



ONLINE **EVERYWHERE**
MAY 28-29, 2024
VIRTUAL ANNUAL MEETING

VIRTUAL PROGRAM

*Dreaming Beyond Barriers:
The Future of Biobanking*

#ISBER #ISBER2024

CONTENTS

Message from the ISBER President-of-the-Board	4
Message from the Program Planning Co-Chairs	5
ISBER Board of Directors, Communities of Practice Chairs, and Program Task Force	6
ISBER Award Recipients	7
2024 Sponsors & Exhibitors	9
General Conference Information	12
Conference Program	14
Poster Sessions	26
Exhibit Hall Floorplan & Exhibitor Listing	29



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Vision

ISBER advances the expertise and quality of biorepositories and biobanking science worldwide.

Mission

To be the leading network in the global biobanking and biorepository community.

Goals

- Disseminate information on repository management issues
- Educate and share information and tools within the society and with stakeholders
- Act as the voice for repositories to influence regulations and policy
- Develop best practice guidelines
- Provide centralized information about existing repositories
- Bring members together to work on emerging issues



International Society for Biological and Environmental Repositories
1618 Station Street, Vancouver, BC, V6A1B6 Canada | T 604.484.5693

MESSAGE FROM THE ISBER PRESIDENT-OF-THE-BOARD

Dear colleagues and friends,

On behalf of the International Society for Biological and Environmental Repositories (ISBER) Board of Directors, I extend you a warm welcome to the 2024 ISBER Annual Meeting, in person on April 9-12, 2024 in Melbourne, Australia, and virtually on May 28-29, 2024.

Under the leadership of our Scientific Program Co-Chairs, Cassandra Griffin (Australia), Gregory Grossman (USA), and Amanda Moors (USA), and supported by an excellent Program Planning Task Force, this year's theme is "Dreaming Beyond Barriers: The Future of Biobanking". The future of biobanking is in our hands and it is an exciting, albeit challenging, time to be at the forefront of medical (human and animal), biodiversity and environmental research. This is the time to be ambitious, think big and break down those barriers, and during this meeting we will hear how the global biobanking community is doing just that.

Huge thanks go to our invited speakers, workshop presenters, roundtable leaders, corporate session leaders and oral and poster abstract presenters – the subject matter you have put forward has created a great program, wonderfully shaped by the Program Planning Task Force. There are many opportunities for networking and creating new collaborations and friendships across the four days, as well as space to learn about how ISBER and its tools can support you in your daily work.

Thank you to our sponsors, who continue to show unwavering support for ISBER and biobanking. Do take time to visit the exhibition hall and speak with the vendors to discover the exciting new developments in technologies, tools, and equipment. Our vendors and their products are fundamental to the future of biobanking so take the opportunity to interact with them, either in the exhibit hall or at one of the corporate sessions.

During your time in Melbourne, you will have the opportunity to visit local biobanks – three internationally renowned biobanks will generously support tours to their facilities the day before the conference program starts. You can also join us for a 5k Fun Run along the Yarra River and help to celebrate ISBER's 25th anniversary at our Silver Celebration at Cargo Hall, overlooking the river – remember to bring a dash of silver for the occasion! ISBER's 25th anniversary will be celebrated throughout the conference, with two dedicated sessions looking back, and forward, with ISBER's perspective on the evolution of biobanking.

Thank you to our ISBER Head Office Staff, who have supported us throughout the year on all aspects of this endeavor.

Last and certainly not least, thank you to our members and visitors to this meeting. Without you, none of this is possible. I hope that you find the meeting educational, valuable and fun. Together, let's turn the dream into reality and make biobanking flourish in the future!

Sincerely,



Alison Parry-Jones
ISBER President-of-the-Board 2023-2024
Wales Cancer Biobank, Cardiff University, UK

MESSAGE FROM THE PROGRAM PLANNING CO-CHAIRS

25 years of ISBER, a Silver Anniversary! ISBER's reach and impact today are testament to the dedication of its leaders and members, past and present. Over the past 25 years, we have grown significantly and are now recognized as the leader in international biospecimen science and biobanking excellence. Our meetings have become truly global events, where professionals from around the world convene to advance biobanking. This year we will look back to honor ISBER's legacy and look ahead to ISBER's bright future.

ISBER's 2024 Annual Meeting 'Dreaming Beyond Barriers: The Future of Biobanking' is an opportunity to celebrate this momentous occasion, connect and collaborate with colleagues old and new, learn from global experts, share our experiences, reflect on the legacy of our organization and collectively envision the future of biobanking and biospecimen science.

We have been truly privileged to work with two powerhouse task forces, the Program Planning Task Force and Local Planning Task Force to bring you this seminal and inclusive event. With delegates spanning over 30 countries and representing disciplines from ecological preservation, human behaviors, technological innovation and biomedical advances – the event will explore topics pertinent to all repositories, at all stages of operations from inception to implementation and management. We are delighted to deliver you a robust and science-packed program that interweaves formative opportunities to network and collaborate. We are honored that you have joined as a delegate, bringing your acumen, enthusiasm and diverse experiences to this event. You are the essential ingredient which makes this meeting not only possible but enjoyable – full of camaraderie, unity, connection and growth.

In Indigenous Australian Culture, the Dreaming is the source of all things and the lore from which concepts of custodianship, mutual respect and collaboration are grounded. In an age of globalization, changes in practice, virtual models of biobanking and quantum leaps in technology, we can find ourselves with enthusiasm for these emerging opportunities yet concern at the uncertainty they bring. In dreaming beyond these barriers, we as a community can collectively discuss the hurdles we face, harmonize and align practices, mitigate risks while leveraging opportunities to envision a sustainable path forward. Through the broad range of engagement activities present at the meeting, we will form and shape the future of biobanking.

Along with our program and local task forces, we'd also like to convey our sincerest thanks to our corporate sponsors and exhibitors without whom these events would not be possible. Likewise, warmest thanks to ISBER Head Office and the Board of Directors for your input, guidance and support throughout this process and for entrusting us to co-chair such a milestone event.

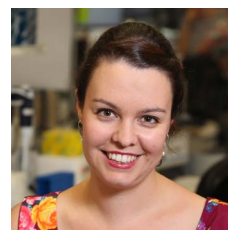
On behalf of all who have made this possible, and who are attending this conference, we welcome you to stunning Melbourne, Australia and to ISBER's 25th Anniversary Annual Meeting – and we know the best is yet to come!



Gregory Grossman, PhD, BCMAS, CCRP, CEBT
ISBER 2024 Annual Meeting Co-Chair
Advancing Sight Network
USA



Amanda Moors, BS
ISBER 2024 Annual Meeting Co-Chair
National Institute of Standards
and Technology
USA



Cassandra Griffin, BA, BiomedSci and MPH
ISBER 2024 Annual Meeting Co-Chair
University of Newcastle – NSW Regional
Biospecimen Services
Australia

ISBER BOARD OF DIRECTORS, COMMUNITIES OF PRACTICE CHAIRS, AND PROGRAM TASK FORCE

ISBER BOARD MEMBERS

Alison Parry-Jones, PhD, MA, MRSC
 PRESIDENT-OF-THE-BOARD
 May 2023 – May 2024
 Wales Cancer Bank - Cardiff University
 South Glamorgan, United Kingdom

Clare M. Allocca, MS, PMP
 PAST PRESIDENT-OF-THE-BOARD
 May 2023 – May 2024
 National Institute of Standards & Technology
 Maryland, United States

Dayong Gao, PhD, BSc
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 May 2023 – May 2024
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 Washington, United States

Cathy Seiler, PhD
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 Biorepository
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 Guangdong, China

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 Africa
 May 2022 – May 2025
 Centre for Human Metabolics
 Potchefstroom, South Africa

Wayne Ng, PhD
 DIRECTOR-AT-LARGE - Indo-Pacific Rim
 May 2023 – May 2027
 Victorian Cancer Biobank
 Melbourne, Australia

Dana Cooper, MBA, BKin, CAE
 EXECUTIVE DIRECTOR
 Ottawa, Canada

Communities of Practice Chairs

Education and Training

Tamsin Tarling, BSc, MSc
 EDUCATION AND TRAINING
 COMMITTEE CHAIR
 Post COVID Recovery Clinic
 British Columbia, Canada

Science Policy

Helen Morrin, MA
 SCIENCE POLICY COMMITTEE CHAIR
 University of Otago Christchurch
 Christchurch, New Zealand

Standards Policy

Annemieke De Wilde, MSc
 STANDARDS COMMITTEE CHAIR
 Belgian Cancer Registry/BBMRI.be
 Brussels, Belgium

2024 Program Planning Task Force

Co-Chairs

Cassandra Griffin, University of
 Newcastle - NSW Regional Biospecimen
 Services, Australia

Gregory Grossman, Advancing Sight
 Network, USA

Amanda Moors, National Institute of
 Standards and Technology, USA

Lori Campbell, Analytical Biological
 Services, Inc., USA

Daniel Catchpoole, The Children's
 Hospital at Westmead, Australia

Koh Furuta, Chiba Medical Center, Japan
Debra Leiolani Garcia, Independent
 Consultant, USA

Marianne Henderson, National Cancer
 Institute, Maryland, USA

Anusha Hettiaratchi, University of New
 South Wales, Australia

Kouame Ambroise Kintossou, Institut
 Pasteur Côte d'Ivoire, Côte d'Ivoire

Anna Michalska-Falowska, Medical
 University of Bialystok, Poland; Medical
 University of Graz, Austria, Poland

Sandra Nanyonga, Université Côte
 d'Azur, France

Karena Pryce, The Westmead Institute for
 Medical Research, Australia

V Krishnan Ramanujan, Cedars Sinai,
 USA

Georget Reaiche-Miller, The University
 of Adelaide, Australia

Rosy Singh, Barrow Neurological Institute,
 USA

Yan Ru Su, Vanderbilt University Medical
 Center, USA

Lalita Wadhwa, Texas Children's
 Hospital, USA

Cynthia Weyant, Precision For Medicine,
 USA

2024 Local Engagement Task Force

Chair

Wayne Ng, Victorian Cancer Biobank, Australia

Lisa Devereux, PeterMac Callum Cancer Centre, Australia

Cassandra Griffin, University of Newcastle, Australia

Louise Ludlow, Murdoch Children's Research Institute, Australia

Jhoseph Marquez, Monash Health, Australia

Sarah Payton, CSIRO, Australia

Ashley Rudge, PeterMac Callum Cancer Centre, Australia

Richard Saffery, Murdoch Children's Research Institute, Australia

Miranda Smith, The Peter Doherty Institute for Infection and Immunity, Australia

Heather Thorne, PeterMac Callum Cancer Centre, Australia

Gillian Treloar, NATA, Australia

Helen Tsimiklis, Epidemiology Monash University, Australia

Katherine Woods, NRL/St Vincent's Institute Biobank, Australia

JOIN ISBER TODAY!



RECEIVE THESE BENEFITS WITH YOUR MEMBERSHIP:

- Free or discounted access to ISBER educational resources
- Opportunity to connect with a global group of professionals in biobanking through the ISBER Members-only Forum
- Discounted access to *Biopreservation and Biobanking* (BIO), ISBER's official journal
- Reduced registration rates to ISBER meetings

ISBER is the only global forum that addresses harmonization of scientific, technical, legal, and ethical issues relevant to repositories of biological and environmental specimens.

Connect to a global group of professionals in biobanking.

NEW ISBER MEMBERS RECEIVE 15% OFF THEIR FIRST-YEAR OF MEMBERSHIP!

READY TO JOIN?

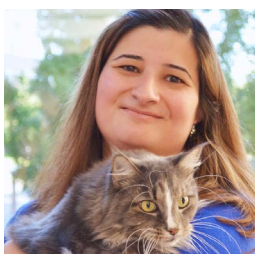
VISIT WWW.ISBER.ORG



ISBER AWARD RECIPIENTS

ISBER Award for Outstanding Achievement in Biobanking

The ISBER Award for Outstanding Achievement in Biobanking is designed to recognize individuals who have made outstanding, indisputable contributions to the field of biobanking. The winning individual is not required to be an ISBER member. Their contributions may include: advancing the science of biobanking, creating depth of knowledge, demonstrating world-class expertise, making remarkable discoveries, bringing the field into further prominence.



Marta Castelhana

Cornell University, USA

Award sponsored by Analytical Biological Services Inc.



ISBER Leadership Award

The ISBER Leadership Award is designed to honor ISBER members who have demonstrated exceptional leadership to further the mission and goals of the society and/or significant, long-standing contributions to the society. ISBER recognizes contributors who have played critical roles in developing and executing ISBER's vision and mission.



Diane McGarvey

University of Pennsylvania, USA

Award sponsored by MVE Biological Solutions



ISBER Special Services Awards

The ISBER Special Service Awards recognize individuals who have made exceptional contributions towards the goals of the Society through the performance of a special service or act on behalf of the organization.



Koh Furuta

Chiba Medical Center, Japan



Rocío Aguilar-Quesada

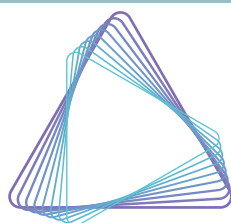
Biobanco del Sistema Sanitario Publico de Andalucia, Spain

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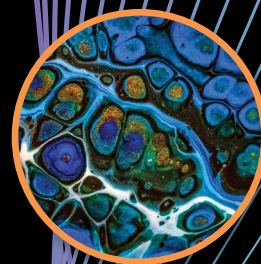
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GENERAL CONFERENCE INFORMATION

Virtual Meeting Platform

The ISBER 2024 Virtual Annual Meeting is delivered through the virtual meeting platform, Phedloop. You may log into the platform to:



**ENGAGE IN LIVE WORKSHOPS
AND LIVE ROUNDTABLE
DISCUSSIONS**



**WATCH RECORDED SESSIONS
ON-DEMAND**



**ACCESS POSTERS AND DISCUSS
WITH AUTHORS**



**VISIT EXHIBITORS AND BROADEN
YOUR KNOWLEDGE**



**NETWORK WITH INDUSTRY
LEADERS AND PEERS**

Exhibits & Posters

The Exhibit Hall and Poster Gallery are available for you to peruse at your leisure. Exhibitors and poster presenters will be available within their virtual booths / at their virtual posters to answer your questions at the following times:

TUESDAY, MAY 28:

PST	EST	Central Europe/ South Africa	China Standard	Australia
2:30pm – 3:30pm	5:30pm – 6:30pm	11:30pm – 12:30am	5:30am – 6:30am	7:30am – 8:30am

WEDNESDAY, MAY 29:

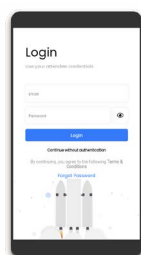
PST	EST	Central Europe/ South Africa	China Standard	Australia
9:00am – 10:00am	12:00pm – 1:00pm	6:00pm – 7:00pm	12:00am – 1:00am	2:00am – 3:00am

Poster Presentation Information

All abstract posters are available for you to view within the virtual platform – this includes all posters that were presented in Melbourne, Australia, and those that are being presented virtually only.

Follow the instructions below to download the Meeting Platform:

1. Scan the below QR code with your mobile camera
2. Select "Access Virtual Web Portal"
3. Log in using the login information sent to you via email
 - a. Username: your email address (be sure to login using the same email address you used to register for the meeting.)
 - b. Password: use "forgot password" to set your password



Engage with Industry Leaders, Poster Authors, and Peers

Through the virtual platform, there are many options to connect with other virtual delegates:

- Send a private message
- Join a video call
- Request information to exhibitors
- Join live presentations from exhibitors

The networking section allows to filter your search and start conversation by:

- Replying to the matchmaking survey, to be matched with peers of similar interests
- Connecting with those "Online Now"
- Searching for "Poster Presenters", "Workshop Presenters", and "Exhibitors"
- Starting group discussions

If a delegate is online, their picture will be circled in green: "Start chat" and connect live!



Scan the QR code to make the most of your virtual meeting:



Certificates of Attendance

All attendees will receive a certificate of attendance electronically upon completing the post-conference delegate evaluation. Distributed via email following the meeting.

LIVE PROGRAM

TUESDAY, MAY 28, 2024 / WEDNESDAY, MAY 29, 2024	
6:00am – 6:30am NA Pacific 9:00am – 9:30am NA Eastern 3:00pm – 3:30pm Central Europe 9:00pm – 9:30pm China Standard 11:00pm – 11:30pm Australian Eastern	ISBER 2024 – WELCOME
	Live Welcome Address from the ISBER Past President <i>Alison Parry-Jones, Wales Cancer Bank – Cardiff University South Glamorgan, United Kingdom</i>
	Featured Video Entitled “Celebration of the 25th Anniversary of ISBER: Honoring Our Past & Envisioning Our Bright Future” <i>ISBER President, Dayong Gao, University of Washington, USA</i>
	Live Welcome Remarks from the 2024 Annual Meeting Program Chairs <i>Cassandra Griffin, University of Newcastle – NSW Regional Biospecimen Services, Australia</i> <i>Gregory Grossman, Advancing Sight Network, USA</i> <i>Amanda Moors, National Institute of Standards and Technology, USA</i>
6:30am – 7:00am NA Pacific 9:30am – 10:00am NA Eastern 3:30pm – 4:00pm Central Europe 9:30pm – 10:00pm China Standard 11:30pm – 12:00am Australian Eastern	Short break
7:00am – 8:00am NA Pacific 10:00am – 11:00am NA Eastern 4:00pm – 5:00pm Central Europe 10:00pm – 11:00pm China Standard 12:00am – 1:00am Australian Eastern	ROUNDTABLE DISCUSSIONS
	ISBER Mentoring Program <i>Lori Campbell, Analytical Biological Services, USA</i> <i>Marianne Henderson, National Cancer Institute, USA</i> <i>Judith Giri, Independent Consultant, USA</i> <i>Shonali Paul, CloudLIMS.com, USA</i>
	ISO20387 Systematic Review <i>Clare Allocca, National Institute of Standards & Technology, Maryland, USA</i>
	Elevating Biobanking: Crafting International Standards, Competencies, and Visibility through Education <i>Marta Ambrozewicz, Eastern Virginia Medical School Biorepository, USA</i> <i>Naghme Rastegar, University Health Network, Canada</i> <i>Tiiu Sildva, University Health Network, Canada</i>
	The ISBER/ASCP BOC Qualification in Biorepository Science (QBRs) Exam <i>Brent Schacter, CancerCare Manitoba/University of Manitoba, Canada</i>
8:00am – 8:30am NA Pacific 11:00am – 11:30am NA Eastern 5:00pm – 5:30pm Central Europe 11:00pm – 11:30pm China Standard 1:00am – 1:30am Australian Eastern	Participatory Bio Banking: What Does It Look Like? <i>Amrita Nanda, Aapti Institute, India</i>
	Short break

TUESDAY, MAY 28, 2024 / WEDNESDAY, MAY 29, 2024

8:30am – 10:30am NA Pacific 11:30am – 1:30pm NA Eastern 5:30pm – 7:30pm Central Europe 11:30pm – 1:30am China Standard 1:30am – 3:30am Australian Eastern	E&T WORKSHOP: CHARTING THE COURSE: INNOVATIONS IN BIOBANKING EDUCATION FOR THE FUTURE “Charting the Course: Innovations in Biobanking Education for the Future” is a dynamic workshop exploring the evolving world of biobanking. Participants delve into trends shaping the sector, laying the groundwork for understanding their impact on education. The workshop embraces technology, data management, and experiential learning, preparing the next generation of professionals. Engaging discussions, real-world case studies, and practical activities led by international experts enriches the experience. Addressing the fluid nature of biobanking, the workshop fosters collaboration through interactive sessions. This workshop empowers individuals to actively contribute to biobanking education transformation, shaping the sector’s future collaboratively. <i>Presenters:</i> Anna Michalska-Falkowska, Medical University of Bialystok, Poland Karine Sargsyan, Medical University of Graz, Austria, Cedars-Sinai Medical Center, California, USA
9:30am – 11:30am NA Pacific 12:30pm – 2:30pm NA Eastern 6:30pm – 8:30pm Central Europe 12:30am – 2:30am China Standard 2:30am – 4:30am Australian Eastern	E&T WORKSHOP: WHAT’S YOUR SHOE SIZE? A WORKSHOP ON ASSESSING ENVIRONMENTAL FOOTPRINT IN BIOREPOSITORY PRACTICES This workshop aims to foster awareness and provide practical guidance on integrating green biobanking practices within repositories. Participants will gain an understanding of green biobanking principles, learn practical information about environmentally sustainable strategies and implementation challenges. Attendees will also acquire knowledge of the tools available to conduct a preliminary assessment of carbon footprint in biobanking and engage in exercises to assess and mitigate their biobank’s environmental impact. <i>Presenters:</i> Naghmeh Rastegar, UHN Biospecimen Services, Canada Tiiu Sildva, UHN Biospecimen Services, Canada
10:30am – 12:30am NA Pacific 1:30pm – 3:30pm NA Eastern 7:30pm – 9:30pm Central Europe 1:30am – 3:30am China Standard 3:30am – 5:30am Australian Eastern	E&T WORKSHOP: BEYOND DREAMING: OVERCOMING PUBLICATION BARRIERS TO SUCCESSFUL, HIGH-QUALITY BIOBANKING MANUSCRIPTS AND SECTIONS Biobanking manuscripts can be rejected for a variety of reasons. These include inappropriate choice of a target journal, lack of innovation, poor writing, missing or unclear hypothesis, statistical and data issues, and statements or conclusions not supported by the data. Often, a manuscript may require several rounds of review to address peer reviewer comments. This workshop will help attendees identify the steps in the process and potential challenges to manuscript publication. It will also provide advice on writing a successful, high-quality manuscript for timely publication in Biopreservation & Biobanking (BIO) or other relevant journals. The process for organizing special features, sections, or issues of BIO will also be discussed. <i>Presenters:</i> Marianna Bledsoe, Biopreservation and Biobanking, Colorado Springs, USA Marianne Henderson, National Cancer Institute, USA Zisis Kozlakidis, IARC/WHO Lyon, France Amanda Rush, Menzies Centre for Health Policy and Economics, The University of Sydney, Australia (Video)

TUESDAY, MAY 28, 2024 / WEDNESDAY, MAY 29, 2024

12:30pm – 1:00pm NA Pacific 3:30pm – 4:00pm NA Eastern 9:30pm – 10:00pm Central Europe 3:30am – 4:00am China Standard 5:30am – 6:00am Australian Eastern	Short break	
1:00pm – 2:30pm NA Pacific 4:00pm – 5:30pm NA Eastern 10:00pm – 11:30pm Central Europe 4:00am – 5:30am China Standard 6:00am – 7:30am Australian Eastern	KEYNOTE LECTURE MODULE	
	13:00 – 14:00	<i>[Watch on demand]</i> KEYNOTE LECTURE: Bringing Back the Past to Protect our Future <i>Andrew Pask, The University of Melbourne, Australia</i>
	14:00 – 14:30	LIVE Q&A <i>with Andrew Pask, The University of Melbourne, Australia</i>
2:30pm – 3:30pm NA Pacific 5:30pm – 6:30pm NA Eastern 11:30pm – 12:30am Central Europe 5:30am – 6:30am China Standard 7:30am – 8:30am Australian Eastern	Visit Exhibitors	

WEDNESDAY, MAY 29, 2024 / THURSDAY, MAY 30, 2024

5:00am – 7:00am NA Pacific 8:00am – 10:00am NA Eastern 2:00pm – 4:00pm Central Europe 8:00pm – 10:00pm China Standard 10:00pm – 12:00am Australian Eastern	E&T WORKSHOP: ACHIEVING BIOLOGICAL MATERIAL QUALITY HARMONIZATION OUTCOMES	
	The reputation of a biobank can be built on a foundation of quality. The perception of quality interpretation can oscillate from biobank to biobank resulting in variable biological material outcomes. In this workshop, we will focus on quality requirements for biological materials and their lifecycle from pre-analytical through to post-analytical phases, bust quality control fears, discuss challenges, share our experience and offer practical approaches to how these quality requirements can be documented and used to build a compliant quality report per ISO Biobanking standard 20387:2018 <i>Presenters:</i> Monika Markovic Bordoski, Qatar Foundation, Qatar Eiman Al Khayat, Qatar Biobank, Qatar	

WEDNESDAY, MAY 29, 2024 / THURSDAY, MAY 30, 2024

7:00am – 8:00am NA Pacific 10:00am – 11:00am NA Eastern 4:00pm – 5:00pm Central Europe 10:00pm – 11:00pm China Standard 12:00am – 1:00am Australian Eastern	E&T WORKSHOP: THE FUTURE OF BIOBANKING: PARTICIPATORY GOVERNANCE In increasing global research, understanding of disease and potential improvements in health are accompanied by the reproduction and exacerbation of systemic inequities and biases. Biobanks can respond to such challenges by working with the impacted communities to demonstrate trustworthiness, maintain legitimacy, and ensure sustainability. Workshop attendees will engage with the discourse around participatory governance for building inclusive and just biobanks and draw from our research to co-create recommendations for operationalising context specific participatory methods reflecting human-centric values. <i>Presenters:</i> Nanda Amrita, Aapti Institute, India Rattanmeek Kaur, Aapti Institute, India Rachel Thompson, Nuffield Department of Medicine, University of Oxford, United Kingdom
9:00am – 10:00am NA Pacific 12:00pm – 1:00pm NA Eastern 6:00pm – 7:00pm Central Europe 12:00am – 1:00am China Standard 2:00am – 3:00am Australian Eastern	Visit Exhibitors
10:00am – 1:00pm NA Pacific 1:00pm – 4:00pm NA Eastern 7:00pm – 10:00pm Central Europe 1:00am – 4:00am China Standard 3:00am – 6:00am Australian Eastern	Break
1:00pm – 2:00pm NA Pacific 4:00pm – 5:00pm NA Eastern 10:00pm – 11:00pm Central Europe 4:00am – 5:00am China Standard 6:00am – 7:00am Australian Eastern	COMMUNITIES OF PRACTICE MEETING + AFFILIATES Are you interested in learning more about ISBER's Education & Training, Science Policy and Standards Communities of Practice? We invite all interested/affiliate members to join this session and learn more about the impactful work these CoPs do each year, meet the steering committees, and learn about opportunities to be involved.

WEDNESDAY, MAY 29, 2024 / THURSDAY, MAY 30, 2024

	ROUNDTABLE DISCUSSIONS
2:00pm – 3:00pm NA Pacific 5:00pm – 6:00pm NA Eastern 11:00pm – 12:00am Central Europe 5:00am – 6:00am China Standard 7:00am – 8:00am Australian Eastern	Ethical Principles for International Biospecimen and Data Sharing <i>Mark Barnes, Ropes & Gray LLP and the Mult-Regional Clinical Trials Center of Brigham and Women's Hospital and Harvard, USA</i> <i>Marianna Bledsoe, Biopreservation and Biobanking, USA</i> <i>Mayumi Kusunose, RIKEN Centre for Integrative Medical Sciences, Japan</i> <i>Rita Lawlor, ARC-NET Centre for Applied Research on Cancer and Department of Engineering for Innovative Medicine, University of Verona, Italy</i> <i>Annette Schmid, Takeda Pharmaceutical Company Limited, USA</i>
	Challenges and Solutions for Clinical Sites Engaged in Cancer Biobanking <i>Helen Moore, NCI/NIH BBRB, USA</i> <i>Helena Ellis, NCI/NIH, USA</i>
	Striking the Balance: Tissue Triage of Rare Diseases to Balance the Biospecimen Demands of Clinical Care, Molecular Trials and Discovery Research <i>Dan Catchpoole, Kids Research, The Children's Hospital at Westmead, Australia</i> <i>Louise Ludlow, Murdoch Children's Research Institute, Australia</i>
3:00pm – 4:00pm NA Pacific 6:00pm – 7:00pm NA Eastern 12:00am – 1:00am Central Europe 6:00am – 7:00am China Standard 8:00am – 9:00am Australian Eastern	Biobanking as an Informatics Problem <i>Dan Catchpoole, Kids Research, The Children's Hospital at Westmead, Westmead, NSW, Australia</i> <i>Hanh Vu, Vinmec Healthcare System, Vietnam</i>

ON DEMAND PROGRAM

Symposia

SYMPOSIUM 1: Biobanking and the Natural World – Impact and Offerings

Environmental biobanking, commonly known as Enviro-Bio, involves the collection, storage, and analysis of veterinary, botanical, agricultural and geological resources. These samples hold infinite research potential for the discovery of new compounds, conservation science, marine science food security, and public health. On the other side of the coin, in a world where global warming and climate change are ever-present concerns, the role that biobanking plays in affecting our natural environment is of growing concern, increasing the profile of topics such as decarbonisation and microplastic pollution. This session looks at the current state of Enviro-Bio biobanking and the opportunities it affords research and then examines associated barriers and challenges to provide a balanced view of the value and impact of biobanking. By stepping back and looking at environmental risk/benefit, we can work to move beyond the barriers posed by biobanking infrastructure and activities towards a productive and environmentally sustainable ‘one health’ approach.

KEYNOTE LECTURE: Bringing Back the Past to Protect our Future

Andrew Pask, The University of Melbourne, Australia

Ex situ Conservation of Australia’s Plant Biodiversity

David Merrit, Department of Biodiversity, Conservation and Attractions, Australia

The Role of Natural History Museums in Fighting the Illegal Wildlife Trade. Introducing ShellBank: A Global DNA Database for Marine Turtles

Greta Frankham, Australian Museum, Australia

Breakthroughs by Biobanking – Discovering Research Tools from Arthropod Venoms

Volker Herzig, University of Sunshine Coast, Australia

South Africa as a Megadiverse Country: Biodiversity Banking Benefits

Kim Labuschagne, South African National Biodiversity Institute, South Africa

When Plastic is not Fantastic: The Biobanking of Marine Debris as an Emerging Contaminant of Concern

Katherine Shaw, National Institute of Standards and Technology, USA

Driving to Net Zero in Biobanking- Best Practice Paths and Solutions

Scott Masiella, Trane Technologies, USA

SYMPOSIUM 2A: Transforming Biobanking and Research with AI: A New Era of Discovery and Innovation

Artificial Intelligence (AI), including large language models (LLM) and machine learning (ML), neural networks, and deep learning are transforming biobanking and biospecimen science by enabling new possibilities for medical research and drug development. AI can also help biobanks integrate genomic data with existing health information and provide a way of understanding the impact of genetic variation on human and animal health. Integration of environmental data through AI will help us learn the various causes of regional stresses (fires, extinctions, drought, etc.). Using techniques to derive simulated or synthetic data offers researchers several benefits, such as the ability to test hypotheses, evaluate algorithms, and conduct experiments in controlled environments. Simulations allow for the exploration of complex scenarios that might be costly, unethical, or impractical to generate in real life. They also facilitate rapid iteration and fine-tuning of experimental setups, enabling researchers to gain insights more efficiently and rapidly. Blockchain has been proposed to provide data security and privacy protections. The symposium will explore all these topics and include an interactive discussion with the speakers and audience participation. It will also discuss ethical risks, bias, lack of democratization, and transparency with these technologies.

Introduction

Dan Catchpoole, The Children’s Hospital at Westmead, Australia

From Sample to Cloud: How Digitisation and AI Can Unlock New Value of Biobanks

Stefan Harrer, CSIRO, Australia

The AI Revolution in Life Sciences: From Interacting Molecules to Public Health Modeling

Jerome Baudry, The University of Alabama in Huntsville, USA

Developing Computational Pathology Approaches from Biobanked Breast Cancer Specimens (Video)

Gavin Harris, Health New Zealand, New Zealand

An Introduction to Blockchain Biobanking and Decentralized AI

Caspar Barnes, AminoChain, USA

Demystifying AI Ethics: Why Transparency, Accountability, Equity and Inclusion Matter in Enabling AI Innovation

Jeannie Marie Patterson, University of Melbourne, Australia

Panel Discussion & Closing Remarks

SYMPOSIUM 2B: A BioBank Blueprint: Human-Centered Design & Improvement

Human factor engineering is an applied field of study that examines human abilities, limitations, behaviours, and processes in order to inform human-centered designs. The study of human factors can be applied to processes in any organization, influencing infrastructure development and structural designs. Biobanks are organized infrastructures, many with common human-centred processes including enrolling patients through informed consent, obtaining bio-specimens from patient donors evaluating the outcomes of researcher projects and determining the impact of biobanks. Whatever the goal, biobanking workflows epitomize a complex interplay of various processes requiring different human skillsets – yet the value of human factors and process design remain as a peripheral influence. Additionally, within busy institutions – hospitals, research centers, universities – biobanks often struggle to be noticed and are seldom consulted early during research initiatives. Raising awareness of biobanks through engagement with different stakeholders (aka humans!) finding mutual benefit and consensus is therefore increasingly crucial. This symposium will explore the interplay between biobanks and those actors within an expansive biobanking community, drawing attention to the power of human factors research to enhance success. Furthermore, welcoming cross-pollination of ideas and building a strong change growth mindset can expand organizational success.

Introductions

Samantha Higgins, Victorian Cancer Biobank, Australia

How Innovation and Design can Support the Creation of Better Services, Strategies and Ecosystems for Biobanking

Alex Garrett, NSW Health Pathology, Australia

Digital Change: The When, How, What Not and Benefits

Gerry McKiernan, Increment4 Pty Ltd, Australia

Spatial Multi-Omics Analyses Reveal Markers of Disease Progression in Non-Small Cell Lung Cancer

Marie-Liesse Asselin-Labat, Walter and Eliza Hall Institute of Medical Research, Australia

Unlocking Potential: A Social Engineering Approach to Biobank Awareness in India

Birendra Kumar-Yadav, Biobank India Foundation (BBIF), India

Cultivating Trust for Advancement of Biobanking in LMICs

Hanh Vu, Vinmec Healthcare System, Vietnam

Challenges in Cancer Biobanking – A Lived Experience Perspective

Naveena Nekkalapudi, Consumer Representative, Australia

SYMPOSIUM 3A: The Power of Biobanks in the Era of Precision Medicine

In an era marked by astounding advancements in medical science, biobanking is enabling the practices of precision medicine and overcoming its challenges, and this convergence has emerged as a transformative force in healthcare. Biobanks are revolutionizing patient care by enabling tailored treatments, predictive diagnostics, and breakthrough therapies through engagement with clinical teams in the pharmaceutical industry, with biotech, with living biobanks, and in data management. Recent advances in the field, such as organoids and novel cell technologies or new data-mining techniques, allow for the democratization of precision medicine, leading to individualized healthcare to become the norm in the near future. Indeed, good biobanks create opportunities to pose new hypotheses, are essential to elucidate the mechanisms of diseases, and enable scientific discoveries to be made possible through facilitated access to biospecimens. High standards and best practices of biobanking are the first steps for successful precision medicine clinical trials. Ultimately, biobanking creates the link between the patients themselves and the ability to deliver precision medicine. This symposium will explore the dynamic interplay between biobanking and personalized medicine by bringing together experts who have developed best practices for managing biobanks to support precision medicine, presenting the latest success stories.

Introductions

Yan Ru Su, Vanderbilt University Medical Center, USA

Patient-Directed Biobanking to Power Precision Oncology

Marshall Thompson, The Rare Cancer Research Foundation, USA

Intersecting Biobanking with a Multi-Omics Systems Biology Approach to Understand Vascular Disease: The DEFINE FMD Study

Jason Kovacic, Victor Chang Cardiac Research Institute, Australia

Brain Banking – Three Decades On

Anita Mahadevan, National Institute of Mental Health & Neurosciences, India

Biobanking as Part of a Personalised Medicine Service in Vietnam

Xuan-Hung Nguyen, Hi-Tech Center, Vinmec Healthcare System, Vietnam

Solving Tomorrow's Food Crisis Today: The Role of Bio-banking in Cultured Meat

Victoria Prior, Vow, Australia

Unlocking the Potential: Exploring the Synergy of Phage Bioprospecting, Biobanking, and Phage Therapy in the Era of Precision Medicine

Ruby Lin, The Westmead Institute for Medical Research, Australia

SYMPOSIUM 3B: The Power of Specimen and Data Banking – DNA the Hidden Gem!

Going back to basics. There are numerous areas of Biobanking where DNA has been and will continue to be the key contributor. DNA and DNA databases have helped diversify the field of Biobanking by including ground breaking discoveries in areas such as human, veterinary, marine, zoological and environmental research. Underpinning the access and use of DNA for wide ranging research protocols is the central precept of consent. Consent takes many forms and raises a multitude of ethical considerations relative to the nature of DNA collection and analysis undertaken. In this session we will explore the use of DNA in major crime investigation including missing persons and cold cases. We'll then consider the parallels and variations of environmental surveillance including key concepts from native animal species and waste water surveillance, concluding by discussing key concepts of consent relevant to each and novel approaches being considered to address the unique ethical and legal components.

Introductions

Georget Reaiche-Miller, The University of Adelaide, Australia & Anusha Hettiaratchi, University of New South Wales, Australia

Impulsive Behaviour – Special Considerations for the Study of Sensitive Populations Outside of the Normal Health Care Environment

Rodney Scott, University of Newcastle, Australia

DNA – Identifying the Unidentified (Video)

Louise Newell, National Crime Agency, United Kingdom

Human Genetic Research in Wallacea and Sahul

Gludhug Purnomo, Australian Centre for Ancient DNA, Australia

Opportunistic Sampling and Citizen Science Enables Research and Conservation in Egg-laying Mammals

Frank Grutzner, The University of Adelaide, Australia

Wastewater Banking: Proof of Concept as an Archival Record of Population-Level Infectious Disease Prevalence

Masaaki Kitajima, Hokkaido University, Japan

Wastewater Based Epidemiology and ELSI

Ayuko Nemoto, Aquaxis Law Office, Japan

SYMPOSIUM 4: Rising Stars: Next Generation Biobankers

The Rising Stars: Next Generation Biobankers session's focus is to showcase upcoming stars and/or early biobanks and their achievements in biobanking (technology, organization, data management, etc.). The speakers will highlight their milestones, achievements, advancements in new biobanking techniques along with the challenges and barriers they overcame to establish their biobanks. The session will conclude with a panel discussion to allow the audience the opportunity to ask questions. This session can provide opportunities to network with more seasoned biobankers, encourage mentoring, and provide possible partner collaborations.

Introductions

Sandra Nanyonga, Universite Cote D'Azur, France

The MRC/UVRI and LSHTM biobank; the Past, Present and the Future

Esther Nabanoba, Medical Research Council-Uganda, Uganda

Benchmark for Establishment of Organoids from Gastrointestinal Epithelium and Cancer

Yingyan Yu, Ruijin Hospital, Shanghai Jiaotong University School of Medicine, China

Strengthening Biobanks Development in Developing Countries

Io Hong "Jacky" Cheong, School of Public Health, Shanghai Jiao Tong University School of Medicine, China

Human Repository: A Malaysian's Panorama

Subasri Armon, Hospital Kuala Lumpur, Malaysia

Corporate Workshops

Corporate Workshop #1 by ThermoFisher Scientific

End-to-End Digital Solution for the Complete Biological Sample Workflow (A LIMS Purpose-Built for Biobanks)

Effat Selim, Digital Science Solutions, ANZ, Australia



Corporate Workshop #2 by MVE Biological Solutions

Navigating Challenges: Innovative Approaches to Storage and Shipping of Biological Samples in Remote and Resource-Limited Environments

Buzz Bies, MVE Biological Solutions, USA



Corporate Workshop #3 by Azenta Life Sciences

Mastering Sample Management with Limfinity Biobanking LIMS

Kathi Shea, Azenta Life Sciences, USA, Scott Baker, Azenta Life Sciences, USA, Richard Peck, Azenta Life Sciences, United Kingdom



Corporate Workshop #4 by Olink Proteomics

Olink® Explore Data Stories from UK Biobank Pharma Proteomics Project: Transform biobank samples into actionable insights

*Cindy Lawley, Olink Proteomics, USA
 Slavé Petrovski, AstraZeneca, United Kingdom
 Brenton Short, Olink Proteomics, Australia*



Contributed Paper Sessions

Innovative Technology Papers

Co-Chairs: Marianne Henderson, National Cancer Institute, USA & Anna Michalska-Falkowska, Medical University of Bialystok, Poland; Medical University of Graz, Austria

Novel Dry Technology for Stabilization and Room Temperature Storage of Tissue Sections for Genomic Studies

Pablo Peñalosa, 300K Solutions, Spain

Leveraging Biobanks for Identifying Pan-Cancer Proteomic Signatures using Next-Generation Sequencing as a Read-Out

Cindy Lawley, Olink Proteomics, Canada

Proteomics as a Bridge Between Genomics and Human Health: Adding Value to Pharma Initiatives in Large Population Biobanks

Cindy Lawley, Olink Proteomics, USA

Ambient Temperature Preservation of Human FFPE Tumor-Derived Nucleic Acids with Encapsulation Technology

Lee Organick, Cache DNA, USA & Farnoosh Abbas Aghababazabeh, University Health Network, Canada

Contributed Paper Session 1

Co-Chairs: Louise Ludlow, Murdoch Children's Research Institute, Australia & Lori Campbell, Analytical Biological Services, USA

Incorporating Digital Pathology into Routine Pathology and Biobank Operations: A Bridge to Enhanced Biomedical Research and Precision Medicine

Anna Michalska-Falkowska, Medical University of Bialystok, Poland; Medical University of Graz, Austria

Frozen Tissue Microarray (TMA) of Desmoplastic Small Round Cell Tumor (DSRCT): Innovation in TMA Technology

Umesh Bhanot, Memorial Sloan Kettering Cancer Center, USA

South Africa's Hidden Treasure: A National Fish Collection and Linked Aquatic Biobank

Seshnee Reddy, South African Institute for Aquatic Biodiversity, South Africa

Working with Clinicians to Return Research Results from the Laboratory to the Clinic – the Role of the Biobank

Catherine Kennedy, Westmead Hospital, Westmead Institute for Medical Research, Australia

Evaluation of Semen Characteristics of Common Quail (*Coturnix coturnix*) for its Potential for Biobanking

Bushra Rakha, PMAS-Arid Agriculture University Rawalpindi, Pakistan

The Necessity of SOP Regarding Translation of ISBER Best Practice into Other Languages

Kazuyuki Matsushita, Chiba University Hospital, Japan

Contributed Paper Session 2

Co-Chairs: Deb Leiolani Garcia, Independent Consultant, USA & Katherine Woods, St Vincent's Institute / National Serology Reference Lab, Australia

Accurate Authentication of Freeze-Dried-Conserved Bacteria by MALDI-TOF MS can be Achieved Without Prior Culturing

Mariana Ferrari, Pasteur Institute, France

Australian Donation and Transplantation Biobank: A Research Biobank Integrated Within a Deceased Organ and Tissue Donation Program

Claire Gordon, Austin Health; The University of Melbourne Department of Microbiology and Immunology, Australia

Fostering Diverse Research Applications: Establishing an Imaging Repository for the International Spinal Cord Injury Biobank

Adam Velenosi, International Collaboration on Repair Discoveries (ICORD), University of British Columbia; Praxis Spinal Cord Institute, Canada

Automation in Biobanking: Challenges and Achievements at the NSW Health Statewide Biobank

Beth Caruana, New South Wales Health Pathology, Australia

Sporadic ALS Australia Systems Genomics Consortium: SALSA-SGC

Anjali Henders, The University of Queensland, Australia

Quality Assessment Tools Developed to Evaluate Collection, Cryopreservation, Revitalization, and Downstream Applications of Musculoskeletal Biospecimens in the CURE Biobank

Ruth McCarrick-Walmsley, University of Colorado Anschutz Medical Campus, USA

Contributed Paper Session 3

Co-Chairs: Anusha Hettiaratchi, University of New South Wales, Australia & Yan Ru Su, Vanderbilt University Medical Center, USA

Modern Cancer Biobanking: More Than Just Preserving Tumour Tissue

Rebecca Ormsby, Flinders University, Australia

Perceptions of Brain Donation for Research in Australia

Julia Stevens, The University of Sydney Faculty of Medicine and Health, Australia

Biobanks: Fueling the Multi-Omics-Based Practice of Personalised Oncomedicine and Cancer Biomarker Discovery

Abhishek Mohanty, HealthCare Global Enterprises Ltd, India

The Children's Cancer Centre Biobank – 10 Years of Meaningful Impact

Louise Ludlow, Murdoch Children's Research Institute, Australia

Contributed Paper Session 4

Co-Chairs: Sandra Nanyonga, Universite Cote D'Azur, France & Lori Campbell, Analytical Biological Services, USA

Rare Disease Capacity Building in Africa

Engela Conradie, North-West University, South Africa

Communal Ethics And Ubuntu – Thinking Outside the Individual Box

Elizabeth Mayne, University of Cape Town Faculty of Health Sciences; National Health Laboratory Service, South Africa

It Takes a Village: Planning for Biobank Automation from Tube to Downstream Assay

Marianne Henderson, Division of Cancer Epidemiology and Genetics, National Cancer Institute, USA

Establishing QC Scientific Testing Program to determine Fit-For-Purpose of Long-Term Stored Samples across a Consortium of Five Tissue Banks

Milon Pang, Cancer Council Victoria, Australia

Key ISBER Sessions

Getting to Know ISBER

Engela Conradie, Centre for Human Metabolics Potchefstroom, South Africa
William Schleif, Johns Hopkins All Children's Pediatric Biorepository, Florida, USA

25th Anniversary of ISBER – Part 1

Chair: Alison Parry-Jones, Wales Cancer Bank – Cardiff University South Glamorgan, United Kingdom

'25 for 25'

Alison Parry-Jones, Wales Cancer Bank - Cardiff University South Glamorgan, United Kingdom

Past President from the first 10 years of ISBER

Marianna Bledsoe, Biopreservation and Biobanking, Colorado Springs, USA

Past President from the last 10 years of ISBER

Dan Catchpoole, The Children's Hospital at Westmead, Australia

Presenters:

Naghme Rastegar, UHN Biospecimen Services, Canada

Tiiu Sildva, UHN Biospecimen Services, Canada

25th Anniversary of ISBER – Part 2 & Closing Remarks • Presentation of ISBER 2025

Featured Video entitled "Celebration of the 25th Anniversary of ISBER: honoring our past & envisioning our bright future"

Incoming ISBER President, Dayong Gao, University of Washington, USA

Introducing ISBER Leadership Members and ISBER (MMI) Executive Director, Managers, and Staff

ISBER Executive Director Presentation, Dana Cooper

Incoming ISBER President-Elect Presentation

Announcing the 2025 ISBER Annual Meeting and the Closing Remarks

Dayong Gao, University of Washington, USA

Biobanking Mastery: Insights from ISBER's Latest Best Practices

Embark on a journey of repository mastery as we explore "Insights from ISBER's Latest Best Practices." Join us as we navigate through the wealth of insights encapsulated in the 5th Edition of "ISBER Best Practices: Recommendations for Repositories". This comprehensive compendium is designed to be used by all types of biobanks around the world, providing clear guidance on how to recognize and fulfill responsibilities with respect to specimens and data. The presentation unveils distinctive features and invaluable guidance within the latest edition, offering keys to elevate your repository's planning, operations and management with an overall aim of resilience in mind. Discover how to optimize processes and unlock the treasures of ISBER's authoritative resource. You're invited to download this valuable guide from the ISBER website and chart your course toward repository excellence.

Presenters:

Emma Snapes, BioConsulting; Editor-In-Chief, ISBER Best Practices 5th Edition with members of the Editorial Board

Gregory Grossman, Advancing Sight Network, USA

Global Partnerships Session: Global Collective Solutions to Challenges in Biobanking

In this session, representatives from an array of global biobanking organizations will look forward into the future possibilities for biobanking. Following an aspirational introductory presentation, panel members will present their organizations' perspectives and participate in a panel discussion, involving a Q&A from the audience, to identify common approaches towards global collective solutions to realize these visions.

Future of Biobanking

Cassandra Griffin, University of Newcastle - NSW Regional Biospecimen Services, Australia

Gregory Grossman, Advancing Sight Network, USA

Amanda Moors, National Institute of Standards and Technology, USA

Panel Organizations

Australasian Biospecimen Network Association (ABNA) - Georget Reaiche-Miller, The University of Adelaide, Australia

Australian & New Zealand Childrens Haematology/Oncology Group Biobanking Network (ANZCHOG-BN) - Louise Ludlow, Murdoch Children's Research Institute, Australia

Australian Seed Bank Partnership - David Merritt, Department of Biodiversity, Conservation and Attractions, Australia

Biobank India Foundation (BBIF) - Birendra Kumar-Yadav, Biobank India Foundation (BBIF), India

China National GeneBank (CNGB) - Jason Chen, China National GeneBank, China

Council for Industrial use of Biological and Environmental Repositories (CIBER) - Hiroki Nakae, Council for Industrial User of Biological and

Environmental Repositories (CIBER), Japan & Junko Ikeda, Council for Industrial User of Biological and Environmental Repositories (CIBER), Japan

Global Genome Biodiversity Network (GGBN) - Kim Labuschagne, South African National Biodiversity Institute, South Africa

POSTER SESSIONS

Poster #	Abstract Title	Presenter
PA-01	Metrological Traceability In ISO 20387:2018 And Accreditation Programs	Cory Arant
PA-02	Plasma Collection Centrifugation Temperature of EDTA Tubes for Optimal Plasma Yield for cfMeDIP-seq	Kaethe Leonard
PA-03	Leveraging the Capabilities of a Global Integrated Analytical Biorepository in Support of Cancer Immunotherapy: The SAMPLED Vector Copy Number Assay	Azadeh Jadali
PA-04	NCI's Biospecimen Evidence-Based Practices for Analysis of Cell-Free miRNA in Blood Specimens	Helen Moore
PA-05	Establishing a Proficiency Testing Program for the Quality Control of Human Biosamples in the National Biobank of Korea	Hye Ryun Kim
PA-06	Current Status and Support KS J ISO 20387(General Requirements for Biobanking) in South Korea	Kyoungsoo Ha
PB-01	The Journey of Establishing the Westmead Biobank	Karena Pryce
PB-02	Navigating the Biobank Odyssey: Evolution of Cancer Repository at RGCIRC, India	Deepak Sharma
PB-03	The CDC and FDA Antimicrobial Resistance Isolate Bank: A Freely, Available Resource to Combat the Threat of Antimicrobial Resistance	Maria Machado
PB-04	Creation of a Heart Institute Biorepository (HIBR)	Lindsay Fist
PB-05	PARANOMICS– Discovering the Economy of Parasites and Developing Parasite Biobank in Bangladesh	Tilak Chandra Nath
PB-07	TBRI Biobank for Liver Diseases: Research Translation and Precision Medicine in Hepatology	Iman El-ahwany
PB-08	Joint Efforts to Establish a Future-proof Pediatric Oncology Biobank in Hungary - The SCOPEDIS Biobank Story	Eszter Tuboly
PB-09	Abnormal ECG Associated with T2D and CVD Conditions at Qatar Biobank Population	Fatima Qafoud
PB-10	Familial Atrial Fibrillation (AF) Cohort Study: Middle East Population-specific Gene Variants	Fatima Qafoud
PB-11	Maximizing the Potential of Biorepositories in Clinical Trials: A Collaborative Model	Gouri Mahajan
PB-12	The National Serology Reference Laboratory Plasma Sample Repository	Katherine Woods
PB-13	Cedars-Sinai Cancer's OncoBiobank Shared Resource: A New Tool for Cancer-Based Research	Karine Sargsyan
PC-01	Beyond the Bank: A Collaborative Model for Research Project and Clinical Trial Processing	Angela Mountain
PC-02	Biobank Network Development for Female Breast & Genital Disease Supporting Microbiome Studies	Eun-Young Kim
PC-03	Prospective Procurement – A Research Model Since 1987 for The Cooperative Human Tissue Network (CHTN) and the Midwestern Division	Randal Mandt
PC-04	Importance of Biobanking Networks for Diversity of Specimens, Sustainability and Community Support	Maci DeBoer
PC-05	Adapting to an Evolving Healthcare Service: Importance of Agility to Avoid a Biobank Steering off Course	Jhoseph Marquez
PC-06	Evolution of a Network to Support Australasia Biobanking	Georget Reaiche-Miller
PC-07	Implementation of Pediatric Biobank in Upper Egypt and its Challenges	Marwa Saady
PC-08	Importance and Challenges in Implementing a Familial Cancer Biobank in Upper Egypt	Rehab Ahmed
PC-11	Empowering Biomedical Research in Brazil: Implementation of the Fiocruz Biobank Network	Daiane Sertorio
PC-12	Benefits of Long-Term Collaboration Between a Biobank and Academic and Commercial Clients	Susan Hume
PC-13	Spanish National Brain Metastasis Network (RENACER): A Multidisciplinary Approach for the Generation of a "Living" Brain Metastasis Cohort	Eva Ortega
PD-01	Veterinary Biorepository: Significance Of Standardization, Biosafety, Biosecurity, And Data Management.	Puseletso Johnston
PD-02	LARRRC, the First Biobank Acquired the KS J ISO 20387 Accreditation (Animal Filed) in Korea	Se-Hee Choe
PE-01	<i>Moringa oleifera</i> Leaf Extract as an Alternative to Antibiotics for Buffalo Semen Cryopreservation	Shamim Akhter
PE-02	Evaluation of the Quality of SARS-CoV-2-Positive Nasopharyngeal Samples Stored in Liquid Nitrogen at the Biobank (Pasteur Institute of Co'te d'Ivoire)	Rita Bouagnon
PE-03	Quantitative PCR-based Method for Assessing the Quality of Plasma DNA Using Single- And Multi-copy Reference Genes	Ja-Young Lee
PE-04	Preservation of Functionality, Immunophenotype and Recovery of HIV RNA from PBMCs Cryopreserved for more than 20 years.	Kate Merlin
PE-05	Early Life Nutrition Factors And Risk Of Acute Leukemia In Children: Systematic Review And Meta-Analysis	Kouame Kintossou
PE-06	Trehalose Cryopreservation of Human Mesenchymal Stem Cells from Cord Tissue	Rocio Aguilar-Quesada
PE-07	Phosphatidylethanol in a Postmortem Human Brain Bank Cohort	Caine Smith
PE-08	Double Chromogen-Based Immunohistochemical Staining: An Efficient Approach For Utilising Extended Formalin-Fixed Tissue Storage In Biobanks.	Dhiraj Maskey

Poster #	Abstract Title	Presenter
PE-09	Revising Freezing Method and Cryoprotectant Agents for Optimised Brain Tissue Quality	Mario Novelli
PE-10	Understanding the Experiences of Next of Kin Who Have Supported a Loved One with Brain Cancer to Donate Their Brain Post-Mortem	Cassandra Griffin
PE-11	A Deeper Dive into Challenges Facing DNA Analysis in Human Urine in Context of Preanalytical Factors	Abhi Rao
PE-12	Large-Scale Identity Testing of Human Biosamples for Biobanking	Hye Ryun Kim
PE-13	Quality Assessment of Human Blood Samples Stored for long term in Biobank	Aisha Moahamed
PE-14	The Nngwe Project and Biobanking: an Initiative that Translates to Patient Care	Albe Swanepoel
PE-15	In Pursuit Of Perfect Prostate Cancer Procurement: A Biobank's Journey	Cameron Brown
PE-16	The Future of Brain Banking	Greg Sutherland
PE-17	Gut and Oral Microbiome Sample Collection in the Cancer Prevention Study-3 Cohort	Cari Lichtman
PE-18	TP53 R248L in Head and Neck Squamous Cell Carcinomas: Absolute Quantification of DNA from Formalin-fixed Paraffin-embedded Samples using dPCR	Sharmeela Kaushal
PE-19	Biobanking Challenge: The Critical Evaluation of Potentially Valuable Archival Dried Blood Spot (DBS) Collections from Uganda	Rongzhen Zhang
PE-20	Nucleic Acids Storage at Different Temperature Range and Different Storage Solutions	Timothy Moshoma
PF-01	Bridging the Gap: Biobanking's Vital Role in Advancing Clinical Studies	Karena Pryce
PF-02	Role of Biobank Infrastructures in Developing and Validating Bio-Detection Systems	Mariana Ferrari
PF-03	The Unique Role of Scientific Collections: Infrastructure Generating Benefits, Serving Diverse Agency Missions	Marianne Henderson
PF-04	Global Health Emergencies Foster the Evolution of Biological Research Centers	Rebecca Bradford
PG-02	Barriers to Cancer Research Participation Among New Mainers	Anne Breggia
PG-03	Impact of COVID-19 Pandemic on Willingness to Participate in the McCain GU Biobank	Naghme Rastegar/ Tiiu Sildva
PG-04	Shaping the Future of Biobanking in Ukraine: from Challenges to Roadmap	Oksana Sulaieva
PG-05	Evaluating Deficiencies of Tissue Bank Consent Taking and Documentation	Bee Yong Soh
PG-06	Enrollment and Patient Preferences in Participation in a Pediatric Ophthalmology Biobank	Roxanne Noronha
PG-07	Geospatial Biobank Mapping to Showcase the Specimen Story	William Schleif
PG-08	Development of a Framework to Ethically Assess the Governance and Operations of a National, Multisite Biobanking Infrastructure	Anne Costello
PH-01	Pediatric Collections in Biobanks: Current Challenges to Bring Advances in Personalized Medicine into Pediatric Medical Care	Tatiana Córdoba
PH-02	Enhancing Biosafety in SARS-CoV-2 Research: Immunoassay-Compatible Inactivation of Plasma Samples for Safe and Reliable Protein Biomarker Measurement	Jenny Chong
PH-04	Potential Value of Biobanking in Waste Water Epidemiology	Koh Furuta
PH-05	Decarbonization in Biobanking	Koh Furuta
PH-06	AI-CBB: Exploring the Necessity and Feasibility of AI Coupled in Biobanking	Weiye Wang
PH-07	A Collaborative Virtual Biobank for Infectious Disease Research	Miranda Smith
PH-08	Sampling for Body Clock Dysfunction in Mood Disorders	Leanne Wallace
PH-09	Biohoarding in Indian Biobanks –Navigating Challenges, Forging Solutions	Juhi Tayal
PH-10	Establishing the United Kingdom Health Security Agency (UKHSA) COVID-19 Biobank for Global Scientific Access	Samantha Cutler
PH-11	Everything Old Is New Again: Renewed Demand for Formalin-Fixed, Paraffin-Embedded Tissue	Megan Griffin
PH-12	Establishing a Fresh Surgical Surplus Diversion Workflow for Patient-Derived Organoids in Primary and Metastatic Neuroendocrine Neoplasms	August Lin
PH-13	Decarbonization, Sustainability, and Efficiency: Is A Green and Cost-Effective Biorepository Possible?	Sam Jeffrey
PH-14	Using Big Data From Biobanks to Bring Precision Medicine	Daniel Kelly
PH-15	The CU Regenerative Medicine Biobank (CURE Bank): A Novel Concept to Address Challenges to Offsite Collection of Surgical Tissues	Ruth Mccarrick-Walmsley
PI-01	The SKMCH&RC Biobank: a Clinico-Biological Database of Cancer Patients from Pakistan	Kashif Asghar
PI-02	GenV: A Population-Representative Birth Mega Cohort with Matched Breastmilk and Infant Stool Samples	Yeukai Mangwiro-Budahazy
PI-03	Creation of a Pediatric Brain Tumor Biobank: Utilization and Modernization of Data Collection	Kaethe Leonard

Poster #	Abstract Title	Presenter
PI-04	Next Gen Biobanking - An Indian model: Integrating Human Biological Samples With Digital Pathology, R&D and Computational Biology.	Shaji Ayillath Keezhadath
PI-05	Generation Victoria: A Population-wide, Representative Pregnancy and Childhood Biobank in Victoria, Australia	Kim Powell
PI-06	Human Studies Unit – A Collaborative-Services Approach for Human Research	Leanne Wallace
PI-07	Quality Assessment of Fresh Frozen Cancer Tissues Stored at Shaukat Khanum Memorial Cancer Hospital and Research Centre Biobank	Kashif Asghar
PI-08	kConFab – 26 Years of Biobanking and Participant Notification of Clinically Significant Mutations	Heather Thorne
PI-09	Rapid Autopsy Programs Driving Research Toward Better Therapy	Lisa Devereux
PJ-01	Exploring Perspectives to Facilitate Communication between Donors and Biomedical Research Biobanks: A Qualitative Study	Pedro Ferro
PJ-02	Real-Time Informatics Approaches to Enhance Utilization and Effectiveness of Institutional Biorepositories	Wade Schulz
PK-01	Novel Dry Technology for Stabilization and Room Temperature Storage of Whole PB Samples	Pablo Peñalosa
PK-03	Using the ACT Label to Make Sustainable Laboratory Equipment Purchases	Karam Bell
PK-04	Data Standards and Harmonization to Facilitate Data Sharing from Cancer Moonshot Biobank	Ping Guan
PL-01	Optimization of Buffy Coat Removal Using Automated Liquid Handling Systems	Ching Po Chow
PL-02	Generation Victoria's Automated High Throughput Biosample Processing	Kim Powell
PL-03	Automation of Liquid Nitrogen Freezer for Cryopreservation of Human Biospecimens	Sharmeela Kaushal
PM-01	The Mathison Centre Neurogenetics Biobank and Advancing in Precision Mental Health	S-M Shaheen
PM-02	Developments In A Local Human Research Biobanking Operation in Louisville, Kentucky	Israel Sithu
PM-03	Four Pillars of Ukrainian Biobank Resilience During Wartime	Oksana Sulaieva
PM-05	Evaluation of Turn Around Time (TAT) for Issuance of Biospecimens: An Experience of National Tumour Tissue Repository, Tata Memorial Centre, Mumbai, India	Sangeeta Desai
PM-06	A Centralised Facility Designed to Futureproof Research, But How Secure and Disaster Ready Is It?	Georget Reaiche-Miller
PM-07	Establishing A Transparent Costing Model: Analysis Of Time, Expenses And Costs Of The Victorian Cancer Biobank	Jonas Hess
PM-09	Developing A Business Plan for a Rare Pediatric Eye Cancer Biobank	Kaitlyn Flegg
PM-10	Creating a Data Sharing Plan for the Cancer Moonshot Biobank	Veena Gopalakrishnan
PM-11	The China National GeneBank: To Make Genetic Resources Owned by All, Completed by All, and Shared by All	Ginger Xue
PM-12	Transitioning Workflows into an Electronic Quality Management System (e-QMS): The 'Tracked Changes' of a Biobanking Implementation Journey	Taylor Everett
PM-13	Rethinking Biobanking – A Cross-Institutional Approach to Enhance Research Cohort Diversity and Accessibility	Duncan Villanueva
PN-01	PBMC Isolation and Storage: New Service Introduction in an Academic Biobank	Rajeev Singh
PN-03	Establishing Biological Material Quality Harmonization in Qatar Biobank	Monika Markovic Bordoski
PN-04	Manual of Biobank Quality Management – A Cutting-Edge Tool for Biobanking Quality Standards Implementation	Joanna Glenska-Olender
PN-05	It's Not What It Looks Like! Quality Control After Fresh Tissue Procurement	Elizabeth Howington
PN-06	Quality and Integrity of Biospecimens and Data are at the Core of all the Processes of The Global Integrated Analytical Biorepository.	Michael Sheldon

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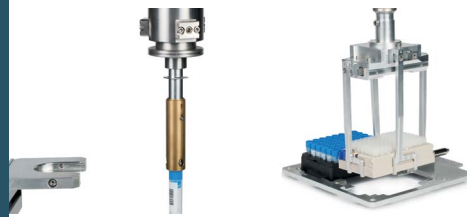
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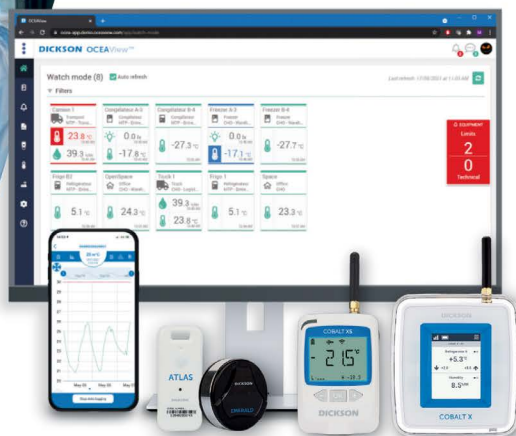
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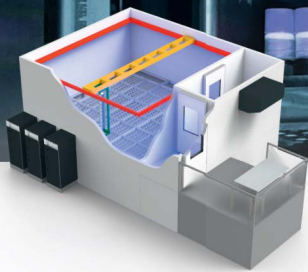
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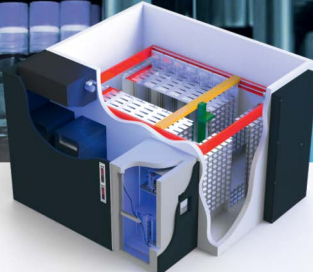
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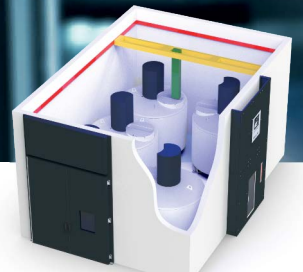
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