Neuroscience
Academy Denmark

Danish Diabetes and
Endocrine Academy

Neuroendocrine Control of Energy Metabolism: *Pathways to Therapy*

28-29 May 2026

University of Copenhagen
Victor Haderup Auditorium
Blegdamsvej 3B
DK-2200 Copenhagen N

Session overview

Day 1	**Thursday 28 May** **Victor Haderup Auditorium**
Session I	Endocrine Circuits Across the Gut, Brain, and Adipose Axis
Session II	Short Talks Selected from Submitted Abstracts
Session III	Circuits Controlling Food Intake – Food Motivation and Reward
Poster Session I	Open poster session: Even numbers

Day 2	**Friday 29 May** **Victor Haderup Auditorium**
Session IV	Emerging Technologies to Identify Novel Energy-Homeostatic Circuits
Session V	Short Talks Selected from Submitted Abstracts
Poster Session II	Open poster session: Odd numbers
Session VI	Central Regulation of Energy Balance and Metabolism

Programme
Thursday 28 May

08:30-09:30	Registration, light breakfast & mounting of posters
09:30-09:50	Welcome and meet & greet Education and Networking Coordinator **Pernille Bruun Nielsen**, Danish Diabetes and Endocrine Academy (DK) & Executive Director **Nicolas Caesar Petersen**, Neuroscience Academy Denmark (DK)
09:50-10:00	Introduction by the scientific organisers
Session I	**Endocrine Circuits Across the Gut, Brain, and Adipose Axis** Chair: Professor **Jan Wilhelm-Kornfeld**, Department of Biochemistry and Molecular Biology, University of Southern Denmark (DK)
10:00-10:20	You Are What You Eat: Food Impact Human Brain Function via Metabolic Pathways Professor, Head of Department - Decision Neuroscience and Nutrition **Soyoung Park**, Charité – Universitätsmedizin Berlin and German Institute for Human Nutrition (DE)
10:20-10:30	Questions & answers
10:30-10:50	The Role of Stress-induced FGF21 in Metabolic Disease Professor **Susanne Keipert**, Institute of Human Genetics, University of Lübeck (DE)
10:50-11:00	Questions & answers
11:00-11:30	Coffee break & networking at posters

11:30-11:50	Brainstem Pathways Modulating Food Intake Assistant Professor **Marie Holt**, Department, University of Warwick (UK)
11:50-12:00	Questions & answers
Session II	**Short Talks Selected from Submitted Abstracts** Chair: Professor **Jan Wilhelm-Kornfeld**, Department of Biochemistry and Molecular Biology, University of Southern Denmark (DK) & PhD Student **Charlotte Høy Sander Kruse**, Novo Nordisk Foundation Center for Metabolic Research, University of Copenhagen (DK)
12:00-12:10	Thermoregulatory mPOA PNOC Neurons Modulate Adipose Tissue Metabolism PhD Student **Asma Saidi**, Helmholtz Institute for Metabolic, Obesity, and Vascular Research, Leipzig (DE)
12:10-12:15	Questions & answers
12:15-12:25	The Effect of Human Fat Derived Peptides on the Hypothalamus PhD Student **Oliver Haglund**, Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen (DK)
12:25-12:30	Questions & answers
12:30-13:30	Networking lunch
Session III	**Circuits Controlling Food Intake – Food Motivation and Reward** Chairs: Professor **Henriette Kirchner,** Institute for Human Genetics, Center of Brain, Behavior and Metabolism, University of Lübeck (DE) & Associate Professor **Anna Mathia Klawonn,** Danish Research Institute of Translational Neuroscience (DANDRITE), University of Aarhus (DK)

13:30-13:50	Neurocircuits of Food Sensory Perception Principal Investigator, Dr. **Sophie Steculorum**, Max Plank Institute for Metabolism Research, Cologne (DE)
13:50-14:00	Questions & answers
14:00-14:20	Understanding POMC Neurons Heterogeneity in Energy Balance and Beyond Laboratory Head and Deputy Director **Daniela Cota**, Neurocentre Mangendie, National Institute of Health and Medical Research, University of Bordeaux (FR)
14:20-14:30	Questions & answers
14:30-15:00	Coffee break & networking at posters
15:00-15:20	Isogenic Mice Choosing Between Food and Drug Rewards Professor **Christian Lüscher**, Department of Basic Neurosciences, Geneva University Neurocenter (CH)
15:20-15:30	Questions & answers
15:30-15:40	Concluding remarks of the scientific sessions
Poster Session I	
15:40-17:00	Open poster session: Even numbers
17:00-17:45	Networking & wine at posters
18:30-20:30	Symposium dinner Food Club Nørrebro Sortedam Dossering 7C 2200 Nørrebro

Programme
Friday 29 May

08:00-08:30	Coffee, tea & light breakfast
08:30-08:40	Welcome back
Session IV	**Emerging Technologies to Identify Novel Energy-Homeostatic Circuits** Chair: Professor **Henriette Kirchner,** Institute for Human Genetics, Center of Brain, Behavior and Metabolism, University of Lübeck (DE)
08:40-09:00	Neuronal Phenotyping with Single-cell Profiling of Morphology and Gene Expression Group Leader, Assistant Professor **Helena Kilpinen**, Institute for Molecular Medicine Finland, Helsinki Institute of Life Science, University of Helsinki (FI)
09:00-09:10	Questions & answers
Session V	**Short Talks Selected from Submitted Abstracts** Chairs: Associate Professor **Anna Mathia Klawonn,** Danish Research Institute of Translational Neuroscience (DANDRITE), University of Aarhus (DK) & PhD Student **Charlotte Høy Sander Kruse**, Novo Nordisk Foundation Center for Metabolic Research, University of Copenhagen (DK)
09:10-09:20	Role of tanycytes in amyloid beta clearance from the CSF and their relevance in Alzheimer's disease Postdoctoral Fellow **Nina Feller**, Center of Brain, Behavior and Metabolism, University of Lübeck, Lübeck (DE)
09:20-09:25	Questions & answers

09:25-09:35 Pharmacological inhibition of AOC3 mitigates obesity and potentiates GLP1Ra mediated weight loss by adipose-selective increases in energy expenditure

Postdoctoral Fellow **Ana Tavanez**, Department for Biochemistry and Molecular Biology, University of Southern Denmark (DK)

09:35-09:40 Questions & answers

Poster Session II

09:40-11:00 Coffee & open poster session: Odd numbers

Session VI **Central Regulation of Energy Balance and Metabolism**

Chairs: Professor **Tune H. Pers** & Associate Professor **Christoffer Clemmensen**, Novo Nordisk Foundation Center for Metabolic Research, University of Copenhagen (DK)

11:00-11:20 A PNOC Preoptic Neurocircuit Suppresses Thermogenesis and Promotes Energy Conservation

Group Leader, Dr. **Alexander Jais**, Helmholtz Young Investigator Group “Diet-Induced Metabolic Alterations”, Helmholtz Institute for Metabolic, Obesity and Vascular Research, Munich (DE)

11:20-11:30 Questions & answers

11:30-11:50 Emerging Role of Oligodendrocytes in Glycemic Control in Health and Disease

Programme Leader, Dr. **Clémence Blouet**, MRC Metabolic Disease Unit, Institute of Metabolic Science, Department of Clinical Biochemistry, University of Cambridge (UK)

11:50-12:00 Questions & answers

12:00-12:05 Energizer

12:05-12:25 Tanycytes: Bloodhounds of the Metabolic Brain

Senior Research Director and Head of the Laboratory **Vincent Prévot**, National Institute of Health and Medical Research

(INSERM) and Development & Plasticity of the Neuroendocrine Brain Team, Lille Neuroscience & Cognition Research Center (FR)

12:25-12:35 Questions & answers

12:35-12:45 Concluding remarks & lunch to-go

Organising Committee

This symposium is organised by the Neuroscience Academy Denmark (NAD) and the Danish Diabetes and Endocrine Academy (DDEA) to ultimately lead to more interdisciplinary research and training activities.

Anna Mathia Klawonn, Associate Professor, Group leader, Danish Research Institute of Translational Neuroscience (DANDRITE), University of Aarhus (DK)

Charlotte Høy Sander Kruse, PhD Student, Novo Nordisk Foundation Center for Metabolic Research, University of Copenhagen (DK)

Christoffer Clemmensen, Associate Professor, Group leader, Novo Nordisk Foundation Center for Metabolic Research, University of Copenhagen (DK)

Henriette Kirchner, Professor, Group leader, Institute for Human Genetics, Center of Brain, Behavior and Metabolism, University of Lübeck (DE)

Jan-Wilhelm Kornfeld, Professor, Group leader, Department of Biochemistry and Molecular Biology, University of Southern Denmark (DK)

Tune H. Pers, Professor, Group leader, Novo Nordisk Foundation Center for Metabolic Research, University of Copenhagen (DK)

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