

Diabetes reclassification and obesity – whom to treat and how?

Nordic meeting at Solstrand Hotel, Bergen, Norway, March 9-11, 2022

Wednesday, March 9, 2022

11.30-13.00 **Registration and lunch**

Opening

13.00-13.20 Pål Njølstad, UiB
Precision diabetes medicine - hype or hope?

Preventive diabetes treatment



13.20-13.40 Allan Vaag, Steno Diabetes Center **Chair: Pål Njølstad**
Does the fetal environment define a distinct and potentially more severe T2D subgroup?

13.40-14.00 Kåre Birkeland, UiO
A suggestion for an evidence-based re-classification of type 2 diabetes for targeted treatment in subgroups

14.00-14.20 Jøran Hjelmæsæth, MOC, Tønsberg
Obesity and type 2 diabetes – bariatric surgery as a cure?

14.20-15.00 **Minute Poster Blitz - Coffee break - Mini poster session 1**

Keynote speaker

15.00-16.00 Matthias Blüher, University of Leipzig, Germany **Chair: Liisa Hakaste**
Weight management in individuals with obesity



16.00-16.20 **Coffee break**

Tissue function 2 - adipose tissue in obesity and diabetes I



16.20-16.40 Gunnar Mellgren, UiB **Chair: Simon N. Dankel**
New players in development of obesity

16.40-17.00 Karin Stenkula, LU
Adipocyte dysfunction at the early stage of insulin resistance

17.00-17.20 Stefan Johansson, UiB
Insights from the changing genetic landscape regulating BMI in infancy and early childhood.

17.30-18.00 **Coffee break**

Tissue function 2 - adipose tissue in obesity and diabetes II



18.00-18.20 Johan Fernø, HUS **Chair: Liisa Hakaste**
Characterizing subtypes of adipose tissue macrophages

18.20-18.40 Iiro Karhiahho, FIMM
Population characteristics of fatty liver disease using big real world data

18.40-19.00 Philipp Kaldis, LUDC
The guilty liver in insulin resistance

19.00-20.00 Intermission

20.00 - **Dinner**

07.30-09.00 Breakfast

Keynote speaker

09.00-10.00 Lora Heisler, University of Aberdeen, UK
Targeting the brain to improve obesity and type 2 diabetes

Chair: Johan Fernø 

Tissue function 2 - the obese brain



10.00-10.20 Joao Duarte, LUDC
Brain dysfunction in obesity-associated insulin resistance

Chair: Johan Fernø

10.20-10.40 Thomas Deierborg, LU
Physical activity and its effect on brain diseases

Pharma industry symposium



10.40-11.00 Novo Nordisk

Chair: Pernille Svalastoga

11.00-11.40 Minute Poster Blitz - Coffee break - Mini poster session 2 Chair: Pernille Svalastoga

Keynote speaker

11.40-12.40 Jose Florez
Massachusetts General Hospital, Broad Institute, Harvard Medical School
Towards precision medicine in diabetes: Using genetics to understand disease heterogeneity

Chair: Johan Fernø



12.40-13.40 Lunch

Diabetes reclassification - phenotypes and genotypes I



13.40-14.00 Emma Ahlqvist, LUDC
The new diabetes subclasses - an update

Chair: Ola Hansson

14.00-14.20 Rashmi Prasad, LUDC
Diabetes subclasses in South East Asia

14.20-14.40 Alyona Fedotkina, UiB
The effect of parentage on the nature of hyperglycemia

14.40-15.00 Anders Rosengren, University of Gothenburg
Treatment of the subclasses

15.00-15.20 Coffee break

Diabetes reclassification - phenotypes and genotypes II



15.20-15.40 Minna Harsunen, FIMM
Genetic diagnosis can motivate major changes in diabetes treatment

Chair: Valeriya Lyssenko

15.40-16.00 Jakob Stidsen, SDU Odense
Pathophysiological phenotypes of type 2 diabetes – results from the DD2 study

16.00-16.20 Liisa Hakaste, FIMM
Guidelines or recommendations?

16.20-17.00 Minute Poster Blitz - Coffee break - Mini poster session 3

Nordic spa meets science

17.00-20.00 Challenge your inner viking with a swim in the freezing fjord, or try a Finnish sauna! Or just relax and have stimulating conversations with current and future research collaborators!

20.00 - Dinner

- Announcement of Molecular Metabolism Early Career Researcher (ECR) prize
- Poster prizes

07.30-09.00 Breakfast

Tissue function 3 - pancreas



- 09.00-09.20 Torben Hansen, NNCBMR **Chair: Ola Hansson**
Deterioration of insulin secretion - how it happens
- 09.20-09.40 Simona Chera, UiB
Beta to alpha cells and back
- 09.40-10.00 Anders Molven, UiB
Does exocrine pancreatic disease always lead to diabetes? Lessons from the MODY8 mouse

10.00-10.20 Coffee and tea

Tissue function 4 - muscle and the vascular system



- 10.20-10.40 Ola Hansson, LUDC, FIMM **Chair: Valeriya Lyssenko**
Can we enhance health benefits of exercise by optimizing recovery?
- 10.40-11.00 Per Henrik Groop, FIMM
Diabetes kidney disease

11.00-11.30 Break - checkout

11.30-12.20 Parallel session I: **Chair: Pernille Svalastoga and Luiza Ghila**

Workshop of PhD students and Postdoc with moderator

11.30-12.20 Parallell session II: **Chair: Valeriya Lyssenko**

NORDFORSK/ERC executive group meeting

12.20-13.20 Lunch

Round table discussion

Chair: Allan Vaag

- 13.20-14.40 **Nordic alliance on how to reach consensus on characterizing patients with diabetes into novel subtypes**

Summary



- 14.40-15.00 Tiinamaija Tuomi, FIMM, Helsinki University Hospital **Chair: Valeriya Lyssenko**
A look into the crystal ball

Departure