



Danish Diabetes Academy

Basal Metabolism & Molecular Mechanisms in Diabetes

25-27 November 2019

Sinatur Hotel Storebælt,
Østerøvej 121, 5800 Nyborg

Programme

Monday 25 November



08.30– 09:00	Registration and breakfast
09:00–09:30	Welcome and Meet & Greet Professor Nils Færgeman , University of Southern Denmark (DK)
Session I	Basal concepts and overview of metabolic diseases Chair: Postdoc Rasmus Kjøbsted , University of Copenhagen (DK)
09:30-10:00	Molecular mechanisms of insulin resistance Professor Kurt Højlund , Steno Diabetes Centre Odense (DK)
10:00-10:15	Question & Answers
10:15-10:30	Energizer
10:30-11:00	Metabolic Fatty Liver (MFL) – from insulin resistance to the multi-hit hypothesis Professor Henning Grønbæk , Aarhus University (DK)
11:00-11:15	Question & Answers
11:15-11:45	Coffee break
11:45-12:15	Insulin resistance in adipose tissue Senior Researcher Esben Søndergaard , Aarhus University (DK)
12:15-12:30	Question & Answers

12:30-13:30 Lunch

Session II Pathophysiologies in Diabetes I (pancreas)

Chair: Postdoc **Linn Gillberg**, Rigshospitalet (DK)

13:30-14:00 Inflammatory mechanisms underlying beta-cell failure in type 1 and type 2 diabetes

Professor **Thomas Mandrup-Poulsen**, University of Copenhagen (DK)

14:00-14:15 Question & Answers

14:15-14:20 Energizer

14:20-14:50 Overlooked and undervalued - is glucagon a central player in diabetes development?

Assistant Professor **Jakob Grunnet Knudsen**, University of Copenhagen (DK)

14:50-15:05 Question & Answers

15:05-15:35 Coffee break

15:35-16:05 Non-Coding RNA in Pancreas and β -Cell Development

Professor **Louise Dalgaard**, Roskilde University (DK)

16:05-16:20 Question & Answers

16:20-17:00 Follow-up on session I and II

17:00-18:30 Free time

18:30-20:00 Dinner

20:00- Coffee/tea and games in the basement

Programme

Tuesday 26

07:00-09:00 Breakfast & Morning exercise

Session III Treatment of metabolic diseases

Chair: Clinical Researcher Kirstine Bojsen-Møller, Hvidovre Hospital (DK)

09:00-09:30 TBD

Professor **Søren Nielsen** Steno Diabetes Centre Aarhus (DK)

09:30-09:45 Question & Answers

09:45-10:15 Metformin – the pursuit of a mechanism

Professor **Niels Jessen**, Aarhus University (DK)

10:15-10:30 Question & Answers

10:30-11:00 Coffee break

11:00-11:30 Bariatric surgery - effects on appetite regulation and diabetes

Clinical Researcher **Kirstine Bojsen-Møller**, Hvidovre Hospital (DK)

11:30-11:45 Question & Answers

11:45-12:00 Follow up on session III

12:00-13:00 Lunch

13:00-14:30 Workshop I

A: Professor **Dorte Møller Jensen**, Odense University Hospital (DK): Gestational diabetes mellitus (GDM)

B: Postdoc **Rasmus Kjøbsted**, University of Copenhagen (DK): The Exercise Pill – Treating T2D by Exercise-Mimetics

C: Professor **Niels Jessen**, Aarhus University (DK): Techniques for measurement of insulin sensitivity

14:30-15:00 Coffee break

15:00-16:30

Workshop II

D: Professor **Nils Færgeman**, University of Southern Denmark (DK) / Postdoc **Jesper Havelund**, University of Southern

Denmark (DK): Metabolomics applied to the study of diabetes

E: Associate Professor **Tune Pers**, University of Copenhagen (DK): Bioinformatics: Towards precision medicine in T2D

F: Professor **Lars Melholt Rasmussen**, University of Southern Denmark (DK): Proteomics applied to the study of cardiovascular complications to diabetes

16:30-18:30

Free time

18:30-20:00

Dinner

20:00-

Bonfire, Gløgg, and æbleskiver

Programme

Wednesday 27

07:00-09:00 Breakfast & Morning exercise

Session IV Pathophysiologies in Diabetes II (nephropathy, wound healing)

Chair: PhD **Line Bisgaard Jørgensen**, University of Southern Denmark (DK)

09:00-09:30 Small Non-Coding RNAs modulates Wound Healing in Diabetes

Assistant Professor **Anja Elaine Sørensen**, Roskilde University (DK)

09:30-09:45 Question & Answers

09:45-10:00 Energizer

10:00-10:30 Pain in Diabetes: mechanisms, pathophysiology and diagnosis

Assistant Professor **Páll Karlsson**, Aarhus University (DK)

10:30-10:45 Question & Answers

10:45-11:15 Coffee break

11:15-11:45 Pathophysiology of diabetic kidney disease

Professor **Peter Rossing**, Steno Diabetes Center Copenhagen (DK)

11:45-12:00 Question & Answers

12:00-12:30 Kahoot

12:30-13:30 Lunch

13:30-15:00 Workshop III

G: Professor **Jan-Wilhelm Kornfeld**, University of Southern Denmark (DK) / Postdoc **Joo Hyun Park**, University of Southern

Denmark (DK): Does diabetes start from before conception? – A transgenerational perspective on Metabolic Disease

H: Clinical Professor **Aase Handberg**, Aalborg University (DK): Extracellular vesicles and non-alcoholic fatty liver disease.

I: Principal Scientist **Jacob Hecksher-Sørensen**, Gubra (DK): Action of peptide-based pharmaceuticals in the brain

15:00-15:30 Coffee break

15:30-16:00 Closing remarks & evaluation

16:00-16:30 Goodbye & Departure



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