

Sex Differences in Metabolic and Cardiovascular Disease

Danish Cardiovascular Academy, Danish Diabetes Academy & Danish Data Science Academy

Date 14th to 16th of September 2022

Venue Sandbjerg Gods
Sandbjergvej 102
6400 Søborg

Course Fee 2.000 DDK; The course is free of charge for PhD Students and Postdoctoral Fellows

Preliminary programme

DAY 1

Opening Session

09:30 - 10:00 Registration/Coffee
10:00 - 10:15 Welcome and outline of the day

Session 1 How much does sex and gender matter in metabolic and cardiovascular disease?

10:15 - 10:45 **Sex and Gender roles in Insulin Resistance and Type 2 Diabetes**
Professor Michael D. Jensen, Mayo Clinic, U.S.
10:45 - 10:55 Q&A
10:55 - 11:25 **Sex and Genders role in Cardiovascular disease**
Professor Eva Gerds, University of Bergen, Norway
11:25 - 11:35 Q&A
11:35 - 11:50 Break

Session 2 Project Pitches

11:50 - 12:50 7 x 3 min + 2 min Q&A
12:50 - 13:50 Lunch

Session 3 Mechanistic pathways of sex differences - sex hormones and beyond

14:00 - 14:30 **Sex hormones**
Professor Ellen Løkkegaard, University of Copenhagen, Denmark
14:30 - 14:40 Q&A
14:40 - 15:10 **Estrogen and androgen receptors**
TBA
15:10 - 15:20 Q&A
15:20 - 15:45 Coffee break

Session 4

15:45 - 17:45 **Workshop on Data Science**
TBA

Afternoon

17:45-18.30 Free time
18.30 - 20.00 Dinner
20.00 - 21.00 **Evening session: Which is the healthier sex? - insights from humans and baboons**
Professor Kaare Christensen, Dept. of Public Health, University of Southern Denmark, Denmark

DAY 2

Opening Session

07:30 - 08:30	Breakfast
08:30 - 08:45	Welcome and outline of the day

Session 5

Tissue-specific sex differences – and their role in diabetes/CVD

08:45 - 09:15	<i>Sex differences in liver lipoprotein metabolism and impact on atherosclerosis risk</i> Associate Professor John Stafford, MD, PhD, Vanderbilt University School of Medicine
09:15 - 09:25	Q&A
09:25 - 09:55	<i>Adipose tissue</i> Professor Fredrik Karpe, University of Oxford, United Kingdom
09:55 - 10:05	Q&A
10:05 - 10:20	Coffee break
10:20 - 10:50	<i>Dyslipidemia in women and men: a life course approach</i> Ass. Professor Jeanine Roeters van Lennep, University Medical Center Rotterdam, The Netherlands
10:50 - 11:00	Q&A

Session 6

Project Pitches

11:15 - 12:15	7 x 3 min + 2 min Q&A
12:30 - 13:30	Lunch

Session 7

Heart, brain and sex

13:30 - 14:00	<i>Sex and cardiac ischemia</i> Professor Eva Prescott, Bispebjerg University Hospital, Denmark
14:00 - 14:10	Q&A
14:10 - 14:40	<i>Epidemiological evidence on links between metabolic disease, CVD and dementias - focus on sex differences</i> Janet Janbek, postdoc at Danish Dementia Research Centre, Denmark
14:40 - 14:50	Q&A
14:50 - 15:00	Coffee break

Session 8

Poster Presentations

15:00 - 16:30	Poster viewing
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Afternoon

16.30 - 18.00	Networking activity
18:00 - 18:30	Free time
18.30 - 20.00	Dinner
20.00 - 21.00	Evening session: Inspirational talk - TBA

DAY 3

Opening Session

07:30 - 08:30	Breakfast
08.30 - 08.45	Welcome and outline for the day
08:45 - 09:15	<i>The X and Y Chromosomes</i> Professor Claus Højbjerg Gravholt, MD, PhD, Dr.Med.Sci, Dept. of Endocrinology and Dept. of Molecular Medicine (MOMA), AUH, Denmark
09:15 - 09:25	Q&A

Session 9

Metabolism and vasculature in muscle

09:25 - 09:55	<i>Men are from Mars and women from Venus - Sex differences in the regulation of skeletal muscle mass</i> Associate Professor Mette Hansen, Dept. of Public Health - Sport Science, Aarhus University, Denmark
09:55 - 10:05	Q&A
10:05 - 10:35	<i>The role of sex and age for vascular improvements with physical activity</i> Professor Ylva Hellsten, University of Copenhagen, Denmark
10:35 - 10:45	Q&A

10:45 - 11:00	Coffee break
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Session 10	Sex differences in big data
11:00 - 11:30	<i>GWAS and body fat distribution</i> Samvida Venkatesh, PhD Student Oxford Big Data Institute, UK
11:30 - 11:40	Q&A
11:40 - 12:10	<i>Sex and gut microbiota</i> Professor Susanne Brix Pedersen, DTU, Denmark
12:10 - 12:20	Q&A
12:20 - 12:50	<i>Data Science in Omic analysis</i> Speaker TBA
12:50 - 13:00	Q&A
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Closing Session	
13:00 - 14:00	Lunch and poster prize ceremony
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