1. Main Topic “INNO” (Sessions A1-10)

Innovative concepts and ideas for biobanking
Session Number & Title:

A1 - Pitch your innovation concepts/ideas

Chairs:
- Berthold Huppertz (Biobank Graz, Med Univ. Graz, AT)
- Pasquale de Blasio (ISENET, Milan, IT)

Format: interactive parallel session

Description & Aim:

CALL FOR CONTRIBUTIONS

For the session “Pitch your innovation concepts/ideas” (A1)

The session “Pitch your Innovation Concepts/Ideas” is a roadshow of innovative ideas, concepts or products related to biobanking – for biobanks, from biobanks, with biobanks.

Companies and researchers from universities or biobanks who have innovative ideas, concepts or products will have the opportunity, if selected, to:

1. present to the participants of the Europe Biobank Week their new products, concepts or ideas (10 min presentation including discussion)
2. have a poster of the new product, concept or idea displayed in a specific area of the conference
3. demonstrate their new product, concept or idea at their exhibition booth (only for those companies with a booth).

The “Pitch your Innovation Concepts/Ideas” session will be a new and effective way for attendees of the Europe Biobank Week as well as for companies and venture capitalists to identify new and innovative products or improvements of existing products or services specifically designed to improve quality, safety and operation of biobanking processes.

NEW BIOBANKING PRODUCT/IDEA ORAL PRESENTATION

In order to present a new Biobanking Product/Idea at the session “Pitch your Innovation Concepts/Ideas” the following rules and regulations must apply:

1. You need to be a University Researcher or a Biobanking Staff Member.
   Or you need to be an exhibitor.
2. You have to submit an abstract for oral presentation for this session.
3. Your abstract has to be selected for presentation by the Scientific Programme Committee.

An abstract of the presentation and the name of speaker (with full contact information) must be submitted to Europe Biobanking Week, for review by the Scientific Programme Committee.

It which should contain:

- New product description (max ½ page)
- Expected benefits and or improvements of the biobanking workflow (max ½ page)
- Other important aspects (all in 1 page)

Please submit your abstract online: [click here for abstract submission >>]
Submission deadline: July, 15th 2016
Session Number & Title:
A2 - Practical issues - ask the experts

Chairs:
- Kristian Hveem (HUNT Biobank, Norway)
- Peter Riegman (Erasmus Medical Center Rotterdam, NL)

Format: interactive parallel session

Description & Aim:
In addition to regular support and service arrangements, every biobank has practical/technical issues they need to resolve, not only on a daily basis, but also of a strategic character.

A biobank (and vendor?) network for exchanging ideas and solutions may offer both the necessary support and innovative contributions.

There is a clear potential for improved service- and support arrangements, both from a biobanker and from a vendor perspective. Will a biobank based service organization offer better solutions?

Details:

a) In addition to two selected speakers (biobank + vendor), six biobanks will be offered a 5 min presentation to describe their most burning technical issues; both solved and unsolved, to be addressed or commented by the audience and a panel of experts
b) Vendors are invited to this session to provide answers to real needs and to share their thoughts and ideas for improved solutions.
c) Questions to biobankers and vendors may be asked directly by the audience, but also collected in advance
d) Will an industry based and non-industry based biobank have similar challenges?

State-of-the-art speaker & title of talk:
NN (Laboratory leader, Biobank): “Handling practical issues from a biobank perspective”
NN (Head of service and support/industry): “Handling practical issues from a vendor perspective”

Presentations:
Problem based presentations - “Hands on” biobankers

Discussion
Interactive discussion between an expert panel and the audience
**Session Number & Title:**

**A3 - Biobanking for beginners**

**Chairs:**
- Peggy Manders (Radboudumc, NL)
- Markus Pasterk (BBMRI-ERIC, AT)

**Format:** interactive parallel session

**Description & Aim:**

**CALL FOR CONTRIBUTIONS**

*For the session “Biobanking for beginners” (A3)*

The session “Biobanking for beginners” is designed as an interactive educational session. Selected questions related to biobanking (e.g. technical problems related to storage of samples, data management problems, ELSI issues, business models, etc.) will get a podium to present the casus in 5 minutes.

People working in the field of biobanking can submit their questions in advance (on the EBW website until July 15th). At the Europe Biobank Week experts (from academia and/or industry) who participate in the conference will answer the questions and bring their solution in 3 minutes. The audience can comment and discuss about the casus and the suggested solutions (for another 4 minutes).

**Details:**

Do you consider starting a Biobank? Or have you initiated a Biobank recently? Do you consider a redesign of your current Biobank? As delegate at the EBW you have the opportunity to discuss your deliberations, questions and unsolved issues with expert colleagues!!

**Issues could be for example:**
- What are optimal conditions for storage of samples?
- Which biobank management systems are best practices?
- What are the experiences with ‘dynamic consent’ procedures?
- What revolving fund prices are reasonable for samples requested by external investigators?
- If you have these kinds of specific questions, feel free to bring them in for discussion at this special session.

Please submit a short description of your current situation/problems and your questions to the experts on the EBW website under the following link: [http://europebiobankweek.eu/programme-3/submission/](http://europebiobankweek.eu/programme-3/submission/) by July 15th.

The organizers will select five questions which are of general interest for presentation at the conference under the following format:
- Presentation of the problem (5 minutes).
- Suggested solutions; two experts are selected by the organizers (2x3 minutes)
- Discussion of problem and suggested solutions by the rest of the audience (4 minutes)

For all other serious questions not selected for presentation the organizers will arrange a bilateral expert contact.

**State-of-the-art speaker & title of talk:**
- **Andres Metspalu** (The Estonian Genome Center, University of Tartu, EE):
  - Tutorial/State-of-the-art “Basic principles for setting up a biobank”
- Speakers selected from abstracts (Problem presentation (5’), expert response (2x3’) and general
Session Number & Title:

**A4 - Business planning**

Chairs:
- Erik Steinfelder (ESBB president 2015-2016, Netherlands)
- Alison Parry-Jones (Wales Cancer Bank, Cardiff University, UK)

Format: interactive session

Description & Aim:

Biobanking is a relatively young scientific discipline that requires multiple skills and competences that go way beyond being a good custodian of valuable collected materials. Challenges around governance, ethics, data management, logistics and quality are faced by many biobanks in their daily routine. In follow up to the ESBB Business planning webinars this session will discuss these important topics, additional background information, best practices, do’s and don’ts and reference material will be presented and discussed.

Topics that will be discussed:
1. General business planning for biobanking – key note session
2. Case study from a biobank that has published about developing their business case
3. Making your biobank visible and adding value
4. Financials – sustain after the first 5 years
5. ELSI and business planning; is it a threat or can it help moving forward

Session A4 “Business planning” is an interactive session that could help the attendees to overcome these business issues and turn them into ‘Mission Possible’ experiences.

State-of-the-art speaker & title of talk:
- Henry Robben (Nyenrode Business University, NL)

2 Speakers selected from abstracts

Interactive discussion
Session Number & Title:

A5 - Biobanking in the spotlight – International standards and future perspectives

Chairs:
- Andrea Wutte (BBMRI-ERIC, AT)
- Georges Dagher (INSERM, FR)

Format: lecture-based parallel session

Description & Aims:
European and international research collaborations on biological material raise the need to share samples and data across borders. Inevitably, the necessity for review of comparability of raw materials as well as relevant information and data arises.

Due to its central role of sample collection, processing and distribution, biobanks are facing a set of appropriate International and National Standards. Biobanks adhering to International Standards ensures safe, reliable and a defined quality of biobanking products and services.

Action is being taken in the standard development of ISO/TC 276 “Biotechnology” with the aim to draft an International Standard for “Biobanking - general requirements for biobanks”. A preview is given in this session.

The speakers present:

This session invites speakers from every continent to present National and International Standards implemented in their countries biobanks.

State-of-the-art speaker(s) & title(s) of talk:
- Lena Krieger (DIN Deutsches Institut für Normung)
  "Setting International Standards for Biobanking – Why and how to join ISO now!"

Speakers selected from abstracts
**Session Number & Title:**

**A6 - Biobanking in teenage biobanks**

**Chairs:**
- Dalibor Valik (BBMRI_CZ, National Coordinator)
- Anna Bosch Comes (IDIBAPS Biobank, Barcelona, Spain)

**Format:** lecture-based parallel session

**Description & Aims:**
This session is meant as a forum for long standing biobanks to address key aspects for running and sustaining a successful mature biobank (i.e. more than 10 years old) with specific solutions to identified issues:

- Adaptation to users
- Decision on implementing new technologies
- Key Performance Indicators
- Use of hospital databases
- Interaction with other infrastructures
- Others raised by the attendants

**State-of-the-art speaker & title of talk:**
- John McLauchlan (MRC-University of Glasgow Centre for Virus Research, UK)
  “HCV Research UK – Delivering Translational Research from a UK Cohort of Hepatitis C Virus-Infected Individuals”

**Speakers selected from abstracts**
Session Number & Title:

A7 - Biobanking governance

Chairs:

• Edvard Beem (ZonMw, NL)
• Jens K. Habermann (Interdisciplinary Center for Biobanking-Lübeck, University of Lübeck, DE)

Format: lecture-based parallel session

Description & Aim:

Establishing transparent governance rules is key for any institution, especially when concerned with sensitive data and requiring public support. This is equally true for biobanks whether population-based or disease-specific, in the clinical setting or a prospective research study. Governance models need to take into consideration, among others, operational, technical issues, ethical oversight and legal compliance, including national regulations and international, compliance and enforcement attributes granted to biobanks, the security features of the database, access to the database and the demise of a database (e.g. as specified in the OECD Guidelines on Human Biobanks and Genetic Research databases).

This session shall highlight the current status of governance challenges biobanks face in different research settings, at local as well as on a transnational levels and invites presentations on governance models, which have been implemented and proven successful in practice.

State-of-the-art speaker & title of talk:

• Jane KAYE (Oxford University, UK): “Biobank Governance in a Time of Change”

Speakers selected from abstracts
Session Number & Title:

A8 - Biobanking in the spotlight - International collaborations in Africa

Chairs:
- Maimuna Mendy (IARC, Fr)
- GertJan van Omnen (LUMC, NL)

Format: interactive parallel session

Description & Aim:

Biobanks are increasingly becoming an important infrastructure for research in its contribution in the understanding the etiology of disease, identification of biomarkers for diagnosis and monitoring of treatment outcome.

International partnerships play a key role in accelerating the progress by combining biological material and associated data through multidisciplinary collaboration.

These developments are taken place in high income countries and at a slower pace in low income countries. The session will put biobanking in the spotlight with presentations highlighting the contribution of international biobanking and projects established to provide high quality samples and data and how they are providing the opportunity towards the realisation of building platform for precision medicine. In order for this work to be legally and ethically secure, common frameworks for the partners involved also need to be developed.

State-of-the-art speaker & title of talk:

- Akin Abayomi (Stellenbosch University, South Africa)
  "The proposal for the first talk is: "Additional considerations when biobanking during public health crises- what the Ebola outbreak taught us"

- Erik Bongcam (SLU, B3Africa)
  "B3Africa: A technical informatics framework for biobank integration between Africa and Europe"

Speakers selected from abstracts
Session Number & Title:

A9 - Biobanking to preserve the biodiversity of species

Chairs:
- Paul Bartels (Biodiversity Biobank, Tshwane University of Technology, ZA)
- Dominic Lermen (Fraunhofer Institute for Biomedical Engineering IBMT, DE)

Format: lecture-based parallel session

Description & Aim:

Biodiversity is being lost at an accelerated rate and where biobanking has the potential to not only boost our understanding of the status of and threats to biodiversity, but also to play a critical role in the conservation of species.

The aim of this session is to highlight some of the progress made to-date and to catalyze further actions in support of the establishment of biodiversity biobanks across the globe.

State-of-the-art speaker & title of talk:
- Paul Bartels (Biodiversity Biobank, Tshwane University of Technology, ZA): “The thrills and spills of establishing a wildlife Biobank in Africa”

Speakers selected from abstracts
Session Number & Title:

**A10 - Biobanking meets regulatory**

Chairs:
- Markus Pasterk (BBMRI-ERIC, AT)
- Alice Matimba

Format: lecture-based parallel session

Description & Aims:

The legal framework for medical research and approval of drugs, in vitro assays and medical instruments is currently undergoing a deep change. The General Data Protection Regulation is providing a harmonized framework in all EU Member States; the Clinical trials directive is substituted by a common regulation and the 3 in vitro diagnostics and med tech directives are to be replaced by two regulations in the near future. Common to all 4 areas is the move from a directives approach with inconsistent national implementation towards a more unified regulations approach. Secondly the in vitro and med tech regulatory processes become more in line with those for drugs and therefore closer also to the US situation.

This session shall:
- Summarize the current legal framework and its future implementation
- Explain the importance of the biobanking field within these new processes
- Start a discussion process with regulatory agencies at different levels for better cooperation

State-of-the-art speaker & title of talk:

- **Speaker from EMA (European Medicines Agency):**
  “The Clinical trials regulation and the potential use of existing cohorts/biobanks in the validation process”
- **Speaker from EC:**
  “The new legal framework for in vitro diagnostics and medical products”
- **Claudia Wild (LBI-HTA):**
  “Health Technology Assessment: support for reimbursement decisions”
- **John Wubbe (EPOSI):**
  “Rapid HTA – a patient organisations approach”

Speakers selected from abstracts