

CONGRESS PROGRAMME

Full guide to #EBW25

Produced by the Europe Biobank Week Programme Committee and BBMRI-ERIC's Department of Outreach, Education and Communications



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Congress introduction

Dear Participants of EBW 2025, Dear Colleagues and Friends,

On behalf of BBMRI-ERIC, the European Research Infrastructure for Biobanking and Biomolecular Resources in Health and Life Science, and ESBB, the European, African and Middle Eastern Society for Biopreservation and Biobanking, a very warm and heartfelt welcome to the Congressi Center in Bologna!

The organising team of BBMRI and ESBB is proud to have constructed an exciting and interactive scientific programme that includes a high-quality workshop programme.

We are excited to welcome Prof. Zoccoli, President of the ICSC – Italy's National High-Performance Computing, Big Data and Quantum Computing Research Centre - as an integral contributor to the opening ceremony on 15th May. Keynote highlights are from Prof. Walter Ricciardi, Università Cattolica del Sacro Cuore, Rome who is speaking about the need for courageous leadership in science and health in challenging times and Prof. Dr. Lili Milani, University of Tartu, on bringing the benefits of biobanking closer to the people.

The team is also pleased to welcome European Commission expertise from Dr. Mélodie Bernaux who will discuss European Health Data Spaces – Concepts, implementation, and implications for biobanks.

A special topic curated by the European Partnership for Personalised Medicine will explore the critical role biobanks play for advances in personalised medicine (PM) as a scientific and healthcare concept to address citizens and patients' needs.

Four pre-congress workshops, led by community experts, focus in detail on sharing knowledge and best practices. Al in medicine focuses on its latest applications and the ethical considerations surrounding its implementation. Traceability of samples and data examines issues and challenges biobanks deal with under strict safety procedures and confidentiality. Building Bridges will look at practical ways to enhance patient and public engagement and involvement in biobanks and research. Finally, Multi-actor engagement approach for next generation biobanking looks at how to adopt innovative models that encourage active involvement from all stakeholders, with a view to ensuring scientific development that aligns with the principles of responsible research and innovation and open science.

Finally, we would like to express our sincere thanks to the Programme Committee headed by Annelies Debucquoy and Ronny Baber and supported by Jörg Hamann and Olga Kofanova, the sponsorship committee headed by Manuela Pausan and Rolf Morselt, the ESBB Council, BBMRI-





ERIC's staff and National Node Directors, and to all volunteers including the session chairs and state-of-the-art speakers for making this stimulating congress happen.

A special thanks goes to our sponsors for their generosity and commitment to the continuous support they provide to EBW. This year we are fortunate and delighted to welcome our Platinum, Gold and Silver sponsors to Bologna and thank them for their endorsement of EBW25.

We hope you will enjoy your stay in Bologna and look forward to your participation, exchange of knowledge, development of new collaborations and connections and most importantly to meet you all in person!

With sincere thanks and all best wishes,

The EBW 2025 Organising Committee





General information

Date and venue



13-16 May, 2025



Bologna Congressi, Piazza Costituzione, 4/a, 40128 Bologna (Bo)

Opening hours

	13 May	14 May	15 May	16 May
Registration desk	08:00 - 18:00	08:00 - 18:00	08:00 - 18:00	08:00 - 14:30
Exhibition	/	08:00 - 18:30	08:00 - 18:30	08:00 - 13:30
Workshop / congress	13:30 - 17:30	09:00 - 19:99	09:00 - 18:99	09:00 - 15:00
sessions				

On-site registration

On-site registration will be available from 13-16 May during the registration desk opening hours.

Badges

For security reasons, please wear your #EBW25 badge so it can be always seen in the congress centre.

Coffee and lunches

Refreshments are included in the registration fee and are served in the exhibition area.

Cloakroom

The cloakroom is located next to registration and is free for use by all congress delegates.

WiFi

Free WiFi network: BCC_25. Password: Bologna25. Use #EBW25 to share your congress experience.

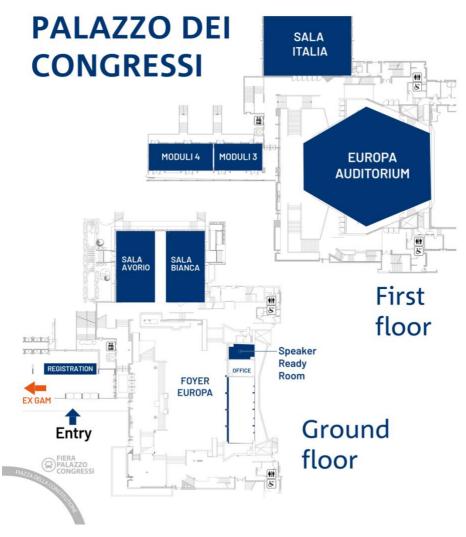
Socials

Use #EBW25 to share your congress experience.



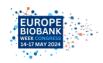


Congress floor plan



EBW25 is supported by





Opening speech and keynote biographies



Opening speech: Prof. Antonio Zoccoli

President of the National Institute for Nuclear Physics (INFN) since July 2019, he is a professor of physics at the University of Bologna and a former member of the INFN Executive Board. He conducts experimental research in the field of fundamental, nuclear, and subnuclear physics and has been part of several international collaborations at the Rutherford Lab in the UK, CERN in Geneva, and DESY in Hamburg, Germany. Since 2005, he has been a member of the ATLAS collaboration at CERN, which, together with the CMS collaboration, announced the first observation of the Higgs boson in July 2012. Since 2022, he has also served as president of the ICSC Foundation, which manages the Italian Research Center on High Performance Computing, Big Data, and Quantum Computing.



Keynote: Prof. Dr. Lili Milani

Prof. Dr. Milani is the Head of the Estonian Biobank and professor of pharmacogenomics at the University of Tartu. She has a PhD degree in molecular medicine from Uppsala University, Sweden. Her research focuses on the prevention and treatment of cardiovascular diseases, psychiatric conditions, and how genetic variation can influence drug response, including adverse drug reactions. She is convinced that healthcare can be considerably improved by data-driven precision medicine and is actively participating in the design and implementation of personalised medicine in Estonia in close collaboration with the Ministry of Social Affairs and the Estonian Health Insurance Fund.



Keynote: Prof. Walter Ricciardi

Prof. Walter Ricciardi is a full Professor of Hygiene and Director of the School of Hygiene and Public Health, Università Cattolica del Sacro Cuore (UCSC) (Rome) and Chair of the Scientific Committee of Human Technopole Foundation. He is a member of the International Honorary Advisory Faculty of the National Screening Advisory Committee (NSAC), Ireland and a member of the Scientific Advisory Board of the Pan-European Commission on Health and Sustainable Development: Rethinking policy priorities in the light of pandemics – WHO – Regional Office for Europe.





Additionally, he is a member of the Scientific Board, Santé Publique France, ordinary member of the Pontifical Academy for Life, Vatican, and a member of the advisory group of the World Health Organization for the reform of the healthcare system of the Federal Republic of Germany.





Congress programme – at a glance

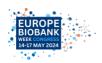
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08:00	Λε					Registration	AVAILABLE ON THE	ON THE
13:00	M EL	Workshop 4	Workshop 3	Workshop 1	Workshop 2a		#EBW2!	#EBW25 APP OR
15:00	(Kepsə		PM COFFEE BREAK	EAK				WEBSITE
15:30	υT	Workshop 4	Workshop 3	Workshop 1	Workshop 2b			
			PALAZZO DEI CONGRESSI	IGRESSI			EX GAM	ENTRANCE
		Europa	Italia	Moduli 3	Moduli 4	EX G	Ex Gam 1st + 2nd Hoor	Entrance
		Plenary	Break-out	Break-out	Break-out	Exhibition	Poster Sessions	Registration
08:00	,					Exhibition	Posters	Registration
00:60	(BM 4)	Opening ceremony						
10:30	, ysbs					AM Coffee b	AM Coffee break, exhibition + posters	
11:00	əupəM	Keynote I				Exhibition	Posters	
12:30	۸	Group photo						



							Registration						
Lunch, exhibition + corporate workshop	Posters	PM Coffee break, exhibition + posters	Poster session I	Posters		Welcome Reception	Posters		AM Coffee break, exhibition + posters	Posters		Pitch your innovative idea (Indaco - 1st floor)	Posters
Lunch, exhib	Exhibition	PM Coffee b	Exhibition			We	Exhibition		AM Coffee b	Exhibition	Lunch + exhibition		Exhibition
	Parallel sessions I				Parallel sessions II		ESBB General Assembly	Parallel sessions III					Parallel sessions IV
				Podium discussion						Keynote II			
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12:45	14:00	15:30	16:00	17:00	17:30	19:00	08:00	00:60	10:30	11:00	12:30	13:00	14:00



				Registration				
PM Coffee break, exhibition + Poster Session	Poster session II	Posters		Posters		Brunch + exhibition	Posters	
PM Coffee breal	Exhibition		ticket required)	Exhibition		Bru	Exhibition	
		Parallel sessions V	Networking dinner (Palazzo Re Enzo - ticket required)		Parallel Ethics café session 7c		Parallel sessions VI	
								Awards and closing ceremony
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15:30	16:00	16:30	19:00	08:00	00:60	10:30	12:00	13:30



Social activities

Welcome reception



Wednesday 14 May 2024, 17:00 and 19:00



Europa and Ex Gam, Bologna Congressi

This ticket is included in the registration fee.

Engage in the industry podium discussion at 17:00 in the Europa room at the congress centre prior to the welcome reception at 19:00 in Ex Gam where you can also enjoy the exhibition and posters. Meet our sponsors, find firm friends and make new connections at the beginning of Europe Biobank Week.

The welcome reception is a key moment of EBW and will conclude with a welcome drink that is accompanied by canapes.

Networking dinner



Thursday 15 May 2024, 19:00



Palazzo Re Enzo, Piazza del Nettuno, 1/C, 40125 Bologna

By advance ticket only (purchase at registration).

Change the pace of an intense day of congress business by attending this year's EBW networking dinner from 19:00.

It takes place at the prestigious Palazzo Re Enzo at the heart of Bologna's historic centre. You will be greeted with an aperitivo, welcome speeches and a three course seated buffet dinner. The evening includes Italian jazz entertainment with the intention of maximising your time to foster lasting congress connections.

A ticketed event that is open to all registered participants, those who did not book at the time of congress pass purchase can do so at the registration desks.





Pre-congress day workshops - Tuesday 13 May

The registration for this pre-congress day must be done online as part of the workshop booking form. Please allow time to collect your badge from registration before attending.

Visit to the Super Computing Center Bologna: 13 May (9:30 – 11:30)

This excursion will take participants to the ICSC National Research Centre, Italy's hub for high-performance computing, big data, and Al-driven innovation. ICSC plays a key role in advancing Al applications in healthcare, supporting research in data-driven diagnostics, predictive modeling, and intelligent medical technologies.

Registered visitors will access The Super Computing Center at the Botte B5 and be guided to visit two rooms. These rooms host the high-performance computing resources of CNAF-INFN, which include an HPC Cluster, the Tier-1 of the distributed computing infrastructure dedicated to analysing data collected from CERN experiments, and an area dedicated to storage resources for medical data certified under ISO 27001/27017.27018.

The group will also visit the Leonardo Supercomputer, which is housed in the building next to Botte B5. Before visiting the Leonardo room, Cineca staff will provide visitors with information about the site, the precautions taken during the infrastructure's development, and the characteristics and performance of Leonardo.

Important: Participants need an ID to enter the building

Address: Tecnopolo (Super Computing Center) Via Stalingrado 84/3, Bologna

Workshop 1: Al in Medicine: Navigating Trends, Ethical Frontiers, and Regulatory Landscapes (13:00-15:00 and 15:30-17:30)

This workshop explores the transformative potential of Artificial Intelligence in medicine, focusing on its latest applications and the ethical considerations surrounding its implementation. We will examine Al's role in improving, e.g., diagnostic accuracy, personalising treatments, and enhancing patient outcomes through Al-driven clinical decision support, innovative data analytics, and intelligent medical devices. A key focus will be the EU Al Act, which is designed to ensure the safe and ethical use of Al in healthcare. We will analyse how this regulation addresses crucial issues such as privacy, algorithmic bias, and patient data security, aiming to establish best practices for equitable and responsible Al deployment. Through a multidisciplinary discussion, the workshop aims to harmonise Al development with ethical considerations, ultimately paving the way for a future where Al enhances healthcare for all while upholding societal values.

Target Audience: This workshop is intended for everyone working with biobanks who is curious about the chances and challenges of applying AI in biobanks and personalised medicine.





Workshop 2a: Traceability of Samples and Data – challenges, practicalities and successes (13:00-15:00)

This workshop will focus on issues and challenges relating to the traceability of samples and data in Biobanks under strict safety procedures and confidentiality, in compliance with the applicable regulations such as the General Data Protection Regulation (GDPR), the EU Artificial Intelligence Act, and the European Health Data Space (EHDS). Through a mix of presentations, and group discussions, attendees will gain specific knowledge on instruments and tools to guarantee effective Traceability of Samples and Data within a Biobank and among a Biobank Network, discussing challenges, practical issues, and success stories. Operational aspects of small and larger biobanks will be discussed, in view of options for automation or no automation. This workshop will consider practicalities and costs, highlighting the need for a dedicated biobank information management system.

Target Audience: This workshop is intended for biobank staff, quality managers, and researchers who work in a biobank and manage biospecimen.

Workshop 2b: Enhancing strategic visibility of biobank resources: an interactive workshop on BBMRI-ERIC tools (15:30-17:30)

Join us for an engaging and interactive workshop designed to enhance the findability and visibility of your biobank's data, samples, and cohorts. This session will introduce key BBMRI-ERIC tools such as the Directory, Negotiator, Locator, and Finder, and offer practical insights into their advantages. Through online voting, presentations, and discussions, we will map common needs and obstacles faced by biobanks and National Nodes when using the tools. Participants will gain a realistic understanding of each tool's functionality, benefits, and discuss best practices. This workshop is tailored for biobank management and National Node directors, aiming to foster collaboration and share testimonials.

Target Audience: This workshop is intended for National Node directors, biobank directors and high-level managers.

Workshop 3: Creating Impact through Multi-Actor Engagement and Involvement – Developing a Strategy to Involve Patients, Caregivers, and the Public in Biobanking (13:00-17:30)

The workshop will explore how biobanks can enhance patient, public, multi-actor engagement and involvement through innovative, multi-stakeholder approaches that align with the principles of responsible research and ethical best practices. Participants will be guided on how to design and implement multi-stakeholder engagement and involvement strategies that reflect the evolving landscape of biobanking.

Target audience: This workshop is intended for biobank staff, biobank managers, biobank directors, researchers, public engagement specialists who are interested in engaging and involving patients and public in their research and biobanking activities.





Workshop 4: Basic Auditor Training in line with BBMRI-ERIC Audit Programme (13:00-15:00 and 15:30-17:30)

This interactive workshop provides foundational training for biobank staff, quality managers, and researchers aiming to develop auditing skills and take part in the BBMRI-ERIC Audit Programme as national auditors. Participants will learn the core principles of auditing within the biobank context, focusing on internal and external audits aligned with ISO 19011:2018 guidelines and ISO 20387 standards.

Through a mix of lectures, hands-on exercises, and group discussions, attendees will gain practical knowledge in audit planning, execution, reporting, and follow-up to equip them with the tools needed for effective auditing and quality improvement in biobanking.

Target Audience: This workshop is intended for biobank staff, quality managers, and researchers who are new to auditing and interested in developing their auditing skills and taking part in the BBMRI-ERIC Audit Programme as national auditors.





Scientific programme - Wednesday 14 May

(1)



Title

08:00 - Foyer

Registration opens

09:00 - Europa

Opening ceremony

10:30 - Ex Gam

Refreshments

11:00 - Europa

Plenary - keynote one

Prof. Walter Ricciardi, Università Cattolica del Sacro Cuore, Rome – The need for courageous leadership in science and health in challenging times **Chairs**: Prof. Agnieszka Matera-Witkiewicz, Wrocław Medical University and

Prof. Marialuisa Lavitrano, University of Milano Bicocca

12:30 - Ex Gam

Lunch and exhibition

Vendor tour

14:00

Parallel sessions one

Europa

3A: One Health: Non-human biobanking

Chairs – Mag. (FH). Cornelia Stumptner, BBMRI.at and Markus Ulrich, Helmholtz Institute for One Health

SoA Speaker: Dr. Dominic Bläsing, Helmholtz Institute for One Health –

Establishing One Health exploratories: A holistic approach to integrative health monitoring

Dr. Davide Faggionato, DSMZ – How to "do" the Nagoya Protocol: common

misconceptions and practical advice for access and benefit-sharing

compliance

Joséphine Uldry, MSc, Swiss Biobanking Platform – Advancing One Health

and Non-Human Biobanking: The Future of the Swiss Network Sylvia Bruneau, PhD, INRAE – The Biological Resource Centers for

Environment of the French Research Infrastructure RARe

O&A Session

Moduli 3

3B: Biobanks in big data research and Al

Chairs – Dr. Heimo Müller, BBMRI-ERIC and Dipl.-Ing. Roland Leiminger,

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SoA Speaker: Prof. Dr. Peter Hufnagl, Charité – How to overcome limits in big data access and Al usage

Prof. Agnieszka Matera-Witkiewicz, Wrocław Medical University – Biobanks as strategic tools in the concept of national digital medicine centres network establishment in Poland

Johanna Mäkelä, PhD, FINBB – Federated research infrastructure: Interoperable trusted research environments for researchers by biobanks Prof. Soichi Ogishima, Tohoku Medical Megabank Organization – Emerging challenges of Biobank Network Japan: transformation biobank through Al technologies

Q&A Session

Italia

3C: Biobank automation: Challenges, opportunities and solutions

 ${\it Chairs-Dr. Fatima\ Qafoud,\ Qatar\ Biobank\ and\ Dr.\ Loes\ Linsen,\ University\ Hospitals\ Leuven}$

Hilde Laeremans, Lifelines Biobank – How automation can make biobanking an assembly line

Industry lecture (14:55 – 15:10) Dr. Catherine Goh, Revvity – High-throughput nucleic acid extraction in biobanking: Performance assessment of the chemagic™ Prime™ System in large-scale population studies

Dr. Hélène Blanché, Fondation Jean Dausset-CEPH – Improving blood phase separation on a Fluent liquid handling system

Q&A Session

3D: Empowering the next generation: Education and training in biobanking

Chairs – Dr. Sara Nußbeck, BBMRI.de and Prof. h.c. Karine Sargsyan, Medical University Of Graz

Moduli 4 SoA Speaker: Dr. Peggy Manders, Radboud Biobank – Future in biobanking: A teaching course for biomedical students

Valeria Di Cola, PhD, University of Geneva – Advancing Biobanking Education: Updates and Insights from the new CAS in Biobanking a successful program designed in Switzerland open to an international audience

Michèle Tixier-Boichard, PhD, INRAE – Updating domestic animal biobanks on cellular models – A training workshop

Dr. Olga Tzortzatou-Nanopoulou, BRFAA – Developing tools for education in biobanking: the "SCIence outreach: The example of BIObanks in Europe" ERASMUS+ project

Q&A Session





15:30 - Ex Gam

Refreshments, exhibition and posters

16:00 - Ex Gam

Posters: session one

17:30

Parallel sessions two

Europa

4A: Clinical biobanks: Bridging research and patient care

This session is exceptionally approved in accordance with EACCME® rules for scientific content. The session has no commercial or promotional intent and is solely focused on methodological/scientific aspects.

Chairs – Dr. Christine Joye, Swiss Biobanking Platform and Dr. Rocio Aguilar-

Quesada, Andalusian Public Health System Biobank

SoA Speaker: Dr. Tilman Pfeffer, DZIF Tissue Bank – Infectious diseases tissue biobanking and biodata management of the German Center for Infection Research – a key infrastructure for multiple research approaches Dr. Marwa Eldeeb, Qatar Biobank- Advancing personalized medicine and public health: The role and impact of Qatar Biobank

Sarah Preisler, PhD, Novo Nordisk – Biobanking from a pharmaceutical

company perspective

Dr. Jose Antonio Lopez-Guerrero, Instituto Valenciano de Oncología Foundation – Five years of insights from the GEICO Registry (GEICO 81-T): A virtual gynecological cancer clinical registry with decentralized biospecimen collection

O&A Session

4B: Navigating the technical hurdles of the upcoming European data spaces

Moduli 3

Chairs – Dr. Petr Holub, BBMRI-ERIC and Dr. Ricard Martinez Martinez, University of Valencia

SoA Speaker: Dr. Mélodie Bernaux, European Commission – European Health Data Spaces – Concepts, implementation, and implications for higherstea.

Dr. Dorota Krekora-Zając, University of Warsaw – Data transfer agreement in the era of EHDS and Al

Davide Fragnito, CNR-IEOS – Genomic data transfer via secret sharing based storage network in the BBMRI.it infrastructure *O&A Session*

4C: Implementing and securing quality control in biobanking

Chairs – Dr. Teresa Escámez, Biomedical Research Institute of Murcia-Pascual Parrilla and Dr. Olga Kofanova, Integrated BioBank of Luxembourg





Italia

SoA Speaker: Dr. Ronny Baber, University Leipzig Medical Biobank -Enhancing biobanking quality: Validation and verification strategies with

insights from the Leipzig Medical Biobank

PD Dr. Joerg Geiger, Interdisciplinary Bank of Biomaterials and Data Würzburg (ibdw) – Monitoring of the cold-chain of deep-frozen samples Sven Heiling, Universitätsklinikum Jena – Three years of proficiency testing in liquid biobanking: A proven tool for identifying variations in process and sample quality

Ma Isabel Cortell Granero, Instituto Valenciano de Oncología Foundation -Enhancing biobank practices: Insights from EQA participation at the IVO

Dr. Laura Valentina Renna, BioCor Biobank - Flow cytometry as a promising tool for sample quality control in biobanking **Q&A Session**

4D: Balancing ethics and innovation: ELSI in biobanking

Chairs - Prof. Marialuisa Lavitrano, University of Milano Bicocca and Dr.

Moduli 4 Valentina Colcelli, National Research Council (CNR)

> SoA Speaker: Dr. Sara Casati, National Research Council of Italy - Cocreating the informative BBMRI.it "ecosystem" for the next-generation biobank. Integrated consent matrices, as the backbone of the BBMRI app, full recognition of the biobank as guarantor of rights, principles and

processes, digitized publicity of biobank activities

Dr. Mónica Cano Abadía and Dr. Melanie Goisauf, BBMRI-ERIC - An embedded ethics approach to trustworthy AI for transformative healthcare PD Dr. Joerg Geiger, Interdisciplinary Bank of Biomaterials and Data Würzburg (ibdw) - Electronic Consent - the key to compliant, secure and efficient biobanking

Deborah Mascalzoni, PhD. Eurac Research - How will the new WHO and WMA guidance policies impact biobanking, individuals and communities

O&A Session

19:00 - Ex Gam Welcome reception

Scientific programme - Thursday 15 May





Title





08:00 - Foyer Registration opens

09:00 Parallel sessions three

5A: Rare disease biobank insights

Chairs - Dr. Sissy Kolyva, Hellenic Pasteur Institute and Dr. Hélène Blanché,

Europa Fondation Jean Dausset-CEPH

> Dr. Liliana Virginia Siede, University of Buenos Aires - Biobanks and rare diseases in social networks. Perspective from convergent ethics – Leading case 2023-2025 Roseline Favresse, EURORDIS – Rare disease moonshot – Scaling up public-

private partnerships to accelerate research in rare diseases

Roger Snijder, Leiden University Medical Center – Gap analysis of 4-year data in

the Dutch Dystrophinopathy Database

Jovana Komazec, PhD, IMGGE, University of Belgrade - Advancing the IMGGE RD Biobank through BRIDGING-RD Project: Achieving full interoperability of genetic and phenotypic data to enhance participation in transnational research and innovation for human health

O&A Session

5B: Ensuring data security in biobanks: Strategies and best practices

Moduli 3 Chairs - Dr. Georg Göbel, Innsbruck Medical University and Blazej Marciniak, Biobank Lab University of Lodz

> Dr. Georg Göbel, Innsbruck Medical University - Current data security issues in biobanking

Q&A Session

Italia

5C: Samples fit-for-purpose: Optimisation of pre-analytics

Chairs - Dr. Daiva Dabkeviciene, Lithuanian National Cancer Institute and Peter Riegman, PhD, Erasmus MC

SoA Speaker: Paola Gasperini, PhD, University of Trento – Standardization of blood collection and processing in biobanking for EV research

Dr. Hilde Brouwers, Erasmus MC - Shortcomings in scientific studies assessing the fit-for-purpose of biobank biomaterials: the example of EDTA plasma for ccfDNA

Dr. Frank Fleischmann, Ludwig-Maximilians Universität München – Pre-analytical workflows for robust infrared profiling in blood-based disease diagnostics Daniel Alba-Olano, PhD, Spanish National Cancer Research Centre -Standardizing saliva collection: Key pre-analytical factors for reliable research **Q&A Session**

7D: Patient-centric biobanking: Strategies for engagement and participation Chairs - Dr. Eric Vermeulen, BBMRI-ERIC Stakeholder Forum: Patient and Citizens' Pillar and Deborah Mascalzoni, PhD, Eurac Research

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Moduli 4

SoA Speaker: Mª Isabel Cortell Granero, Instituto Valenciano de Oncología Foundation – Digital Transformation in Biobanking: The Implementation of

eConsent at the Valencian Institute of Oncolgy (IVO) Biobank

Daniel Alba-Olano, PhD, Spanish National Cancer Research Centre - The

challenge of building cohorts beyond hospital walls

Miriam Beusink, Health RI – Evaluation and lessons learned regarding the ABOARD cohort panel: a citizen panel advising on an Alzheimer's disease cohort study Isabelle Budin-Ljosne, PhD, Norwegian Institute of Public Health – What motivates (or demotivates) young adults to participate in longitudinal cohort studies

Q&A Session

10:30 - Ex Gam Refreshments

Plenary - keynote two

Prof. Dr. Lili Milani, University of Tartu - Bringing the benefits of biobanking closer to the people

11:00 - Europa

Chairs: Prof. Dr. Jens Habermann, BBMRI-ERIC and Dipl.-Ing. Roland Leiminger,

FSBB

Q&A Session

12:30 - Ex Gam

Lunch and exhibition

and Indaco

Pitch your innovative idea

Vendor tour

14:00 Parallel sessions four

7A: Green biobanking: Paving the path to sustainable practices

Europa

Chairs - Dr. Jörg Hamann, Amsterdam UMC and Rolf Morselt, Askion GmbH SoA Speaker: Monika Valjan, MA, Biobank Graz – Can biobanks be greener? Grazia Malovan, PhD, BBMRI-ERIC – Green biobanking: gaps and challenges Industry lecture (14:50-15:10) Werner Strasser, fragmentiX Storage Solutions – Quantum-proofing your data: The future of cybersecurity for biobanks and

scientific data

Dr. Luisa Minghetti, Istituto Superiore di Sanità – VIVA: A cutting-edge biobank for translational research and sustainable development

Q&A Session

Moduli 3

7B: Data flows in healthcare integrated biobanking

Chairs – Mgr. Zdenka Dudová, PhD, Masaryk Memorial Cancer Institute and Dr.

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Daniel Brucker, Interdisciplinary Biobank and Database Frankfurt

SoA Speaker: Dr. Mindaugas Morkūnas, Vilnius Santaros Klinikos Biobank –
Information System Architecture of the Lithuanian National Biobanking
Infrastructure

Ines Santiuste, Instituto de Investigación Valdecilla – Integration of the Biobank Information Management System (BIMS) with the Electronic Health Record (EHR) Antonella Cruoglio, MSc / Matteo Pallocca, National Research Council (CNR) – An extract, transform, load foundation for biobank data interoperability Dr. Michael Neumann, Interdisciplinary Bank of Biomaterials and Data Würzburg (ibdw) – Electronic order entry and biobank registration for tissue samples *Q&A Session*

Moduli 4

5D: Securing the future of biobanks: New collaboration models for sustainability

Chairs – Prof. Nikolai Pace, Dwarnabio, University Of Malta and Dr. Outi Törnwall, BC Platforms

SoA Speaker: Dr. Peggy Manders, Radboud Biobank – Towards sustainable biobanking by increasing researchers' financial contribution

Dr. Christine Joye, Swiss Biobanking Platform – Swiss Biobanking Platform's switch from a service development to a service utilization platform

Prof. Dr. Manon Huizing, UZA – Developing a cost visualization and calculation tool for sustainable biobanking by the diverse biobank organizations in Belgium RNDR. Katerina Nováková, Masaryk Memorial Cancer Institute – Enhancing sustainability through industry collaboration: Insights from the Czech Experience *Q&A Session*

Italia

7E: EP PerMed - Unlocking biobanks for personalised medicine

Chairs – Gianni D'Errico, PhD, Toscana Life Sciences and Dr. Christine Hasenauer, DLR Projektträger

SoA Speaker: Prof. Kristian Hveem, Biobank Norway

Prof. Dr. Lili Milani, University of Tartu – Biobanking and personalised medicine Flash poster presentation – Manuela Pausan, PhD, BBRMI-ERIC – canSERV – providing cutting edge cancer research services across Europe and establishing a European Molecular Tumour Board Network

Flash Poster Presentation – Johanna Mäkelä, PhD, FINBB – Enriching the biobanks collections by refined data returned from previous projects – case study of T-cell receptor sequence data

Round table discussion – Moderator: Andrea Frosini, PhD, TLS; Panelists: Prof. Kristian Hveem, Prof. Dr. Lili Milani, Dr. Luisa Minghetti, National Institute of Health

Q&A Session





Europa

Italia

15:30 - Ex Gam Refreshments, exhibition and posters

15:30 - Ex Gam Posters: session two

16:30 Parallel sessions five

8A: The transformative role of biobanks in public health

Chairs – Dr. Stéphanie Villar, International Agency for Research on Cancer and Prof. Dr. Nahla Afifi, Qatar Biobank

SoA Speakers: Nicole Großkinsky, NAKO, Dr. Sabrina Schmitt, NAKO and Dr. Katharina Hofmann, Universitätsklinikum Heidelberg – Biobanking in the German National Cohort (NAKO): A pivotal resource for epidemiological research + The Tumor Tissue Bank of the German National Cohort (NAKO): Pilot of a centralized epidemiologically networked biobanking

Prof. Dr. Estrid Høgdall, Herlev-Gentofte Hospital – p53 protein expression, TP53 gene mutations, and in silico p53 activity as prognostic markers for ovarian cancer Even Birkeland, PhD, Norwegian Institute of Public Health – From multi-omics to better health – Managing the biological data resource in the Norwegian Mother, Father and Child Cohort Study (MoBa)

Dr. Fatima Qafoud, Qatar Biobank – Bridging continents, advancing health: Qatar Biobank's vision for a new era in precision health O&A Session

8B: Best practices for biobanking data integration

Chairs – Kim Vande Loock, PhD, BBMRI.be and Dr. Ayat Salman, Canadian Primary
Moduli 3 Care Sentinel Surveillance Network

SoA Speaker: Janet Vos, PhD, Health-RI – Health-RI, the federated Dutch national research infrastructure for data-driven health and life sciences

Dr. Viktor Molnár, Semmelweis University – Semmelweis Federated Platform:

Privacy-preserving integration of biobank and genomic data

Dr. Sara Casati, National Research Council of Italy and Francesca Frexia, PhD, CRS4 – A digital, standards-based ELSI metadata approach to consent in Italian biobanking

Dr. Mandy Vogel, University Leipzig – The case of and for longitudinal cohort

Q&A Session

8C: Special samples, special needs.

Chairs – Dr. Anna Beskow, Uppsala Biobank and Dr. Micheline Sanderson, Stellenbosch University

SoA Speaker: Alessandro Cutarelli, PhD, University of Trento – Establishing a new





hiPSC Biobank for disease modelling and drug discovery: Standardization and quality control processes

Alice Bernardi, University of Bologna – Self-assessment survey for microbiome analysis: Ensuring quality and standardization in biobanks

Laura Milita, National Research Council of Italy, A BBMRI biobank, as a third-party, guarantor for the institutional biobanking of Old Collections The BBMRI.it community, in dialogue with the Privacy Authority

Alessandra Canazza, Golgi-Cenci Foundation – The Golgi Cenci Brain Banking protocol: An effective methodology for brain sampling and collection *Q&A Session*

Moduli 4

8D: Connecting forces: Effective stakeholder management

Chairs – Dr. Annelies Debucquoy, BBMRI.be – Belgian Cancer Registry and Rosita Kammler, ETOP IBCSG Partners Foundation

SoA Speaker: Anne-Marie Vangsted, Statens Serum Institut – Building public trust: Informing 1.3 million Danes about their stored samples

Katia Pozyuchenko, MSc, Tel Aviv Sourasky Medical Center – Biobank outreach: Key challenges and approaches

Verena Huth, MA, German Biobank Node – Fostering biobank sustainability and patient participation through collaborative advocacy

Dr. Eric Vermeulen, BBMRI-ERIC Stakeholder Forum: Patient and Citizens' Pillar – Guidance for public involvement and engagement (PPIE) in biobanking *Q&A Session*

18:00

Closed meetings

19:00 – Palazzo Re Enzo

Networking dinner





Scientific programme - Friday 16 May





Title

08:00 - Foyer Registration opens

09:00 9A: Ethics Café

Chairs - Dr. Peggy Manders, Radboud Biobank and Prof. Dr. Roland Jahns,

Interdisciplinary Bank of Biomaterials and Data Würzburg (ibdw)

Moduli 4 Q&A Session

7C: Innovative quality concepts

Chairs – Prof. Monica Forni, UNIBO Microbiome Biobank – University of Bologna and Dr. Annemieke De Wilde, MSc, Belgian Cancer Registry – Bbmri.be SoA Speakers: Joséphine Uldry, MSc, Swiss Biobanking Platform, Nhutuyen Nguyen, MSc, German Biobank Node and Prof. Agnieszka Matera-Witkiewicz,

Wroclaw Medical University – Collaborative initiative to a European quality manual for biobanks

Elisa Cantarelli, PhD, IRCCS Ospedale San Raffaele – Management of human samples for observational and interventional studies in a hospital-integrated biobank: A dynamic framework with ISO 20387, GCP/GCLP standards and

relevant legislation

Dr. Olga Kofanova, Integrated BioBank of Luxembourg – Ensuring biological sample quality through ACQA: A novel biobank internal quality program Dr. Esperanza Garcia Molina, Biomedical Research Institute of Murcia-Pascual Parrilla – A complete turnaround in biobank management: Innovations and

strategies *Q&A Session*

10:30 - Ex Gam Brunch, exhibition and posters

12:00 Parallel sessions six

10A: Organisational profiles

Chairs - Prof. Dr. Mária Judit Molnár, Semmelweis University and Prof. Dr. Elke

Europa Smits, Antwerp University Hospital

SoA Speaker: Sandra Nanyonga, Université Côte d'Azur – Pan-African

Biobanking Network (PABNet): Strengthening the African biobanking community





Moduli 3

Italia

Natascha Perales Selva, Biobank Antwerp – Bridging departments: A standardized form to streamline sample management across the hospital Manuela Pausan, PhD, BBMRI-ERIC - canSERV - Providing cutting edge cancer research services across Europe

Dr. Luca Battistelli, IRST – The importance of a functioning disaster recovery plan: The successful experience of IRCCS Istituto Romagnolo per lo Studio dei Tumori (IRST) "Dino Amadori", Meldola, Italy during the 2023 flood **Q&A Session**

10B: Ensuring excellence: Elevating data quality in biobanking

Chairs - Dr. Sabine Bavamian, Swiss Biobanking Platform and Dr. Eleni Fthenou, **Qatar Biobank**

SoA Speaker: RNDr. Rudolf Wittner, BBMRI-ERIC - Common Provenance Framework and the ISO 23494 Provenance Information Model for Biological Material and Data

Teresa Botta Orfila, PhD, Biobank of the Hospital Clinic of Barcelona -Applicability of project management tools in reviewing ISO 20387 compliance for biobanking

Elodie Ristorcelli, PhD, CHUV - HORUS Biobank Project: An innovative way to support university hospital biobanks in their journey to enhancing sample and data quality

Roger Sniider, Leiden University Medical Center and Dr. Yvonne Meijer-Krom. Leiden University Medical Center - FISMA for high quality and interoperable realworld data on Dystrophinopathies - FAIR from the start: From concept to reality Nina Jansoone, UZA - Enhancing BIMS to improve registration rates and data quality

Q&A Session

10C: Samples ready for multi-omics research

This session is exceptionally approved in accordance with EACCME® rules for scientific content. The session has no commercial or promotional intent and is solely focused on methodological/scientific aspects.

Chairs - Prof. Radka Kaneva, Medical University of Sofia and Dr. Ronny Baber, University Leipzig – Leipzig Medical Biobank

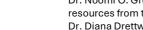
Hou-Wei Chu, Taiwan Biobank – Unraveling complex disease etiology: Insights from the Taiwan Biobank's multiomics data

Dr. Noomi O. Gregersen, Genetic Biobank of the Faroe Islands - Multi-omics resources from the Faroe Islands: The FarGen 2 Project

Dr. Diana Drettwan, lifespin GmbH - On the road to diabetes: How biobankingbacked metabolomic digital twinning improves risk assessment and early diagnostics.

Martina Betti, IFO-IRE Cancer Research Institute - Enhancing multi-omics data interpretation and robustness through Al-driven digital pathology

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Dr. Giuseppe De Palma, IRCCS Istituto Tumori "Giovanni Paolo II" – BIOMIS the Italian human microbiota biobank ready to contribute to meta-omics applications *O&A Session*

Moduli 4

10D: Emerging EU regulations unveiled: Latest ELSI developments and national perspectives

Chairs – Dr. Vita Rovite, Latvian Biomedical Research and Study Centre and Anne Costello, Health Research Board

SoA Speaker: Dr. Pieter Moons, Biobank Antwerp – Interplay between the Belgian biobank legislation and EU level CTR, MDR/IVDR regulations Irene Schlünder, BBMRI-ERIC – Challenges for biobanks under the EHDS Regulations; introduction of opt-out as a standard form of individuals' participation in the use of their data

Erdina Ene, MSc, BBMRI-ERIC – EHDS implications for biobanks as data holders and data users

Dr. Peggy Manders, Radboud Biobank – European Health Data Space – The current state of affairs in the Netherlands

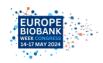
O&A Session

13:30 - Europa

Awards and closing ceremony

Including the BBMRI-ERIC Quality Label Awards





Industry programme

Wednesday 14 May

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Title

12:30 - Ex Gam Lunch and exhibition

Corporate workshop

14:00	Parallel sessions one
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Moduli 3 14:00-14:05 – Five-minute Snapshot by Illumina prior to session 3B

Italia 14:00-14:05 – Five-minute Snapshot by Revvity prior to session 3C

Moduli 4 14:00-14:05 – Five-minute Snapshot by Holly Parker, Technical Sales Specialist

Cold Storage at Thermo Fisher prior to session 3D

17:00 - Europa Podium discussion: Industry & academic co-creation towards personalised

medicine in light of global challenges

17:30 - Europa Parallel sessions two

17:30-17:35 – Five-minute Snapshot by Dr Cristina Valsecchi, Sr Technical Sales Specialist Human Predictive Genomics at Thermo Fisher prior to session 4A

Thursday 15 May





Title

12:30 - Ex Gam Lunch and exhibition

Corporate workshop

13:00 - Indaco 9B: Pitch your innovative idea – (1st floor exhibition area)





Friday 16 May





Title

12:00

Parallel sessions six

Moduli 4

12:00-12:05 – Five-minute Snapshot by Standard BioTools™ Proteomics Solutions for Population Biobanks prior to 10C





Posters by track and topic

TRACK 1. NAVIGATING THE FUTURE OF BIOBANKS: CHALLENGES AND INNOVATIONS

3A: ONE HEALTH: NON-HUMAN BIOBANKING

276	Implementation of the Standard ISO 20387 for Genetic Resources Conservation in a Biobank	Edgar Torres García Carlos Hugo Avendaño Arrazate
278	VMF Biobank, Latvia University of Life Sciences and Technologies: A repository for clinical animal biospecimens and data	Stelfa Gundega
287	Biobank at Biomedical Primate Research Center, The Netherlands: Attractive Alternative Source for Scientific Research	Kondova-Perseng I. Feo Almagro M. Langermans J. de Groot N. Bruijnesteijn J. Langelaar M.

4A: CLINICAL BIOBANKS: BRIDGING RESEARCH AND PATIENT CARE

308	Feasibility and diagnostic accuracy of ctDNA fragmentome combined with risk factors for multicancer early detection; the ESCALATION study	A. Broeks
314	Archipelago of Ovarian Cancer Research; a Dutch nationwide IT infrastructure and biobank for ovarian cancer.	Marlou Heeling Mignon D.J.M. van Gent
323	Alessandria Biobank: A Resource for Skin Cancer Research and Personalized Medicine	Libener Roberta Amore Valentina Oliveri Giulia Ghiglione Marco Morello Alice Maconi Antonio
325	A pilot cohort study on MASLD in Switzerland.	Dr. med. Beatrice Barda Chiara De Luca Rossella Forlenza Maurizia Bissig- Canevascini Claudia Di Bartolomeo Mario Uhr Andreas Cerny
330	Precision Biobanking for Children: Unlocking Molecular Insights with Cell Sorting	Luigi Coppola Alessandra Pasquale Primo Alessandra Macrì Giovanna Maisto Giuseppe Menna Rosanna Parasole Peppino Mirabelli
346	The Biobank of Institute of Hematology and Blood Transfusion in Prague presents an infrastructure for hemato-oncological research of adult patients	Adela Benesova Adela Cirbusova Robert Telicak Katerina Machova Polakova





432	New perspectives in cancer biomarker use -	Marie Karlíková Ondrej Topolcan Martina
	role of biobanks	Pestova Michal Jirasko
439	Gap analysis of RWD and consent coverage	Y.D. Krom R.J.A. Hoek U.A. Badrising C.S.M.
	of Neuromuscular Disease Richark using	Streethof I M. R. Tannamaet I I I G. M.

of Neuromuscular Disease Biobank using Straathof | M.R. Tannemaat | J.J.G.M. Verschuuren | F. Slingerland | M. van der Holst | R.R. Snijder | E.H. Niks

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388	TNGB onwards: Two Decades of Advancing Rare Disease Biobanking	Calzolari, M Casareto, L Locatelli, M Sangiorgi, L for the Telethon Network of Genetic Biobanks
398	SATELLITES: An Innovative, Sustainable and Shared Model for Harmonizing Rare Disease Biobanking	Alisia Madè Laura Valentina Renna Lavinia Curini Alba Di Pardo Maurizia Grasso Eloisa Arbustini Ferdinando Squitieri Amalia De Curtis Maria Benedetta Donati Massimo Chessa Rosanna Cardani
401	Developing a Biobank network among sarcoma treatment centers to improve biomedical research: the PANORAMA project	Donati, D.M Righi, A Laginestra, M.A Cristalli, C Mancarella, C Magagnoli, G Dozza, B Di Martino, S Covello, R De Gregorio, F Mirabelli, P Errico, M.E De Palma, G Cecere, A Zito, F.A Strippoli, S
411	Integrating Standardized Biobanking into Rare Disease Research: Insights from the ACURARE Biobank	llayda Sahin Fatma Merve Antmen Ceren Erdogan Gizem Onder Gulsah Sebnem Ozkose-Iyigel Julide Ceren Yilmaz Aybike Bulut Cansu Portakal Eylul Aydin Semanur Ozdemir Huma Gunay Kaya Bilguvar Ozlem Akgun Dogan Ozden Hatirnaz Ng Yasemin Alanay Ozkan Ozdemir
440	A Decade of Biobanking and Supporting Hematooncological Research at the	Lucie Broskevičová Jana Klepáčová Hana Križňanská Roman Hájek

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266 Challenging the -80°C Gold Standard: A
Case for Sustainable Biobanking at
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Corrie Lynne Madsen | Nicolai Sode Mikkelsen | Estrid V. Høgdall

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283	Effect of fluorinated greenhouse gases regulation on biobanks – a case study using the example of Biobank Graz	Monika Valjan Veronika Perz Sabrina Kral
284	Applying "R" strategies to foster environmental sustainable practices in biobanking	Monika Valjan Veronika Perz Sabrina Kral
320	Sustainability in Biobanking: Legal Framework and Practical Implementation	Catarina Almeida Katarzyna Barud Nikolaus Forgo Sabrina Kral Klaudia Kwiatkowska Veronika Perz Monika Valjan
383	Fifteen years of real-time stability data at room temperature: validation of encapsulation for sustainable biobanking	Marthe Colotte Aurélie Luis Delphine Coudy Magali Milhau Jacques Bonnet
441	The CSR DNA-Library project	Sylvia Bruneau Samuel Mondy Christian Mougin1 Natacha Nikolic
463	Automated vs. Manual Ultra-Low Temperature Sample Storage: A Comparative Analysis of Space Efficiency, Power Consumption, Labor Efficiency, Running Costs, and Carbon Emissions	Cristiana Bercea

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297	Medically actionable findings of the Cypriot population: a silent threat to public health	Fanidis D Moutsouri E Malatras A Polydorou C Argyrou C Papagregoriou G Deltas C
328	Analysis of selected obesity risk biomarkers in the PICTURE pediatric population	Oliwia Piaskowska Mateusz Sikora Emilia Spyrka Agnieszka Matera-Witkiewicz Katarzyna Kiliś-Pstrusińska Anna Medyńska Agnieszka Bargenda-Lange Anna Jakubowska





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423	Internal Quality Audits in BBMRI.it Biobanks	Monica Forni Enea Ferlizza Filippo Papa

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Antongiorgio Tognoli | Angela Bozza | Daniela Pistillo | Giuseppina Bonizzi | Simone Lapi | Donatella Conconi | Domenico Coviello domenicocoviello@gaslini.org | Marialuisa Lavitrano

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431 Developing a University Hospital-based DI Dr. Philipp Hofer

Tissue Biobank

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389	Using whole slide images and AI algorithms to enrich biobank sample annotation	Julia Bein Kristina Götze Daniel Brucker Nadine Flinner Christian Brandts Peter Wild
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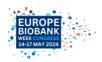
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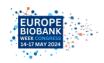
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