



“Finnish Biobanks Aiding Fundamental Biomedical & Clinical Research”

Organizer: Health and Biosciences Doctoral Programme, University of Oulu Biocenter Oulu and Borealis Biobank of Northern Finland (BB) & FinBB

Time: 19-20.11.2018, Oulu University Medical School, Aapistie 5

Lecture hall: F101 (19.11.) and F202 (20.11.)

Credits: 0.5 study points

[Registration >>](#)

Monday 19.11.2018

09.00-09.10 Welcome and opening words by Seppo Vainio

09.10-09.20 University of Oulu greetings by Vice Rector Taina Pihlajaniemi

Session I. Value of the biobanks in medicine - Chair: Seppo Vainio

09.20-09.45 **Marco Hautalahti & Anu Jalanko:** The Finnish biobank cluster FinBB and the European BMRI

09.45-10.10 **Anu Jalanko:** National biobank effort - Finngen

10.10-10.40 **Joakim Dillner:** National and international collaboration via the biobanks

10.40-11.10 **Sirpa Soini:** The law and order in the biobank activities

10.10-11.30 **Minna Mäkinieniemi:** Biobanks, the university hospitals and the ethical aspects

11.30-12.30 Lunch break & interactions:

Session II: Biobanks and Finnish neuro-, cancer and genome centers - Chair: Pia Nyberg

12.30-12.50 **Ville Leinonen:** Prospects in Neuroscience

12.50-13.10 **Arto Mannermaa:** The emerging Genome center

13.10-13.30 **Jussi Koivunen:** FICAN – the Finnish Cancer Center

13.30-13.50 Coffee, tea and interactions

Session III: Cohorts and biobanks - Chair: Heljä-Marja Surcel

13.50-14.00 **Sylvain Sebert:** Introduction to cohort studies

14.00-14.45 **Vincent Jaddoe:** The European birth cohort network

14.45-15.05 **Tiina Wahlfors:** Finnish Red Cross biobanks

15.05-15.30 **Riitta Veijola:** National cohorts to study diabetes

15.30-15.55 **Minna Ruddock:** Northern Finland Birth cohorts

15.55-16.15 **Heljä-Marja Surcel:** Finnish Maternity Cohort (FMC) and Finnish registries

16.15-16.40 **Johanna Uusimaa:** Clinical research resources at the MRC Oulu: patient cohorts, samples and infrastructure

Summary of the biobank day and closing Seppo Vainio

Dinner for the speakers 19-

Tuesday 20.11.2018

08.30-09.00 Coffee, tea and interactions

Session IV: Biobanks in practice – Chair: Anne-Mari Moilanen

09.00-09.20 **Juha Näpänkangas:** Digital pathology and the biobanks

09.20-09.40 **Pia Nyberg:** Borealis in the arena of the Finnish biobanks

09.40-10.00 **Eila Suvanto:** Case studies with the biobanks samples

10.00-10.20 **Lila Kallio:** Auria Biobank - from discovery to feasibility studies

10.20-10.40 **Johannes Kettunen:** The genetics and the genome level BIG data in FinnGen

10.40-11.00 **Antti Karlsson:** Big (?) data analysis in healthcare

11.00-12.00 Lunch break and interactions

Session V: Biobanks and the health care digital era - Chair: Juha Röning

12.00-12.20 **Marko Pylkkänen:** The digital world of the Oulu University Hospital

12.20-12.50 **Tarja Laitinen:** The biobank related data hubs and the data lakes

12.50-13.20 **Juha Röning:** Can we be safe in the digital worlds – the ethics of the digits ?

13.20-13.45 **Jussi Hiltunen:** Visions for mass produced bioelectronics and biosensors

13.45-14.10 **Tapio Seppänen:** Digital medicine on site, in the body and in remote

Summary of the biobank days and closing Seppo Vainio



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