

# ANNUAL MEETING IN “DANISH SOCIETY OF GENETIC EPIDEMIOLOGY”

## ”Biobanks and Big Data Medicine in Denmark”, April 26<sup>th</sup>, 2018



Biobanks hold promises for gaining new and important insights into the etiologies of diseases and may pave the way for more efficient treatment of many disorders. These potentials can be dramatically increased by combination with data from the health registers and patient records. The aims with the present meeting are to inform about biobanks in Denmark, their potential in research and to provide insights into the future of big data medicine in Denmark.

**Venue:** Emil Aarestrup Auditorium, Odense University Hospital, Odense  
(<https://www.sdu.dk/da/service/vejviser/odense/klinikbygningen>)

### Program

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8.15 – 9.00      Registration with coffee, tea and breakfast

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9.00 – 9.05      Welcome

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#### Session 1: Biobanks in Denmark, overview

9.05 – 9.30      Overview and presentation of biobanks in Denmark. Lasse Boding, Danish National Biobank, Statens Serum Institut, Copenhagen, Denmark

9.30 – 9.45      The Danish Biobank Register: collaboration between biobanks in Denmark and search for material from individuals with a specific diagnosis. Bart Wilkowski, Danish National Biobank, Statens Serum Institut, Copenhagen, Denmark

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#### Session 2: Biobanks in Denmark, examples

9.45 – 9.55      The Biobank of Region Zealand (RSjBB). Palle Lyngsie Pedersen, Department of Clinical Biochemistry, Næstved Hospital, Næstved, Denmark

9.55 – 10.05      Danish Centre for Strategic Research in Type 2 Diabetes (DD2). Jens Steen Nielsen, Department of Endocrinology, Odense University Hospital, Odense, Denmark

10.05 – 10.15      The Danish Twin Registry Biobank. Jonas Mengel-From, Epidemiology, Biostatistics and Biodemography, Department of Public Health, University of Southern Denmark, Odense, Denmark

10.15 – 10.25      Bio- and GenomeBank, Denmark. Astrid Munk Pedersen, Department of Pathology, Herlev Hospital, University of Copenhagen, Herlev, Denmark

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10.25 – 11.10      Coffee and poster displays (sponsors)

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#### Session 3: Treatment of genetic data

11.10 – 11.30      Introduction to polygenic prediction. Peter Sørensen, Center for Quantitative Genetics and Genomics, Department of Molecular Biology and Genetics, Aarhus University, Tjele, Denmark

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### Session 3: Research projects using biobanks and big data medicine

- 11.30 – 11.50 The Danish Blood Donor Study. Christian Erikstrup, Department of Clinical Immunology, Aarhus University Hospital, Aarhus, Denmark
- 11.50 – 12.10 Psychiatric disorders – the iPSYCH Project. Thomas Werge, Institute of Biological Psychiatry, Mental Health Centre Sct. Hans, Roskilde, Denmark
- 12.10 – 12.30 Infectious diseases – the Persimune Project. Jens Lundgren, Department of Infectious Diseases, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark

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12.30 – 13.30 Lunch

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### Session 3 (cont): Research projects using biobanks and big data medicine

- 13.30 – 13.50 Genetic markers of heart and vascular disease in Denmark. Erik Sørensen, Department of Clinical Immunology, Copenhagen University Hospital, Copenhagen, Denmark
- 13.50 – 14.10 Diet, Cancer and Health. Anne Tjønneland. Danish Cancer Society, Research Center, Copenhagen, Denmark

### Session 4: Legal and ethical aspects

- 14.10 – 14.30 Ethical aspects and dilemmas. Aaro Mikael Tupasela, Section for Health Services Research, University of Copenhagen, Copenhagen, Denmark
- 14.30 – 14.50 Legal aspects and dilemmas. Berit Faber, Section of Occupational and Environmental Health, University of Copenhagen, Copenhagen, Denmark

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14.50 – 15.20 Coffee and poster displays (sponsors)

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### Session 5: Future

- 15.20 – 15.40 Future structure for storage and application of health data from the perspective of “Danske Regioner”. Erik Jylling, Danske Regioner, Copenhagen, Denmark
- 15.40 – 16.00 What are biobanks and “big data” expected to contribute with in terms of health improvement and disease prevention? Mads Melbye, Statens Serum Institut, Copenhagen, Denmark

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16.00 - 16.15 Rounding off and finish of the meeting

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**Registration and Congress fee:** Please register by writing an email to [henrik.berg.rasmussen@regionh.dk](mailto:henrik.berg.rasmussen@regionh.dk) with your contact information and transfer DKK 225 to account 4420-4420472226 in Danske Bank. Remember to include your name on the bank transfer. Breakfast, lunch, coffee, cake/fruit are included. **Deadline for registration is April 12<sup>th</sup> 2018.**

The meeting is kindly sponsored by Eurofins Denmark and Bionordika Denmark A/S

