“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

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

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: The Finnish biobank cluster FinBB and the European BBMRI
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 Mäkiniemi: 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

13.30-14.00 Coffee, tea and interactions

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

14.00-14.25 Minna Ruddock: Northern Finland Birth cohorts
14.25-14.50 Heljä-Marja Surcel: Finnish Maternity Cohort (FMC) and Finnish registers
14.50-15.15 Tiina Wahlfors: Finnish Red Cross biobanks
15.15-15.40 Riitta Veijola: National cohorts to study diabetes
15.40-16.05 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

08.45-09.15 Coffee, tea and interactions

Session IV: Biobanks in practice – Chair: Tiina Pekkala

09.15-09.35 Pia Nyberg: Borealis in the arena of the Finnish biobanks
09.35-09.55 Juha Nääpänkangas: Digital pathology and the biobanks
09.55-10.20 Eila Suvanto: Case studies with the biobanks samples
10.20-10.40 Lila Kallio: Auria Biobank - from discovery to feasibility studies
10.40-11.00 Johannes Kettunen: The genetics and the genome level BIG data in FinnGen

11.00-12.00 Lunch break and interactions

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

12.00-12.20 Maritta Perälä-Heape: Digital Health HUB to support research and innovation
12.20-12.40 Marko Pylkkänen: The digital world of the Oulu University Hospital
12.40-13.10 Tarja Laitinen: The biobank related data hubs and the data lakes
13.10-13.30 Antti Karlsson: Big(?) data analysis in healthcare
13.30-14.00 Juha Röning: Can we be safe in the digital worlds – the ethics of the digits?
14.00-14.25 Jussi Hiltunen: Visions for mass produced bioelectronics and biosensors
14.25-14.50 Tapio Seppänen: Digital medicine on site, in the body and in remote

Summary of the biobank days and closing Seppo Vainio