

225. Literary Technologies and the Science of Literature

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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 Nemeec, 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

226. Scales of the Earth: Space, Science and the Specters of Planetary History 01

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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

227. Intersections between History and Philosophy of Physics

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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 Brillhante 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*

228. Plural Plant and Fungal Worlds

Organized Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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, William O. Douglas Honors College, CWU*

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:

Tamara Caulkins, Central Washington University

229. Resource Management, Defined and Redefined

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

230. Alternative Sites of Knowledge Production

Contributed Paper Session

Tuesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Science in the 'Cracks': A Study of 'Extititutional', 'Independent' or 'Autonomous' Science Collectives in Barcelona *Gamze Karaca, Middle East Technical University*

The Interconnectedness of Social Ecology: Historicising Plural Sites of Knowledge Production *Lisa Cronjäger, International Research Center for Cultural Studies, Vienna*

231. The Impact of the Digital Revolution on the History of Science and its Social Implications-3

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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*

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

232. Shifting Perspectives on Gendered Knowledge: Medical and Psychological Practices in Transition

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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*

Navigating and Contesting Psycho-Medical Authority: Trans-Knowledge Production in Response to West Germany’s Transsexuals Act 1980-1990 *Janu Milella, Institute for the History of Medicine and Science Studies, University of Lübeck*

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

233. Colonialism, Collecting, and Ethnology

Contributed Paper Session
Tuesday 2:30 to 4:00 pm
National Museum of Scotland: Seminar Room

Participants:

A Westo Tobacco-Pipe and Petticoat: Collecting Indigenous Artifacts in Eighteenth-Century Charles Town *Michele Pflug, University of Oregon*

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*

234. Science, Knowledge, and Technology in Modern China: Vernacularization and Global Diffusion

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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*

The Transmission of Modern Eurasian Materia Medica Knowledge: A Focus on the Xiyao Dacheng *Ming CHEN, The School of Foreign Languages, Peking University*

What is “science”? The differing interpretations of “Making Chinese Medicine Scientific” in Republican China(1911-1949) *Xudong Liu, Fudan University*

Acupuncture Practices in 19th-Century French Hospitals *Shujian Zhang, Acupuncture Institute, CACMS*

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

Chair:
Claire Cage, University of South Alabama

235. From Contested “Foreign Science” in China to a Social History of Chinese Scientists in the World

Organized Session
Tuesday 2:30 to 4:00 pm
Edinburgh International Conference Centre: Floor Level 0 - Tinto Suite

Participants:

Dual Pathways: The Making of China’s Scientific and Technological Elite in the Twentieth Century *You ZUO, Centre National de la Recherche Scientifique*

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

236. (Mis)Understanding Animals? Biology, Epistemic Uncertainty, and Non-Human Animal Management in the Late Nineteenth and Twentieth Centuries

Organized Session
Tuesday 4:15 to 5:45 pm
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

237. Scientific Travel in Colonial Contexts: Logistics, Politics and Practices

Organized Session
Tuesday 4:15 to 5:45 pm
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

238. Evolutionary Histories 2

Contributed Paper Session
Tuesday 4:15 to 5:45 pm
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*

239. Plastic Amnesias: Forgotten Histories of Plastics and Health - II

Organized Session

Tuesday 4:15 to 5:45 pm
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

240. Film and the Mind Sciences at the Margins: Research, Diagnosis, Popularisation

Organized Session

Tuesday 4:15 to 5:45 pm

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

241. Governing the Seas: Ocean Science, International Law, and the Contested Politics of the Post-War Ocean (2 of 2)

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh Futures Institute: 2.20

Participants:

Frozen Laws on a Burning Planet: What Corals Can Teach Us About Time and Scale *Irus Braverman, SUNY*

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 Rachtitz, 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

242. Shifting Perspectives: Hands on Instruments Approaches (with Gloves) to Writing a History of Scientific Practices II

Organized Session

Tuesday 4:15 to 5:45 pm

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, Department of Physics “Aldo Pontremoli”, 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

243. Other Voices in Early Modern Science

Organized Session

Tuesday 4:15 to 5:45 pm

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*

Abrabah: Enslaved Garden Girls as Captive Scientists in a Silent Archive *Carolyn Roberts, Yale 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

244. Collections, Archives, Libraries, and Museums: How, Why, and So What?

Roundtable

Tuesday 4:15 to 5:45 pm

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

245. Forensic Science in Transtemporal Perspective

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

246. Bodies, Signs, and Healing Arts across Medieval Medical Traditions

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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, 4. 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 Craffe': Atmospheric Conditioning and Design in Late Medieval Medicine *Thomas James Banbury, University of Cambridge*

247. Old Collections, New Stories: Doing Natural History Humanities in Cambridge and Beyond

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

248. Engineering Frontiers: Water, Expertise, and the Social Costs of Hydraulic Modernization

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

French Dams: power, power, knowledge, science and knowledge *Anne Dalmasso, Université Grenoble Alpes, LARHRA*

Session Organizers:

Judit Gil-Farrero, Università degli studi di Bergamo (UniBg)

Sebastian De Pretto, University of Berne

Chair:

Francesco D'Amato, Autonomous University of Madrid

249. How to Visualize the Previously Unknown – A Multidisciplinary Approach

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

250. Science Diplomacy: Cooperation, Competition and Crisis 4

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Science Diplomacy as a Site of on-going Contestation: Negotiating Greenland's Critical Raw Materials and Developing Digital Infrastructure *Lise Andersen, Institute of Security and Global Affairs at Leiden University*

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

251. Visual Tools in Global Histories of Medicine

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

252. Contested Sciences

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

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*

253. Gendering Science, Technology and Medicine in China and Beyond: Power, Transformation, and a Plural World 02

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Embroidery in the Visual Modernity of Late Qing and Republican China: The Case of Hua Qi 华琦 (1869-1940)’s Embroidery Practices *瑜阳 钱*

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

254. Mathematics in Manuscripts 2

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

255. Wells, Labs, and Corridors: Situated Infrastructures and the Production of Scientific Knowledge

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

256. How Sciences End 2

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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 (Centre d'études en sciences sociales du religieux, EHESS/CNRS), 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

257. Reappraising Three Iconic Images in the History of Science

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

258. The Environmental Lives of Things: Science and Technology, Environmental History, and Material Culture

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

World Record Speed for Petroculture: A 50 cc Motorcycle and the Environmental Challenge for Museums of Science and Technology *Eike-Christian Heine, University of Stavanger*

“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:

Benjamin Gross,

259. Psychological Sciences in East and Southeast Asia, 19th to Mid-20th Centuries

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

260. Scales of the Earth: Space, Science and the Specters of Planetary History 02

Organized Session

Tuesday 4:15 to 5:45 pm
Edinburgh International Conference Centre: 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

261. Developments in the History of Particle Physics

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 2 - Moffat

Participants:

Founding Fermilab: Satire, Speculative Simulation and Spontaneous Symmetry in Leon Lederman's Liminal Laboratory *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*

262. Managing Complexity: Investigating Plants, Forests, and Oceans in Late Nineteenth-Century Germany

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 0 - Moorfoot Suite

Participants:

More Light! Biologizing Plant Growth,

1860s-1890s *Kärin Nickelsen, History of Science, 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

263. Producing Landscape

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 1 - Ochil Suite 1

Participants:

A Tool of Production and Control: Plantation Healthcare, Contested Science, and the Making of an 'Orderly Landscape' in Colonial Munnar *Amil Varghese*

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*

Zoological Unconformities: Framing Charles Darwin's Earth-Makers within the British and German Admiralty's Global-Aspirations *Ali Mirza, Amherst College*

264. Revelations in Natural History

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 1 - Ochil Suite 2

Participants:

Leibniz in the Mines: Vertical Imagination and Stratification in the Seventeenth Century *Lilian Kroth*

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*

Destinations and Uses of the Fossil Collections of the Chair of Geology and Mineralogy at the Natural History Museum in Paris after the Establishment of the Chair of Palaeontology (1853-1898)? *adèle chevalier, CNRS - Centre*

Alexandre Koyré

265. The Impact of the Digital Revolution on the History of Science and its Social Implications-4

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

266. Representing the Sky from the Earth and Vice Versa: Gnomonic, Archaeoastronomy, Cartography and Geometry

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

267. Collecting Amazonian Knowledges

Contributed Paper Session

Tuesday 4:15 to 5:45 pm

National Museum of Scotland: Seminar Room

Participants:

Centering 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*

Brazilian Naturalia: Actors, Spaces, and Practices of Natural History in the Global Networks of Scientific Collecting in the First Half of the 18th-Century *Julianna Morcelli Oliveros*

Amazonian Cosmologies, Plant-Human Relations and the Colonial Entanglements of Indigenous Artifacts *Raphael Uchôa, Museu de Astronomia e Ciências Afins (Brasil)*

268. China Observed: Science and the British Encounter with China in the Nineteenth and Twentieth Centuries

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

269. Disability Sciencing: Measuring and Classification at Sites of Knowledge-Making

Organized Session

Tuesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Making Tacit Medical Knowledge Measurable: How the Apgar Score Smuggled in Sensory Expertise through the Rise of Medical Statistics *Rebecca L. Jackson, Durham University*

“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 Virdi, University of Victoria

Chair:

Hilary Buxton, Kenyon College

270. HSS Prize Ceremony & Sarton Medalist

Address

ESHS/HSS Annual Meeting

Plenary Session

Tuesday 6:00 to 7:15 pm

Edinburgh International Conference Centre: Floor Level 3 - Fintry Auditorium

WEDNESDAY, JULY, 15

271. Science and Empire in the Anthropocene: Towards an Environmental Shift 1- Imperial roots of Plantationocene and Anthropocene

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.40

Participants:

The Amazon as an Anthropocene Hotspot: transnational frictions and encounters in tropical ecology during the Cold War *André Felipe Candido da SILVA, Casa de Oswaldo Cruz/FIOCRUZ (Brazil); André Bailão, Casa de Oswaldo Cruz/FIOCRUZ (Brazil)*

Plantations reconfigured: from empire's monocrop to contemporary pop-up polytunnels *Cristiana Bastos, Universidade de Lisboa*

On compatibility with Amazonian perspectivism as an epistemological criterion - the case of Anne Conway and ecofeminism *Anastasia Guidi, ABC Federal University (Brazil)*

Session Organizers:

Sabina Ferreira Alexandre Luz

Matheus Alves Duarte da Silva, King's College London

Chair:

Daniel Gamito-Marques, NOVA School of Science and Technology, Lisbon, Portugal

272. The Science and Medicine of Habits I: Habits, the Body and Space

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.50

Participants:

Delicious Victuals: Rats & Race in Hans Sloane's Theory of Digestion *Jacob Myers, Franklin & Marshall College*

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, Universitat Pompeu Fabra*

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

273. Histories of Archaeology 1

Contributed Paper Session

Wednesday 9:15 to 10:45 am

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*

274. DH in the History of Premodern Sciences 1

Organized Session

Wednesday 9:15 to 10:45 am

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 *Fateme Savadi*

Using Dabīrān in Analyzing Medieval Astronomical Tables: The Case of Zīj-i Īlkhānī *Sajjad Nikfahm-Khubravan*

Chair:

Sonja Brentjes, University Wuppertal

275. Imperial Instruments: Tools for Astronomy and Mathematics in China from Song to Qing

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.60

Participants:

The Objective of Armillary Sphere Construction in the Northern Song Dynasty *Baichun Zhang,*

Chinese Academy of Science Institute for the History of Natural Science

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

276. Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes

Organized Session

Wednesday 9:15 to 10:45 am

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 Skłodowska'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

277. New Perspectives on Collaboration in Science 1

Organized Session

Wednesday 9:15 to 10:45 am

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 Dalía, Centre Alexandre Koyré

Chair:

Stefano Furlan, Utrecht University

278. Pluralizing the Heritage: Ancient Authors Between Transmission, Contestation, and Reinvention

Organized Session

Wednesday 9:15 to 10:45 am

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

279. Collection Stories and Indo-Pacific worlds 1

Organized Session

Wednesday 9:15 to 10:45 am

National Museum of Scotland: Auditorium

Participants:

Shifting Empires, Changing Landscapes, and a “Dragnet” 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*

Feral territories: The suburbanisation of nature in late 20th century Bangkok *Samson Lim, Monash University*

Session Organizer:

Anthony D. Medrano, Brown University

Chair:

Janet Browne, Harvard

280. Shifting Perspectives on Histories of Gravity and Mass 1

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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); Antonio Augusto Videira, Universidade do Estado do Rio de Janeiro; 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)

281. Health During and After the British Empire

Contributed Paper Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

282. Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 1

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Two Nine-Nines Rhymes Excavated at Gurendi and Well No. 6 at Tuzishan: Collations and Related Issues *Xulin ZHOU, Institute for Excavated Manuscripts of the School of Chinese Language and Literature at Southwest Minzu University, Chengdu, Sichuan Province, China*

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*

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

283. Experimentation and Discovery

Contributed Paper Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor -1 -
Conference Organisers Room

Participants:

Models by Necessity: Dogs and Animal Experiments
in Seventeenth Century Science *Guy Erez, New
York University*

**The Tradition of Experimentation and
Applications of the Camera Obscura in the
Ottoman Era** *Sena Aydın, Istanbul Medeniyet
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*

284. Rewiring Humans 1: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

285. Histories of Habitability

Roundtable

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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 Parnen, Open University

286. Local Practises, Contested Knowledge: Making Animal Sciences in Rural Europe (17th-19th Centuries)

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

**Governing Woods, Shaping Practices: Animals
and People in Early Modern Piedmont
(17th-18th Centuries)** *Matteo Stroppiana,
University of Pavia*

**Caring for Animals: Farmers, Farriers and
Veterinarians in the Making of Scientific
Animal Husbandry in Bologna (18th-19th
Centuries)** *Miriam Borgia, Università di Bologna*

**Development of Animal Breeding Techniques in
Duchy of Carniola** *Tadej Pavković, University of
Ljubljana*

Session Organizer:

Miriam Borgia, Università di Bologna

Chair:

Jens Amborg, University of Uppsala

287. Science and Spiritualism: Current Perspectives and Future Directions

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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 Merkling,
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

288. Chinese Visual Epistemic Technologies 1 (In honor of Francesca Bray)

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

289. Nuclear History as Global History: Current Debates and New Perspectives 1

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 2 - Lammermuir 1

Participants:

The UMHK on Broadway: Writing the Uranium Business into the Global Nuclear Histories *Jayita Sarkar*

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

290. Constructing the Monstrous Body in Early Modern Europe 1

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Reason and wonder on the operating table: The Gran Fontione as a solomn performance of cosmic and bodily revelation *Asia Alessio*

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

291. Minescapes 1: What is a "Minescape"?

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

292. Diagrammatic Computations and Their Symbolic Aspects (I)

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

A Study on the Correlation Between the Symbolic System and Innovative Achievements of Japanese Mathematics *Rina Sa*

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

293. Crafts of Microbes: Women and Gender from Antibiotics to Genetic Engineering and the Microbiome

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 2 - Lennox 3

Participants:

Dispatches from the Other: Proto-Immunology, Microbiome Science, and the Epistolary Life of Biology *Andrea Núñez Casal, CSIC, Soain*

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*

Mexico

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, Ahmedaband University*

Session Organizer:

Maria J Santesmases, CSIC, Spain

Chair:

Angela Creager, Princeton University

294. HPS Across Borders

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

295. Andean Sciences Untranslated

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Menteith

Participants:

The Materiality of Andean Knowledge: Fiber, Practice, and an Archaeology of Khipus *Mack FitzPatrick, Harvard University*

Geographical knowledge and the more-than-human lived landscapes of Huarochiri, 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

Chair:

Christopher Heaney, Pennsylvania State University

296. Biology's 20th Century Evolution: From Genetics to AI

Contributed Paper Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 2 - Moffat

Participants:

Mice, Marx, and the Machine: 'Communist' Donald Michie's Journey to Artificial Intelligence via Genetics *Aswin Valsala Narayanan*

From Embryo to Code: Visual Regimes and the Fate of Development in Evolutionary Biology *Erica Torrens, Universidad Nacional Autonoma de Mexico*

NeuroZoology: Theodore Holmes Bullock, Comparative Physiology, and the Making of Neuroscience (1950s-1970s). *fabio De Sio, Heinrich Heine University Dusseldorf*

The International HapMap Project and the Birth of the Genome-Wide Association Era *Matthew Tontonoz, Arizona State University*

297. The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 1

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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, University of Bologna*

Drawing earthquakes: Mario Baratta and Torquato Taramelli. The birth of Italian seismic cartography through maps, archives, and public policy *Ciro Elio Junior Saltarelli, University of Urbino, Italy*

Session Organizer:

Valentina Roberti, University of Catania

Chair:

Luigi Ingaliso, University of Catania

298. New Perspectives on Science in the Enlightenment

Contributed Paper Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

299. Utopian and Dystopian Sciences

Contributed Paper Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

300. Radiation in Medical and Scientific Contexts in the 20th Century

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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, University of Oslo

301. Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 1

Organized Session

Wednesday 9:15 to 10:45 am

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

302. Expert Multiplicity and Scientific Authority in the Anthropocene

Roundtable

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

303. Manipulating Biota, Engineering Healthscapes: Colonial Science & Medicine 1750-2000

Organized Session

Wednesday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

304. Science and Empire in the Anthropocene: Towards an Environmental Shift 2 - Making Imperial Worlds

Organized Session

Wednesday 11:00 to 12:30 pm

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 Madrugá, Technische Universität Berlin*

Empires of time and weather in Brazil: keeping time, predicting weather, and being contested

by the public *Sabina Ferreira Alexandre Luz*

Session Organizers:

Matheus Alves Duarte da Silva, King's College
London

Sabina Ferreira Alexandre Luz

Chair:

Anderson Antunes, University of Évora

305. The Science and Medicine of Habits II: Habits, The Body and Health

Organized Session

Wednesday 11:00 to 12:30 pm

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

306. Histories of Archaeology 2

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

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 *Annapaola Passerini*, Norwegian University of Science and Technology

307. DH in the History of Premodern Sciences 2

Organized Session

Wednesday 11:00 to 12:30 pm

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

By creating digital humanities tools for researchers in history of science, the EIDA project *Edgar Lejeune*

Twenty Years of Recovering Ancient Texts Long Considered Lost *Damianos Kasotakis*, EMEL; *Michael Phelps*, EMEL

Session Organizer:

Sonja Brentjes, University Wuppertal

Chair:

Fateme Savadi

308. Book Reviewing and (Inter)disciplinarity in Postwar Science

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.60

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*, CLHDPP, Université Jean Moulin Lyon 3

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

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

Session Organizers:

Sjang ten Hagen, Utrecht University
Cora Stuhmann

Chair:

Projit Bihari Mukharji, Ashoka University

309. Mediating Knowledge: Self(re)presentation of a European Scholar Across Political Regimes 2

Organized Session

Wednesday 11:00 to 12:30 pm

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

310. New Perspectives on Collaboration in Science 2

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh Futures Institute: 2.35

Participants:

Epistemic Constraints and Observatory Sciences. Forms of Collaboration within Real and Ideal Observatories (17th-18th Centuries) *Deias Dalia, Centre Alexandre Koyré*

New Perspectives on the History of the CERN Laboratory: The 1980s *Barbara Hof, Lausanne International Cooperation at the Time of the Human Genome Project (1987–1992)* *Raphaël Lavie, Sorbonne Université*

Interoperability as Federation of Collaborations in Contemporary Cosmology *marco forgione, university of milan*

Session Organizers:

Deias Dalia, Centre Alexandre Koyré
Luca Guzzardi, University of Milan

Chair:

Luís Carolino, ISCTE-Instituto Universitário de Lisboa, CIES

311. Plural Worlds of Care: Transnational Exchanges and Contested Professional Boundaries in Nursing and Rehabilitation

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh Futures Institute: 3.35

Participants:

The Development of Western Nursing Profession in Colonial Hong Kong *Yuen Han LAW*

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*

A Historical Study of the Gender Structure Changes of Nurses in Modern China *Zijing Wu*
Nursing training practice in modern China under domestic and foreign influences: A localization case in Shanghai, 1884-1936 *Huini Qiao*

Session Organizer:

Xiaoxue Zhao, Peking University

Chair:

Cheng Zhen, Peking University

312. Collection Stories and Indo-Pacific worlds 2

Organized Session

11:00 to 12:30 pm

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, University of Glasgow*

Botany and Decolonial Methods in the Arts *Syarifah Nadhirah, SOAS, University of London*

Grass collecting and knowledge building: Archiving “lesser” plants in Philippine university herbaria *Ruel V. Pagunsan, University of the Philippines-Diliman*

Session Organizer:

Anthony D. Medrano, Brown University

Chair:

Fiona Williamson, College of Integrative Studies, Singapore Management University

313. Shifting Perspectives on Histories of Gravity and Mass 2

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

314. Disability's Conscriptioin in British History

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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 Conscriptioin 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*

315. Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 2

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 3

Participants:

Édouard Chavannes: The Mystery of the Dunhuang Multiplication Table *Joseph W Dauben, City University of New York*

Early Chinese Mathematical Achievements Reflected in the Unearthed Arithmetical Books of the Qin and Han Dynasties *Jingnan TAN, Department of History, Jiangnan University, Wuhan, PRC*

Reconsidering the Qilūshu (其率術) Problems in Early Chinese Classical Mathematics:

Focusing on Recently Unearthed Qin and Han Bamboo Manuscripts (秦漢簡牘算書) *Qingzhao XIA, Institute of Mathematics, Chinese Academy of Sciences, Beijing, PRC*

Session Organizers:

Joseph W Dauben, City University of New York

Dahai ZOU, Institute for History of Natural Sciences, Chinese Academy of Sciences

Chair:

Dahai ZOU, Institute for History of Natural Sciences, Chinese Academy of Sciences

316. New Insights in Modern Science

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor -1 - Conference Organisers Room

Participants:

Radiant Anxieties: Debates and Affects around X-rays from the Ottoman Empire to Republican Turkey *Merik Tanik, University of Warwick*

Radiation Fascination: The Case of Sortelha's Hotel Serra da Pena / A Case Study on How Scientific Innovations Simultaneously Transform and Pose Risks on Society *A.S. Almeida, University of Coimbra*

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*

317. Rewiring Humans 2: Biology, Psychotherapy, and Philosophy in the Age of Digital Computers

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

318. History of Science After Gaza: From Complicity to Accountability?

Roundtable

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

Joelle Abi-Rached, American University of Beirut

Layth Hanbali, Université Libre de Bruxelles

Chris Sandal-Wilson, University of Exeter

Sal Suri, Harvard University

Lydia Wilson, University of Cambridge

319. 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

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

320. Shaping Nature 1: Agriculture and Forestry 20th C

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 2

Participants:

Cultivating the Collective: Agricultural Science and Identity in Israel
Ethan Cowan

Do Settlers Dream of Electric Fields? Electricity, Agriculture, and Social Engineering in Mandatory Palestine
Tal Golan, University of California, San Diego

"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

321. Chinese Visual Epistemic Technologies 2 (In honor of Francesca Bray)

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

322. Nuclear History as Global History: Current Debates and New Perspectives 2

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 2 - Lammermuir 1

Participants:

Connecting Movements Across Continents: West-German Support for the Australian Anti-Uranium Struggle *Astrid Mignon Kirckhof, Deutsches Museum*

Contested Atoms: the Ao Phai Nuclear Power Project and Global Nuclear Modernity in Thailand *Kwanchanok Kittivanich, 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

323. Constructing the Monstrous Body in Early Modern Europe 2

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

The Rat King - Monstrous and collective *Teresa Mayr, Bauhaus-University Weimar*

Session Organizers:

Sandra Anna Liwanowska, University of Cambridge

Juliana Beykirch

Chair:

Sandra Anna Liwanowska, University of Cambridge

324. Minescapes 2: Mining for Blue

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

325. Diagrammatic Computations and Their Symbolic Aspects (II)

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

326. Polyvocal Transmissions of Knowledge in Psychiatry and Neurosurgery

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor
Level 2 - Lennox 3

Participants:

Transmitting Psychiatric Knowledge and Skill: Encounters between Students, Patients, and Teachers *Tara H Abraham, University of Guelph*

Paradigmatic Patients: Henderson, Miss M.B. and the Psychopathic States, 1920s Scottish Psychiatry *Hazel Morrison, Independent Scholar*

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

327. Lost in Translation? Science Wars from a Transnational Perspective

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

328. Making Economies: Planning and Economic Knowledge, 1930 - 1980

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

329. Eugenics' Long History

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor
Level 2 - Moffat

Participants:

Slow to Change: Insights into the British Psychological Society's Impact on Marginalised Communities *Jack Duggan, University of Leicester*

Hormonal Contraception in Context: Contrasting Social Reform and Medical Discourse in 1930s Europe *Silvia Basanta, Konrad Lorenz Institute*

Ronald A. Fisher's Contributions to Parapsychology in Relation to his Eugenics *kitt price, Queen Mary University, London UK*

330. The Plural Worlds of Earth Science: Visual, Material, and Institutional Transformations Across Disciplines, Scales, and Territories 2

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

331. Challenging Boundaries in the Enlightenment

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor
Level 1 - Ochil Suite 1

Participants:

**From “Savage Girl” to Madame Le Blanc:
Enlightenment Reinterpretations of Human
Boundaries** *Jiayan liu*

**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*

**Rethinking Hume on Miracles: A Nonviolationist
Perspective** *Andrej Zeman, University of Oxford*

**Stoic Themes in the Natural Philosophy of
Margaret Cavendish, Duchess of Newcastle**
Peter Barker, University of Oklahoma

332. Raw Materials: Mining, Extraction, and Health in the 20th and 21st Century

Contributed Paper Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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, Postdoctoral
Researcher, KTH Royal Institute of Technology*

**White Gold on Green Energy: Environmental
and Medical Histories of Lithium in
Portuguese Soil** *Diana Anselmo*

**Katwe Salt Contains Multitudes: Rumor and
Speculation on Uganda’s Mineral Frontier**
Emily Brownell, University of Edinburgh

333. Challenging Challenger: Legacies of the Scientific Circumnavigation 150 years Later

Roundtable

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

Erika Jones

Rebecca (Becky) Martin, Pitt Rivers Museum,
University of Oxford

Gillen D’Arcy Wood, University of Illinois,
Urbana-Champaign

334. Physiometry: Contesting the Arts of Bodily Measurement from Phrenology to

Dermatoglyphics

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

335. Spirit of 1876: The Special Loan Collection of Scientific Apparatus: International Science Museum Links. 2

Organized Session

Wednesday 11:00 to 12:30 pm

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

336. Approaches to Teaching the Copernican Revolution

Roundtable

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

337. The Long-longue Durée of Iberian Science and Medicine

Organized Session

Wednesday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 0 - Tinto Suite

Participants:

Iberian Globalities Through Šā' id al-Andalus'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

338. Science and Empire in the Anthropocene: Towards an Environmental Shift 3 - (Post)-Imperial Ecologies

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 1.40

Participants:

The Imperial Epistemology of Fraser Darling's 'Ecological Reconnaissance' *Lawrence Dritsas, 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

339. The Science and Medicine of Habits III: Habits, the Body and Disorder

Organized Session

Wednesday 2:30 to 4:00 pm

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, DPhil Student, 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

340. Knowable and Unknowable Nature 1

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 1.52

Participants:

Exotic Animals from the Edges of the World to the Edges of the Human Body *Iman Darwish, Harvard University*

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*

341. Recasting the History of Almanacs 1

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 1.55

Participants:

Almanacs 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

342. Boundaries and Hierarchies of Modern Medical Practice in Republican Beijing (1911 – 1949)

Organized Session

Wednesday 2:30 to 4:00 pm

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? Jingshenxue in the 1930s Beijing Medical Marketplace *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

343. Self(re)presentation of a European Scholar Across Political Regimes 3

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 2.20

Participants:

Between Merit and Morality: Political Transformations and the Self-Presentation of Scholars in Slovenia *Željko Oset, Alma Mater Europea, Maribor, Slovenia*

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

344. GRAPHICS AND TEXT TWENTY YEAR

LATER-1: Patterns, Charts And Maps For The State

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh Futures Institute: 2.35

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

345. Plural Worlds of Science and Shifting Perspectives on Home Economics, 1870-1990

Organized Session

Wednesday 2:30 to 4:00 pm

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:

Serenity S Sutherland, SUNY Oswego

346. Collection Stories and Indo-Pacific worlds 3

Organized Session

Wednesday 2:30 to 4:00 pm

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

347. Shifting Perspectives on Histories of Gravity and Mass 3

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

348. Bodies in Modern Medicine

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

349. Recent Archaeological Excavations: New Light on Ancient Chinese Mathematics 3

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 3

Participants:

Learning Mathematics in the Context of yili

weishi 以吏為師, Officials as Teachers

Wann-Sheng HORNG, National Taiwan Normal University, Taipei

The Significant Value of the Suanshu Unearthed from a Han Tomb at Shuihudi, Yunmeng

Dan CAI, Hubei Provincial Institute of Cultural Relics and Archaeology, Hubei Province, PRC

Lu Jiuci's Mathematical Thoughts: "There is

Nothing in the World That Does Not Need Mathematics" (天下之物, 無不用數) Shirong

GUO, Institute for the History of Science and Technology, Inner Mongolia Normal University, Hohhot, PRC

Session Organizers:

Joseph W Dauben, City University of New York

Dahai ZOU, Institute for History of Natural Sciences, Chinese Academy of Sciences

Chair:

Xulin ZHOU, Institute for Excavated Manuscripts of the School of Chinese Language and Literature at Southwest Minzu University, Chengdu, Sichuan Province, China

350. Rewriting the History of Science

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor -1 - Conference Organisers Room

Participants:

A Typology of Presentist Practices in Academic

History Hakob Barseghyan, Victoria College, University of Toronto

Tadeusz Bilikiewicz's Die Embryologie as a

Largely Neglected Forerunner to Kuhn's "Structure" Artur Koterski, Maria

Curie-Skłodowska University, Lublin, Poland

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.

351. GECC Lightning Talks

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 2 - Cromdale Hall

Session Organizer:

E. A. Hunter, University of Chicago

Chair:

Ngamlial Kipgen

352. Science and the State: A Global Story

Roundtable

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

Aaron Moore, University of Edinburgh

Owain Lawson, Oberlin College

Dan Bouk, Colgate University

353. Bodies, Values, Materiality: New Histories of Health and Illness in Early Modern Latin America

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

Medical Opinion at the Real Audiencia: How

Healers Inspected, Interpreted, and Valued the

Human Body in Eighteenth-Century Chile

Mariana Labarca Pinto, Universidad de Santiago de Chile

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

354. Shaping Nature 2: Insects 20thC

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

355. Chinese Visual Epistemic Technologies 3 (In honor of Francesca Bray)

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 0 - Kilsyth Suite

Participants:

Raining Rigid Ma麻: Hemp Stalks and the Bounds of Botanical Metaphor *Lan A Li, Johns Hopkins University*

Foraging with Images: Visual Representation and the Circulation of Famine Food Knowledge in Early Modern East Asia *Mengxi Zhao, Shanghai Normal University*

Grapes from Afar: Iconography and Cultural Meaning of the Grape Motif on Early- to Mid-Ming Imperial Porcelain *Ruowei Dai, Shanghai Museum*

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

356. Nuclear History as Global History: Current Debates and New Perspectives 3

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Nuclear science as globalizing agent: from radiocarbon to the Nuclear Anthropocene *Nestor Herran, Sorbonne University*

Exploring the normalization of civilization-ending infrastructures in nuclear history via three new objects of study *Benoit Pelopidas*

Chair:

John Krige, Georgia Institute of Technology

357. Astrology, Thought, and Power in the Premodern Mediterranean Region

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

358. Minescapes 3: Religion as Knowledge Matrix between Earth Science and Resource Management

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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, Ruhr University Bochum

Session Organizer:

Sebastian Felten, Universität Wien, Institut für Geschichte

Chair:

Tina Asmussen, Ruhr University Bochum / German Mining Museum Bochum

Commentator:

Adam Bobbette, University of Glasgow

359. Diagrammatic Computations and Their Symbolic Aspects (III)

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

360. 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

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

Commentator:

Anthony Cerulli, University of Wisconsin–Madison

361. Beauty matters. Contested arts, contested sciences in the premodern world

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

362. Sea-Work and Modern Science 1900-1939 1

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Menteith

Participants:

Imperialism Beneath the Mediterranean Waves: Submarine Telegraphy – Friend or Foe? *Ada Ferraresi, ERC-CoG DEEPMED Project Department of History and Geography 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

363. Evolutions in Heredity

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

364. New Perspectives on Climate Change in the Long 1970s

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

365. Debating Science in the Enlightenment

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 1

Participants:

Artisanal Contributions to the Critique of Enlightenment Theories of Perception *Rod Bantjes, St. Francis Xavier University*

Enlightened Science, Unenlightened Art History? Winckelmann and the Theological Discourse of Degeneration *Cole Gruber, University of Chicago*

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*

366. Material and Visual Practices of Knowledge

Contributed Paper Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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-Ebhomemen, Adeleke University*

Data Visualization Tools for Studying the Circulation of Mathematical Illustrations in the

18th Century *Nicolas Joannes, Sorbonne
Université*

367. The Digital Revolution and the History of Science

Roundtable

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Pentland Auditorium

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

368. Schizophrenia, Standardization, and Scientific Practices: Clinical Research in the Twentieth Century

Organized Session

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Platform 5

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, Institute of the History of Medicine and Ethics in Medicine, Charité Berlin*

Chair:

Ketil Slagstad, Institute of the History of Medicine and Ethics in Medicine, Charité Berlin

369. Empires in the Global History of Nutrition Science

Roundtable

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

370. Women's Mentorship: The Gendered Job Market

Roundtable

Wednesday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 0 - Tinto Suite

Session Organizer:

Katherine White, University of California, San Diego

Participants:

Mary Kate Wolken, University of Minnesota

Claire Ann Votava, University of California, Los Angeles

Ellie Louson, Michigan State University

371. Science and Empire in the Anthropocene: Towards an Environmental Shift 4 - Imperial Medicine Contested

Organized Session

Wednesday 4:15 to 5:45 pm

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

372. The History of Distrust in Medical Science

Organized Session

Wednesday 4:15 to 5:45 pm

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 *Gainty Caitjan, King's College London*

Session Organizer:

Thomas Schlich, McGill University

Chair:

Michale Bresalier, Swansea University

373. Knowable and Unknowable Nature 2

Contributed Paper Session

Wednesday 4:15 to 5:45 pm

Edinburgh Futures Institute: 1.52

Participants:

The House of Daedalus: Worldbuilding with Animals and Automata in Late Medieval Theme Parks *Sven Gins, University of Groningen*

The American Central Asiatic Expeditions’ Zoological Expedition in Southern China (1916-1917) *Nan HUANG, Inner Mongolia Normal University*

Beavers and Social Progress: Exploring the Relationship between 19th-Century Natural Science and Ethnography *Sam Vydulinska, Northumbria University*

374. Recasting the History of Almanacs 2

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh Futures Institute: 1.55

Participants:

World History in the Margins of Arabic Ephemerides and Almanacs *Johannes Thomann, University of Zurich*

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

375. Cold War Public Health in East Asia: Gender, Race, and Biopolitics

Organized Session

Wednesday 4:15 to 5:45 pm

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, Tsukuba University*

Chair:

Fumi Iwashima, Kyoto University

376. Woods beyond Timber: Ecology, Material Transformation and Pluralities of Knowledge across Early Modern Asia

Organized Session

Wednesday 4:15 to 5:45 pm

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

**377. GRAPHICS AND TEXT TWENTY YEAR
LATER-2: Diagrams, Figures, Plans And Graffiti In
Translation**

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh Futures Institute: 2.35

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

378. Second Nature: Synthetic Materials and the (Re)making of Biological Knowledge in the Twentieth Century

Organized Session

Wednesday 4:15 to 5:45 pm

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

379. Collection Stories and Indo-Pacific worlds 4

Organized Session

Wednesday 4:15 to 5:45 pm

National Museum of Scotland: Auditorium

Participants:

The Love of Possession: H. Otley Beyer's Ethnographic Records *Jonathan Victor Baldoza, Princeton University*

Pandanus-leaf textiles and their material ontologies in late nineteenth-century Vanuatu *Adèle Miranda Wright, Faculty of History, University of Cambridge, Hamilton Kerr Institute*

Lost Cylinders: Sound Recording, Physical Anthropology, and Ethnozoology in the Malay Peninsula, c. 1900 *Katherine Enright, Faculty of History, University of Cambridge, University Museum of Zoology, Pacific Circle*

Interpreting Borneo in Britain: interrogating the Charles Hose collections *Jennifer R. Morris, British Museum*

Session Organizer:

Anthony D. Medrano, Brown University

Chair:

Neil Safier, Brown University

380. The Image of Astronomy

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 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

381. Entangled Arts: Alchemy, Magic, Cryptography, and Prognostication in Early Modern Europe

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Technologies of Prognostication in Alchemical Medical Manuscripts *Megan Piorko, Villanova*

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

382. Disciplinary Perspectives on the London Bills of Mortality, 1518–1858

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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:

Jason Heppler, George Mason University

383. Uncovering Hidden Histories

Contributed Paper Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor -1 - Conference Organisers Room

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*

Wang Ling and Joseph Needham: Forging the Pioneering Framework for Chinese Science and Civilization Research *Qi An*

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

384. (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

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 2 - Cromdale Hall

Session Organizers:

Elizabeth Yale, University of Iowa

Florin-Stefan Morar, National University of Singapore

Participants:

Susan Jones

Jimena Canales

daniel margocsy, University of Cambridge

Alex Csiszar, Harvard University

385. New Directions at the Intersection of Oral History, Digital Humanities, and the History of Science

Roundtable

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

Wishyut Pitawanik, Max Planck Institute for the History of Science

Hari Sridhar, Independent Researcher, Vienna, Austria

386. Racialising Humans

Contributed Paper Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 1

Participants:

The Speaking Ape: Biogeography, Language and the 19th Century Search for the Cradle of Man *Emily Kern, University of Chicago*

On Testing Children: Measuring Bodies, Minds

and the East “African personality” Pokuaa
Oduro-Bonsrah

**Other Beans for the Europeans: Racializing
Foodway and Nutrition in Early 1900s Dutch
East Indies** *Lezhi Wang, National University of
Singapore*

**From Racial Hypotheses to the History of East
Africa: Insights into European Practises of
Colonial Knowledge Production** *Lena Filzen,
University of Wuppertal*

**387. Shaping Nature 3: Agriculture in the Long
19thC**

Contributed Paper Session
Wednesday 4:15 to 5:45 pm
*Edinburgh International Conference Centre: Floor
Level 1 - Harris Suite 2*

Participants:

**Between Science and Market: The Knowledge
Path of American Ginseng Cultivation
(1895-1921)** *Jiacong Ma, Central China Normal
University*

**‘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

**388. Award Ceremony of the International Academy
for the History of Science 'Koyré medal'**

Organized Session
Wednesday 4:15 to 5:45 pm
*Edinburgh International Conference Centre: Floor
Level 0 - Kilsyth Suite*

Session Organizer:

Sonja Brentjes, University Wuppertal

Chair:

Efthymios Nicolaidis, NHRF

**389. Nuclear History as Global History: Current
Debates and New Perspectives 4: A Roundtable
Roundtable**

Wednesday 4:15 to 5:45 pm
*Edinburgh International Conference Centre: Floor
Level 2 - Lammermuir 1*

Chair:

Alex Wellerstein, Stevens Institute of Technology

Participant:

Paul Josephson, Colby College

**390. Under Planetary-Scale Framework: Technology,
the State, and Global Order in 20th-Century East
Asian Meteorological History**

Organized Session
Wednesday 4:15 to 5:45 pm
*Edinburgh International Conference Centre: 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*

**Paving the Way: Zhu Kezhen's Role in
Advancing the Scientification of China's
Meteorological Undertakings in the Early 20th
Century** *Gaizhen Zhang, China Meteorological
Administration Training Center*

**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

**391. Minescapes 4: Minescapes over the Longue
durée**

Organized Session
Wednesday 4:15 to 5:45 pm
Edinburgh International Conference Centre: Lennox 1

Participants:

**Evolution of Minescapes at the End of the
Middle Ages: the Example of Southern
Tuscany** *Didier Boisseuil, Université de Rouen
Normandie*

**Minescapes Across History: Renaissance
Mining and Its Eighteenth-Century Legacy in
Medici Tuscany** *Gabriele Marcon, University of
Vienna*

**The Life and Death of Marble in the Carrara
Quarries** *Kyra Grieco, Mondes Américains,
LISST/CAS, IFEA*

Session Organizer:

Gabriele Marcon, University of Vienna

Chair:

Anthony T Quickel, Max Planck Institute for the

History of Science

392. Problematising Colonial Instructions: The Global Context of Scientific and Medical Information, 1650-1850

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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:

Matthew Eddy, Durham University

393. Do Individuals Matter? Character, Community, and Controversy in the History of Science

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 2 - Lennox 3

Participants:

The Making of Scientific Orthodoxy: The Case of William Benjamin Carpenter *Piers Hale, Oklahoma University*

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

394. Bodies in Bondage: Medical Knowledge, Regimes of Health, and Resistance in the Early Modern Mediterranean

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

395. Sea-Work and Modern Science 1900-1939 2

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

396. Genetic Counselling

Contributed Paper Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 2 - Moffat

Participants:

Regional Genetics: Clinical Genetics and Genetic Counselling in Scotland (1960s-90s)

Cristina Moreno Lozano, University of Edinburgh

Unborn Risks and 'Eugenic Prognoses': The Origins of Genetic Counselling in Post-War Britain

David Peace, University of Hamburg

The 'Muslim Genome': From Eugenic Pasts to Genomic Futures

Tayyaba Jiwani, Egenis, University of Exeter

397. James Hutton in/and the Anthropocene

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 0 - Moorfoot Suite

Participants:

Beyond Uniformitarianism: James Hutton's Epistemology

Ann C Campbell, Indiana University Bloomington

Zoological Unconformities: Charles Darwin's Earth-Makers and the British and German Admiralty's Global-Aspirations

Ali Mirza, Amherst College

Forgotten in the Archive: William Thomson and the Politics of Scientific Memory

Emily Brown, National Museums Scotland

Chair:

Ann C Campbell, Indiana University Bloomington

398. Spaces of Science in the Enlightenment

Contributed Paper Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

Science as a Vehicle for Satire, Parody and Comedy in Early Eighteenth-Century London

Stephen David Snobelen, University of King's College

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 Society

399. Weathering Science

Contributed Paper Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

400. From Sketch to Knowledge: Visual Mediation in Early Modern Natural History

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Platform 5

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

401. ESHS Presidential Session

ESHS/HSS Annual Meeting

Plenary Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor

Level 3 - Sidlaw Auditorium

Chair:

Simone Turchetti, University of Manchester

402. From Specimens to Subjects: Plural Practices of Seeing and Naming Primates

Organized Session

Wednesday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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 Shmueli*

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

THURSDAY, JULY, 16

403. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 1

Organized Session

Thursday 9:15 to 10:45 am

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

Chair:

Li Zhang, Peking University

404. Activist Epistemics and Artefacts 1

Organized Session

Thursday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.50

Participants:

Affective Epistemologies of Antimilitarism: Feminist Knowledgescapes and Activist Science in Post-Dictatorial Greece (1974–1986) Evangelia (Lina) Chordaki

DNA as Materiality: Expert and Cultural Perceptions in Forensic-Memorial Practices Lucía Expósito-Cívico, University of Granada

The Sociology of the Sleuth Community: Practices, Actors, and Zones of Interaction Mady Barbeitas, Laboratoire Interdisciplinaire Sciences Innovations Sociétés (LISIS), CNRS

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

405. Listen: Sound Science Across Time 1

Contributed Paper Session

Thursday 9:15 to 10:45 am

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

406. Science and education 1: Pedagogy

Contributed Paper Session

Thursday 9:15 to 10:45 am

Edinburgh Futures Institute: 1.55

Participants:

Echoes of the Western Epistemological Shift: Pablo González Casanova, Science and the Founding of the High School CCH Jordan William Cruz Castillo, National Autonomous University of Mexico (UNAM)

The Empire in the Lecture Room: Media of Natural History Education in the Austro-Hungarian Empire, 1864-1918 Alan Sioltaich Ross, University of Vienna

To Each According to Their Needs? Learning Inequalities and Computer-Assisted-Instruction in the Postwar United States Apolline Taillandier, University of Cambridge

Using Philosophical Models to Reassess Scientific Explanation in Science Education Research Sahar Alameh, University of Kentucky

407. The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 1

Organized Session

Thursday 9:15 to 10:45 am

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 (韮繩 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:

Danian Hu, Southern University of Science and Technology

408. Activism, Globalization, and Scientific Societies (1)

Organized Session

Thursday 9:15 to 10:45 am

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

409. UNEARTHED I: The Many Lives of Res inanimatae

Organized Session

Thursday 9:15 to 10:45 am

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 Kusakawa, Trinity College, Cambridge

410. Pluralism and the Human Sciences in Imperial and Postcolonial Contexts

Organized Session

Thursday 9:15 to 10:45 am

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 Echterhölter, University of Vienna

Chair:

Anke te Heesen, Humboldt Universität zu Berlin

411. New Insights in the History of Chinese Science 1

Contributed Paper Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 1

Participants:

Confucian Scholars Entering New Learning: The Identity Transformation and Endogenous Motivation of Marginal Scholar Chu Guishan *Fuling Nie*

Data, Algorithm, and the Quest for Impersonal Statecraft in Early China *Chun Xu, Needham Research Institute*

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*

412. Dividing Nature: Classification and its Discontents

Contributed Paper Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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*

413. Controlling and Conserving Animals

Contributed Paper Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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*

414. (Re)thinking Histories of Disease in the "Tropics" (I)

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

415. Making and Circulating Images, Their Impact and Influences on Different Fields of Science 1

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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*

**The Line and the Compass: Animal Iconography
in Dutch Cartography of America, 16th and
17th Centuries** *Rebeca Capozzi*

**Nautical Atlases, the Royal Navy and Slave
Trade Abolition: Maritime Science in Ships
and Ports, 1750-1850** *Íris Kantor, Departamento
de História - 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

416. Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge I

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: Floor
Level 1 - Harris Suite 1

Participants:

**From Sacred Cactus to Scientific Commodity:
Peyote Circulation in the Nineteenth Century**
*Nidia Olvera Hernández, Radboud University,
Netherlands*

**Empirical Aims, Empire Gains: Knowledge
regimes in the Madagascar herbarium
collection at Marseille's Colonial Institute**
*Chanelle Adams, Max-Planck-Institut für
Wissenschaftsgeschichte*

**From Garden to Lab: Medicinal Plants and the
Rise of Pharmaceutical Science in Wisconsin,
1895-1935** *Lucas Richert, University of
Wisconsin–Madison*

Chair:

Matti Leprêtre, Sciences Po Paris / EHESS

417. Epidemic and Illness in the Modern Era 1

Contributed Paper Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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*

418. Disruptive Encounters: Historicizing More-Than-Human Lives in Palestine

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

419. Shifting Narratives in Space Science and Technology (1)

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: Floor
Level 2 - Lammermuir 1

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

420. Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources in the 17th Century 1

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

**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
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

421. Landscapes of Development: Plural Visions and the Making of State-Building Infrastructures in East Asia

Organized Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

422. Tacit Knowledge: Early Career Publishing

Roundtable

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor
Level 2 - Lennox 2

Session Organizer:

Katherine White, University of California, San
Diego

Chair:

Ellie Louson, Michigan State University

Participants:

Mary Kate Wolken, University of Minnesota
Claire Ann Votava, University of California, Los
Angeles

423. Possessed, "Crippled", Uncombustible: Bodies at the Limit of Technologies and Genders

Organized Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: Floor
Level 2 - Lennox 3

Participants:

The Incombustible Man *Elena Serrano*, Institute of
History of Science. Universitat Autònoma 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

424. Old Problems, New Angles: Toward a Global History of Mathematics

Roundtable

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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
Brigette Stenhouse, The Open University
Alexis Trouillot, University of Kansas
Madeline Muntersbjorn, University of Toledo

425. Histories of 19th and 20th Century Astronomy

Contributed Paper Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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)

426. Cold War Science in Asia

Contributed Paper Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

427. Animals in Motion: Multispecies Entanglements in Asian Environments

Organized Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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

428. Mathematics and Practical Knowledge

Contributed Paper Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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 Islamic Knight's Tour Majideh Ms Qazizadeh, University of Exeter

429. Science, Authority, and Circulation

Contributed Paper Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: Floor
Level 1 - Ochil Suite 2

Participants:

Imperial Calculators of China's Qing Dynasty
Xintong Yang

**Patrons in Science and the Study of
Mesoamerican Codices: The Case of the
Duke of Loubat, 1888-1912** *Lorena López
Jáuregui, Universidad Nacional Autónoma de
México*

**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

430. Food and Health

Contributed Paper Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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*

**Textual Research on Tea and Exploration of Tea
Culture in Yinshan Zhengyao: Knowledge
Integration and Cognitive Practices in the
Multicultural Context of the Yuan Dynasty of
China** *SiGe NaiRi, 15547966628*

**Substrates from the Margins: Nutrient Media,
Multispecies Metabolisms, and the
Biochemical Materialities of Waste** *Vincent
Bernabe, University of the Philippines Diliman &
Hong Kong University of Science and Technology*

431. Contested Knowledges of Climate, Food and Famine

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: Pentland
Auditorium

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

432. Archaeological Decipherment: Discovery, Conviction, Allure

Organized Session
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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

433. What Do Museums Do with Collections of Human Remains?

Roundtable
Thursday 9:15 to 10:45 am
Edinburgh International Conference Centre: 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:

Paula Summerly, University of Texas Medical Branch

Erin McLeary

Sara Ray, Mütter Museum of The College of Physicians of Philadelphia

Malcolm MacCallum, University of Edinburgh

Laurens de Rooy, Amsterdam UMC

434. Ships, Fevers, and Specimens: Cross-Cultural Knowledge in Early Modern Maritime Asia

Organized Session

Thursday 9:15 to 10:45 am

Edinburgh International Conference Centre: 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*

Contested Specimens: Knowledge Practices in VOC Batavia *Bondan Kanumoyoso, University of Indonesia*

Session Organizer:

Zhi-Yu Chen, University of Cambridge

Chair:

Maria Iulia Florutau, Uppsala University

435. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 2

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.40

Participants:

CERN and JINR: Early Withdrawals Against A Backdrop of Success *Ilexey Zhemchugov*

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*

Chair:

Li Zhang, Peking University

436. Activist Epistemics and Artefacts 2

Organized Session

Thursday 11:00 to 12:30 pm

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

437. Listen: Sound Science Across Time 2

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh Futures Institute: 1.52

Participants:

Comparing "Cavity-Based Sound Reinforcement" in Chinese and Western Performance Architecture *Yang Yang*

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*

What Are Chinese Tones? Epistemic Instability and Applied Research on Language *JUNCHENG LIU, Humboldt University of Berlin*

438. Science and education 2: Practice

Contributed Paper Session
Thursday 11:00 to 12:30 pm
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*

Hungarian Lecture Notes as Sources for Conceptual Shifts in Botany at the Turn of the 18th-19th Centuries *Máté Szentkereszti, Eötvös Loránd University, Budapest*

439. The Evolution of Science and Technology in China: Tradition and Modernity in a Global Perspective 2

Organized Session
Thursday 11:00 to 12:30 pm
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:
Climério Paulo da Silva Silva Neto, Universidade Federal da Bahia

440. Activism, Globalization, and Scientific Societies (2)

Organized Session
Thursday 11:00 to 12:30 pm

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

441. UNEARTHED II: Res inanimatae in Late Medieval and Early Modern Medicine

Organized Session
Thursday 11:00 to 12:30 pm
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

442. Histories of Climate and Environment 1: Shaping

Contributed Paper Session
Thursday 11:00 to 12:30 pm
Edinburgh Futures Institute: 3.35

Participants:

Sustainability Beyond the Iron Curtain: A Brief History of Sozology *Jan Mozdzyński, Polish Academy of Sciences*

Towards a “Science of Surprise”: The Origins of Resilience Thinking in Postwar Ecosystem Ecology *Andrew Mitchell Hoyt, Princeton University*

Gene Wolfe: Engineering the Anthropocene, 1972-1986 *Stephen Case, Olivet Nazarene University*

443. New Insights in the History of Chinese Science 2

Contributed Paper Session
Thursday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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*

What Stimulated Modern China (1858-1949)? *Yuqi Jin, University of Auckland*

444. Plants and Knowledge

Contributed Paper Session
Thursday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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*

Bookplates and the Trans-memory of Images: The Case of Botany *Ana Cristina Martins, Universidade de Évora | IHC-polo Universidade de Évora / IN2PAST*

Toxic Knowledge and Invisible Expertise: Reassessing Zhou Ziliang's “Ascension Drug” in Sixth-Century China *Dongyue Xue*

Architecture or Gardening? Drawing Boundaries in Victorian England *Yakin Ajay Kinger, Cornell University*

445. Objectivity Reconsidered

Contributed Paper Session
Thursday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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*

446. (Re)thinking Histories of Disease in the “Tropics” (II)

Organized Session
Thursday 11:00 to 12:30 pm
Edinburgh International Conference Centre: 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)

447. Making and Circulating Images, Their Impact and Influences on Different Fields of Science 2

Organized Session
Thursday 11:00 to 12:30 pm
Edinburgh International Conference Centre: Floor Level 3 - Fintry Auditorium

Participants:

Between Image and Epistemic Luminosity: Visual Culture, Science, and Iconographic Circulation in Enlightenment Portugal *Sofia*

Margarida Carrola

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

448. Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge II

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 1

Participants:

Searching for Alkaloids in a Shortage Society: Bioprospecting and Vernacular Materia Medica in the Early Soviet Era *Olga Belichenko; Maria Pirogovskaya, LMU, Munich*

Transformations in Practices of Colonial Bioprospecting. Chaulmoogra-based Drugs in the Early 20th Century *Dominique Merdes, TU Braunschweig, Germany*

From "Raw Plant" to Remedy: Peasant and Indigenous Skill in the Making of Pharmaceutical Value *Matti Leprêtre, Sciences Po Paris / EHESS*

Chair:

Matti Leprêtre, Sciences Po Paris / EHESS

449. Epidemic and Illness in the Modern Era 2

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Plural Voices: History of Science as Graphic Narrative - Yes, Comics! *Sydney Halpern, University of Illinois at Chicago*

450. Mediating Meteorology: Communicating Climate and Weather Knowledge from Antiquity to the Present

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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:

Karen Sayer, Leeds Trinity University

451. Shifting Narratives in Space Science and Technology (2)

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 2 - Lammermuir 1

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

452. Scientific Disputes, Cosmological Theories from Scheiner to Cassini: Archival Sources from the 17th Century 2

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

Longitude Measurements and the Reform of Cartography in Early Modern Europe: the Scientific Correspondence between Giovan Domenico Cassini and Luigi Ferdinando Marsili Eugenio Bertozzi, University of Bologna; Laura Rigotti, University of Bologna

Reconstructing the Birth of Transient Astronomy in the Age of Cassini Giangiacomo Gandolfi, Astronomical and Copernican Museum in Rome, National Institute for Astrophysics (INAF), Astronomical Observatory of Rome

Session Organizers:

Ivana Gambaro, University of Genoa, SISFA
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

453. Tried and (Con)tested: Sensory Knowledge and Food Production, 900-1800

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

454. Dark Waters: Constructing Aquatic Predators in Science and Culture

Roundtable

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

455. Taming Psychotherapy: From Radical Experiment to Standards of Practice (1960-2000)

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

456. Book Roundtable: Jessica Riskin, The Power of Life: The Revolutionary Science of Jean-Baptiste Lamarck

Roundtable

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

Stéphane Van Damme, Maison Française d'Oxford

Jessica Riskin, Stanford University

457. Cosmologies Ancient and Early Modern

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

From One Cosmos to Many Worlds: Western and Eastern European Pathways Through Cosmological Transition (15th-18th Centuries)
Oksana Koltachykhina, Arnsberg District Government, Germany

458. New Histories of Cold War Scientific Exchange

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

Choosing China, Being Chosen: P.M.S Blackett, C.F Powell, and D.C Hodgkin in Mao-Era Scientific Exchanges *Yihong Sun, University of Chinese Academy of Sciences*

459. Shifting Perspectives on Disease Entities

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

460. New Perspective on the Histories of Mathematics

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 1

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*

461. Practising Medicine in Colonial India

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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 (IIT) Varanasi, India*

Sacred Experiments: Imperial medicine, Christianity and Patient Resilience in British Indian Leper Asylums *Shinjini Das, University of East Anglia*

Medicine and Colonialism in the Deccan Region-The Late 19th-Century India *SAI KRISHNA VARDHAMAN, IIT Madras*

462. The Politics of Standardization

Contributed Paper Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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*

463. Searching for Eden in 20th-Century Ecological Thought

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Pentland

Auditorium

Participants:

St Kilda, the fall, and the call of Eden *Adam Searle, University of Nottingham*

Evolutionary Eden: The Descent of Sheep in C20th Ecological Thought and Practice" *Rebecca Woods, University of Toronto*

Paradise Lost: Visions of Ecological Collapse in Postwar Conservation *Duncan Wilson, University of Manchester*

Articulating the voice of the mountain: ecological science, ski developments and contestations over conserving the Cairngorms *Hayden Lorimer, University of Edinburgh*

Session Organizers:

Rebecca Woods, University of Toronto
Adam Searle, University of Nottingham

Chair:

Etienne Benson, Max Planck Institute for the History of Science

464. The Science, Sensation, and Schism of Medical Electricity

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: 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

465. Women and Public Health in India: Colonial and Post Colonial Perspectives

Organized Session

Thursday 11:00 to 12:30 pm

Edinburgh International Conference Centre: Floor Level 0 - Tinto Suite

Participants:

Perceiving Public Health through the Writings of Bhadramohilas in Bengali Periodicals (1850-1930) *Dr. Tinni Goswami, St. Xavier's College, Kolkata (Autonomous)*

Nursing and Public Health Administration in Colonial Bengal: A Socio-Historical Perspective *Dr Sneha Sanyal*

Gender and Matriliney in a Tribal society: Exploring the Factors Affecting Health Conditions of Khasi Women in Contemporary Meghalaya *Dr. Srijani Bhattacharjee Dey, Amity University, Kolkata*

New Reproductive Technologies and Women's Health: An Indian Experience. *APARAJITA DHAR, The University of Burdwan*

Chair:

Prof Kamlesh Mohan, Punjab University, Chandigarh

466. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 3

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh Futures Institute: 1.40

Participants:

How Global Are "Global" Fields? Free-Energy Molecular Modeling as a Computational Case *Daniele Macuglia, Peking University*

Encoded Sovereignties, 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*

Chair:

Li Zhang, Peking University

467. Activist Epistemics and Artefacts 3

Organized Session

Thursday 2:30 to 4:00 pm

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

Activism by Design: How Scientific Instruments Shape Democratization in Citizen Science *Evan Josselin, Institut Jean Nicod – ENS/CNRS*

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

468. Domesticating Technologies in the 20th Century

Contributed Paper Session

Thursday 2:30 to 4:00 pm

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*

Plural Modernities: Women, Everyday Technologies and Social Transformation in Colonial Punjab *Mandakini Thakur, Punjab State Council for Science and Technology, Chandigarh, India*

Fighting Fire, Fighting Fraud: Home Fire Protection Equipment and the Market *Alexander Ian Parry, University of Rochester Medical Center*

469. Science and Education 3: Making Expertise

Contributed Paper Session

Thursday 2:30 to 4:00 pm

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

**470. The Evolution of Science and Technology in
China: Tradition and Modernity in a Global
Perspective 3**

Organized Session

Thursday 2:30 to 4:00 pm

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 θ_{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:

Dagmar Schaefer, MPIWG

**471. A New Kind of Amusement for Cultivating the
Mind: Science Popularisation in Britain and Italy in
the Long Eighteenth Century**

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh Futures Institute: 2.20

Participants:

**"Ognuno fa i meravigliosi 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 Ia
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

**472. Translating Technologies and Images: a
Context for Textual Knowledge-Making across
Early Modern Cultural Spheres**

Organized Session

Thursday 2:30 to 4:00 pm

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

**473. Histories of Climate and Environment 2:
Knowing**

Contributed Paper Session

Thursday 2:30 to 4:00 pm

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 Sheffield*

An Air Conditioner or a Sink?: The Bioclimatic Value of Rainforests, 1970-2000 *Oliver Lucier, Yale University*

474. The Health of Animals 1

Contributed Paper Session
Thursday 2:30 to 4:00 pm
Edinburgh International Conference Centre: 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*

Horseshoes in Science: The Role of Equine Veterinary in the Configuration of Scientific Thought in the Andes *Laura Helena Arraya Pareja, FLACSO ECUADOR*

The Sanitary Bubble: Segregation, Cattle Diseases, and Colonial Space in Madras 1870s-1900s *Teresa Joshy, Shiv Nadar Institution of Eminence*

475. Science and Literature

Contributed Paper Session
Thursday 2:30 to 4:00 pm
Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 2

Participants:

Refracted Worlds: Optical Knowledge and Observational Practices in Barthold Heinrich Brockes' Scientific Poetry *Maja Rausch*

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*

476. Building Disciplines

Contributed Paper Session
Thursday 2:30 to 4:00 pm
Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 3

Participants:

Transforming Academic Communication in Eighteenth-Century Russia: A Study of the Academy's Journal *Tatiana Sokolova*

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*

477. (Re)thinking Histories of Disease in the "Tropics" (III)

Organized Session
2:30 to 4:00 pm
Edinburgh International Conference Centre: Floor Level 2 - Cromdale Hall

Participants:

Development before health? Standardizing dengue fever control in postwar Southeast Asia *Timothy Sim, University of Cambridge*

Brazil-Cuba Cooperation in Dengue Control: A Historical Perspective on the 1981 and 1986 Epidemics *Alfredo Ricardo Silva Lopes, Federal University of Santa Catarina State(Brazil)*

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

478. Colonial Legacies, Infrastructural Entanglements: Cosmic Infrastructures in Hawai'i, California, and South Africa

Organized Session
Thursday 2:30 to 4:00 pm
Edinburgh International Conference Centre: Floor Level 3 - Fintry Auditorium

Participants:

Colonial and Social History as Dark Matter: Building Giant Telescopes on Hawai'i's Most Reversed 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

479. Roots and Remedies: Global Histories of the Pharmaceuticalization of Herbal Knowledge III

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 1

Participants:

Trade, politics, and ideology: Making plant medicines 'official' in British India, 1860-1960 *Stuart Anderson, London School of Hygiene and Tropical Medicine*

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*

Chair:

Matti Leprêtre, Sciences Po Paris / EHESS

480. Science and Technology in Post-1949 China

Contributed Paper Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 2

Participants:

Contested Cosmologies: Knowledge Hybridity and Epistemic Disobedience in China's Space Station Program *Jingjin WANG*

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*

Growing U.S. Tobacco in Native Soil: The Agricultural Reform and Rural Governance in Yunnan *Jiayi Li, University of California, San*

Diego

481. Metabolic Frontiers: Transforming Matter and Energy in the 20th Century

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Environmentalism in Decay: Microbial Decomposition and the Politics of Recycling from Ecology to Resource Recovery, 1960s-70s *Boyd Ruamcharoen, Harvard University*

"Local contamination requires local metabolism": The Making of Microbial Indigeneity *Danhue J. Kim, Massachusetts Institute of Technology*

Metabolic closures: what happens when foodways end? *Aaron Van Neste, Oberlin College*

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

482. Actors, Agents, and Experts in Computing and AI: Decision-making and Contested Authority in Automated Realms

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

AI Expert Systems Meet the Crisis of Expertise: NASA, Newt Gingrich, and Challenges to Rules Based Programming in U.S. Technology Policy in the 1990s *Andrew Meade McGee, Smithsonian Institution*

Session Organizer:

Andrew Meade McGee, Smithsonian Institution

Chair:

Allison Marsh, University of South Carolina

483. Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 1

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

484. The Sciences of the Artificial: Modern Science and Design Expertise

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

Designing the Ocean for Theme Parks and Laboratories *Kristine Ericson, USC*

Chair:

Henry Schmidt

Commentator:

Massimo Mazzotti, UC Berkeley

485. Necro-geographies: Extractive Beforemaths and Ecological Afterlives of War

Roundtable

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 2 - Lennox 2

Session Organizers:

Patrick Anthony

Deren Ertas, Harvard University

Chair:

Lauren Dempster

Participants:

Shreya Khaund, Warwick University

Zsuzsanna Ihar, University of Cambridge

Pinar Dinç, Lund University

486. Seeing Health: Representing Medical Knowledge in Early Modern period

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

487. Living/Thinking in Monstrous Times

Roundtable

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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
Miriam Rich, Dartmouth College
Ashton Wesner, Colby College

488. Divining Heaven and Earth

Contributed Paper Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

489. Science and World War 2

Contributed Paper Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor
Level 2 - Moffat

Participants:

**A Few Spanish Republicans: Breaking the
Enigma before Bletchley Park** *Jordi Fornes,
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*

490. Contested Skies: Plural Cosmologies and Sino-European Exchanges of Astronomical Knowledge in China, 16th–20th Centuries

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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

491. Rewriting the Histories of Algebra

Contributed Paper Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: 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*

492. Fishing for Science

Contributed Paper Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor
Level 1 - Ochil Suite 2

Participants:

**International Conflicts and Technoscientific
Diplomacy: The Role of the United States, the
Food and Agriculture Organization (FAO), and
the Inter-American Development Bank (IDB) in
Argentine Fisheries Research (1974-1982)**
Ezequiel Sosiuk, CCTS-Maimónides

**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

493. Sciences of Disaster

Contributed Paper Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Ochil Suite 3

Participants:

Climate, Colonialism and the Science of Disaster: Investigating the Plural Worlds of Indian Meteorology *Tirthankar Ghosh, Kazi Nazrul University, Asansol, India*

Shaking Authority: Seismology, Infrastructure, and the Politics of Information in the 1897 Assam Earthquake *Chao Ren, Hamilton College*

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*

494. Unorthodox Women, Unorthodox Ideas in Modern Biological Research

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 1 - Platform 5

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 *Felicitas Petra Söhner, Department of the History, Philosophy and Ethics of Medicine*

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

495. Testing, Staging and Recording: Film as Research and Practice in the Psy-Disciplines
Roundtable

2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 3 - Sidlaw Auditorium

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

Sasha Bergstrom-Katz, University of Bielefeld

Sophia Gräfe, Humboldt-University Berlin

496. Contested Mesmerism, a Plural Medical Science in Global Perspective

Organized Session

Thursday 2:30 to 4:00 pm

Edinburgh International Conference Centre: Floor Level 0 - Tinto Suite

Participants:

The Diffusion of Mesmerism in Switzerland (1780s) : a Largely Uncontested Practice *Lisa Magnin, Université de Fribourg (Suisse)*

A magnetic triangle: Malta between Paris and Italy *Armando David, ISPF/CNR*

From South Asia to Europe and Back Again: Inter-Imperial Circulations of Mesmeric Theory and Practice, 18th-19th Centuries *Kapil Raj, École des Hautes Études en Sciences Sociales*

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

497. Fractures, Withdrawals, and Non-Cooperation: Contested Moments of Breakdown in International Scientific Organizations 4

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh Futures Institute: 1.40

Participants:

The “Expelled” Founding State: The split between The International Arctic Science Committee and Russia *Liying 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*

Chair:

Li Zhang, Peking University

498. Pestilence and the Weather: The Environmental Framing of Epidemics in Global Antiquity

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh Futures Institute: 1.50

Participants:

A Waterless Flood: Epidemics in Ancient Mesopotamia *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

499. The Limits of Sex

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh Futures Institute: 1.52

Participants:

The Matilda Effect in Soviet Scientometrics? Nalimov, Mulchenko, and the Origins of Naukometriya *Ivan Kislenko, Adam Mickiewicz University; Emanuel Kulczycki, Adam Mickiewicz University*

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*

500. Attuning to Multispecies Worlds: Farmed Animals, One Health, and Shifting Scientific Practices in Modern China

Organized Session

Thursday 4:15 to 5:45 pm

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

501. Natural Knowledge at the Edge of East Asia: Creating Epistemologies of Taiwan’s Environment from the Seventeenth Century to the Cold War

Organized Session

Thursday 4:15 to 5:45 pm

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

502. At the Fringes of Earth Science Models

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh Futures Institute: 2.20

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

503. Voices from the Margins: Translators and the Making of 18th and 19th-Century Geological and Mineralogical Knowledge

Organized Session

Thursday 4:15 to 5:45 pm

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

504. Histories of Climate and Environment 3: Diffusing and Disputing

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh Futures Institute: 3.35

Participants:

"Disturbed Climates": Press Mediation and the Making of Climate Knowledge in Chile during the IGY *Jorge Ignacio Mujica-Urzuá, Pontificia Universidad Católica de Chile*

John Bockris: The Fraudster Who Created Clean Energy *Benjamin Johnson*

Climatic Change in Basic Primary School in México: The Evolution and Circulation of a Concept *Irama Núñez Tancredi, Universidad Nacional Autónoma de México*

505. The Health of Animals 2

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 1

Participants:

Feeding Pigs, Measuring Worlds: Contested Nutrition and Ecological Plurality in Maoist China (1949-1976) *Hairong Huang, University of Toronto*

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*

506. Technology and Management in Modern History

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Carrick Suites 2

Participants:

A Global History of Smoking on Submarines *Timothy Michael Henderson, Cypress Group; Robert N Proctor, Stanford University*

A History of Science and Technology Studies through Its Transnational Associations *Gerardo Ienna, Sapienza Università di Roma*

A Study of China's Military Industry from the Perspective of Industrial Heritage (1861-1949)

Qingqi LYU, Institute for the History of Science and Technology Inner Mongolia Normal University
Assembling Vehicles, Delivering China's Infrastructure, 1950s-1980s *TIANLIN WANG*

507. Malaria, Smallpox, Rabies

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

508. New Histories of Machine Learning as Making Up People

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

“Probabilistic Phenomena”: On the history of statistical modelling and the emergence of modern data science *Amira Moeding, University of Cambridge*

Session Organizers:

Aaron Mendon-Plasek, Purdue University

Alexander Campolo, Durham University

Chair:

Aaron Mendon-Plasek, Purdue University

509. Earth and Environment: Cosmic, Plural, and Contested Perspectives

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 3 - Fintry Auditorium

Participants:

Integrating Traditional Cosmographies and Navigational Practice: The Maritime Wisdom of Mappila Mariners of Malabar *Shebeen Mehaboob A P, Research Scholar*

The Narrative of the ‘Seven Heavens’: ‘Controversial’ Planetary Perspectives Between 16th-Century Ottoman Cosmological Texts (Science) and Mesnevis (Literature) *Okan Keleş, Istanbul University*

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

510. Religion, Identity, and Modernity in 19th and 20th Century Medical Spaces

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 1

Participants:

Contesting Brain Death: American Religion and Hospital Policy at Life’s End *Ronit Stahl*

Christian Witness, Soul Politics, and Hospital Care in Post-1948 Gaza *Carlton Carter Barnett, Johns Hopkins University*

“Raising a Cleanliness Consciousness”: The Jewish Consumptive Relief Society and the Politics of American Jewish Healthcare in the Early Twentieth Century *Leigh Alon, Johns Hopkins University*

Making of a Medical-Militarist Tehran: Hygiene, Anthropomorphisation, and the Modern Municipality (1860s–1930s) *Kamyar Salavati*

Session Organizer:

Leigh Alon, Johns Hopkins University

Chair:

Ahmed Ragab, John Hopkins University

511. Medicine, State Power, and Epistemic Hybridity in Maoist and Socialist China

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 1 - Harris Suite 2

Participants:

Acupuncture and Biomedicine: Practices of Integration in Cultural Revolution China Sara Martinelli, University of Bari "Aldo Moro"

Taming Unruly Doctors: Medical Reform and Doctors' Resistance in early Socialist China (1949-1965) Jian Meng, University of New Mexico

Hybrid Therapies, Contested Medicines: Making Diabetes in Maoist China Yinan Jin, University of Vienna

Treating Old Diseases, Shaping New People: The Acupuncture-Moxibustion Promotion Movement and Epidemic Management in Mao's China (1950-1976) Xiong Xiao, Guangzhou University of Chinese Medicine

512. Modernity, Mysticism and Mathematics

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 0 - Kilsyth Suite

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

513. Technologies of Colonial Resource Extraction in Africa

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

514. Emerging from the Shadow: New Perspectives on Solar Eclipse Expeditions 2

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 2 - Lammermuir 2

Participants:

Visualising (and Not Visualising) Eclipses Hugo Soares

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

Eclipse Expeditions and Borderlands Alex Soojung-Kim Pang

Session Organizers:

Megan Briers, Max Planck Institute for the History of Science

Jesse Garrison, University College London

Chair:

Deborah Kent, University of St Andrews

515. Sciences and the Ideas of Europe: Geographies, Temporalities and Actors

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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

**516. Crisis, Capriciousness, and Control in the
Technosciences**

Roundtable

Thursday 4:15 to 5:45 pm

*Edinburgh International Conference Centre: 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

**517. Contested Science (and Technology Studies):
Histories of STS and Its Forerunners,
Interlocutors, Competitors, Targets, and Patrons**

Organized Session

Thursday 4:15 to 5:45 pm

*Edinburgh International Conference Centre: 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

**518. Shifting Science in Film and Television:
Historically-Informed Performance Practice,
Artistic License, and the Spectacular Screen**

Roundtable

Thursday 4:15 to 5:45 pm

*Edinburgh International Conference Centre: Floor
Level 1 - Lowther*

Session Organizer:

Ellie Louson, Michigan State University

Chair:

Tamara Caulkins, William O. Douglas Honors
College, CWU

Participants:

Nuala Caomhanach, New York

University/American Museum of Natural History

Luis Felipe Eguarte Souza, Pavék Museum

Ellie Louson, Michigan State University

Emily Simpson, Oregon State

519. Space Sciences and Politics

Contributed Paper Session

Thursday 4:15 to 5:45 pm

*Edinburgh International Conference Centre: Floor
Level 1 - Menteith*

Participants:

**A Case in Space Diplomacy: Between European
and Transatlantic Cooperation, Italy’s Parallel
Tracks in Early Space Cooperation** *Piero
Messina, University of Padua*

**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*

520. New Approaches in the History of Science

Contributed Paper Session

Thursday 4:15 to 5:45 pm

*Edinburgh International Conference Centre: 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*

Kalunga Orality and Plural Epistemologies: Decolonizing the Production of Historical Knowledge in the Brazilian Cerrado *Patrícia Simone de Araujo, Universidade Estadual de Goiás (UEG) Universidade Evangélica de Goiás (Unievangélica)*

521. “Pedagogies of Things” in the Natural History Humanities

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor Level 0 - Moorfoot Suite

Participants:

How to Read What Isn't There: Teaching Loss with Natural History Collections *Katherine Arnold, University of Liverpool*

History of Science and Natural History Humanities in multidisciplinary classrooms, collection storage rooms and exhibitions *Dominik Hünninger, German Port Museum, Hamburg*

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

522. Euclid and Geometry Across Traditions

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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)*

Unsettling the Foundations: A Christian Priest's Critique of Ashkāl al-Ta'sīs *Mehmet Arıkan,*

Istanbul Medeniyet University, Institute for the History of Science

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*

523. World War Histories of Science

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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 Conscientious Personality: Psychological Research on Pacifists During WWI *Juliana Broad*

524. Heavens, Earth, and Water in the Early Modern Iberian World

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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*

Practical Knowledge, Moral Peril, and Mining Priests in the Colonial Andes *Heidi V Scott, University of Massachusetts Amherst*

Pallaña: Andean Miners as Mineral Collectors in 18th-Century Alto Perú *Annelise Walker, Pennsylvania State University*

525. Sciences of the Deep Past

Contributed Paper Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 1 - Platform 5

Participants:

Life Past, Present, and Alien: The Aesthetic Development of Taphonomy as Planetary Fossil Knowledge Ana María Gómez López, Delft University of Technology, Netherlands

The Formation of Cosmology in the Periphery of China Central Plains Culture 5000-4000BP 焜 宸 郭, University of Chinese Academy of Sciences

The Dawn of Eastern Civilization: Neolithic Chinese Mathematical Culture DAI Qin, Inner Mongolia Normal University

Sanxingdui Bronze Shaping Techniques: A Comparative Perspective from Southwest China (1200-1050 BCE) Xiaoge He, Harvard University

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

526. Science and Activism: A Long History

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: 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 Herrstadt, 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

527. Reshaping Boundaries and Reconfiguring Networks: Islamic Discourses on the Sciences in an Age of Transformation

Organized Session

Thursday 4:15 to 5:45 pm

Edinburgh International Conference Centre: Floor
Level 0 - Tinto Suite

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