

1st Danish International Conference on Personalised Medicine

24-25th October 2023
Moesgaard Museum
Aarhus

Day 2

8:30-9:00 Coffee

SESSION IV: "ADVANCED STATISTICAL METHODS"

(Chairs: Liselotte Vogdrup Petersen & Bjarni J. Vilhjálmson)

9:00-9:30 **Mendelian Randomisation with Directed Acyclic Graphs learning: Opportunities and pitfalls in personalised medicine** Leonardo Bottolo, University of Cambridge, United Kingdom

9:30-10:00 **Machine learning with clinical purpose** Adam Hulman, Aarhus University, Denmark

10:00-10:20 **Flash talks:**
LDAC-PBAT: A Novel Pathway-Based Analysis Tool for Decoding the Genetics of Complex Diseases (presenter: Takiy Berrandou)
Unraveling the regulation mechanism of the human flippase ATP8B1 (presenter: Poul Nissen)

10:20-10:50 Coffee with light refreshment, poster viewing and networking

SESSION V: "EPIDEMIOLOGICAL STUDIES"

(Chairs: Uffe Birk Jensen & Hannah Chatwin)

10:50-11:40 **Keynote: Using genetic epidemiology to inform personalised medicine** Per Magnus, Norwegian Institute of Public Health, Norway

11:40-12:10 **Early life exposures and pubertal development: results from the DNBC Puberty cohort** Cecilia Ramlau-Hansen, Aarhus University, Denmark

12:10-13:10 Lunch and networking

Day 2 (continued)

SESSION VI: "ADVANCED TECHNOLOGIES IN CANCER RESEARCH"

(Chairs: Martin Bøgsted & Lars Dyrskjøt Andersen)

- 13:10-14:00 **Keynote: Data-driven and functional precision medicine for acute myeloid leukemia and beyond** Olli Kallioniemi, SciLifeLab and Karolinska Institute, Sweden
- 14:00-14:30 **The power of circulating tumor cells in Immuno-Oncology** Catherine Panabieres, University Medical Centre of Montpellier, France
- 14:30-15:00 **T cell receptor landscape associate with metastasis in bladder cancer** Nicolai Birkbak, Aarhus University, Denmark

15:00-15:30 Networking and coffee & cake

SESSION VII: "APPLIED PERSONALISED MEDICINE"

(Chairs: Deirdre Cronin Fenton & Mikkel Heide Schierup)

- 15:30-15:50 **Flash talks:**
Social characteristics and adherence to adjuvant endocrine therapy in breast cancer patients (presenter: Julie Schmidt)
Genetic variants of the serotonin transporter with functional and pharmacological impact (presenter: Steffen Sinning)
- 15:50-16:20 **Treatment decisions for metastatic cancer patient – implementation of personalised medicine** Britt Elmedal Laursen, Aarhus University, Denmark

16:20-16:45 Closing remarks, poster & flash talk awards

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