



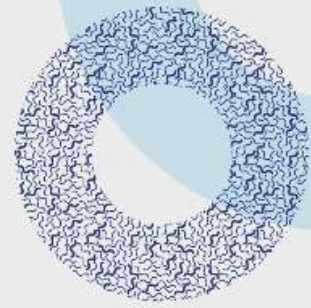
Danish Diabetes and  
Endocrine Academy

# Extracellular Vesicles in Endocrinology and Metabolism

1-2 June 2023

Comwell Hvide Hus Aalborg  
Vesterbro 2, 9000 Aalborg  
Denmark

# Session overview



## **Day 1**

Session I  
Session II  
Session III  
Session IV

## **Thursday 1<sup>st</sup> of June**

Extracellular Vesicles – An Introduction  
Fetal Programming and Extracellular Vesicles  
Physiological effects of Extracellular Vesicles in Endocrinology  
Poster Pitches and Presentations

## **Day 2**

Session V  
Session VI

## **Friday 2<sup>nd</sup> of June**

Workshops  
Obesity, Diabetes and Extracellular Vesicles

# Programme

## Thursday 1<sup>st</sup> of June

08:30-09:00 Light breakfast

09:00-09:45 Registration and mounting of posters

09:45-10:00 Welcome

Education & Networking Manager **Gretchen Repasky**, DDEA (DK)

Professor **Aase Handberg**, Aalborg University (DK)

Associate Professor **Anne Nødgaard Weidemann Sørensen**, Aalborg University (DK)

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

Associate Professor **Ulla Kampmann Opstrup**, Aarhus University (DK)

### Session I Extracellular Vesicles – An Introduction

Chair: Associate Professor **Anne Nødgaard Weidemann Sørensen**, Aalborg University (DK)

10:00-10:30 Introduction to Extracellular Vesicles

Associate Professor **Carlos Salomon**, Centre for Clinical Research, Faculty of Medicine, The University of Queensland (AU)

10:30-10:45 Questions & answers

### Session II Fetal Programming and Extracellular Vesicles

Chair: Associate Professor **Anne Nødgaard Weidemann Sørensen**, Aalborg University (DK) and Associate Professor **Ulla Kampmann Opstrup**, Aarhus University (DK)

10:45-11:15 Impact of an adverse fetal environment on offspring health – can we prevent the unhealthy consequences?

Senior Scientist and Team Leader **Louise Grunnet**, Steno Diabetes Center Copenhagen and Department of Global Health, University of Copenhagen (DK)

11:15-11:30 Questions & answers

11:30-12:15 Lunch

12:15-12:45 Fetal-maternal communication via extracellular vesicles – Implications for complications of pregnancies

Associate Professor **Carlos Salomon**, Centre for Clinical Research, Faculty of Medicine, The University of Queensland (AU)

12:45-13:00 Questions & answers

13:00-13:30 Diabetes in pregnancy – fetal programming and future perspectives

Senior consultant, **Tine Dalsgaard Clausen**, Department of Obstetrics, Center for Pregnant Women with Diabetes, Copenhagen University Hospital, Rigshospitalet (DK)

13:30-13:45 Questions & answers

13:45-14:00 Stretch break

14:00-14:10 Plasma Exosome-Enriched Extracellular Vesicles From Lactating Mothers With Type 1 Diabetes

PhD Fellow **Caroline Frørup**, Steno Diabetes Center Copenhagen (DK)

14:10-14:15 Questions & answers

### Session III **Physiological effects of Extracellular Vesicles in Endocrinology**

Chair: Professor **Louise Torp Dalgaard**, Roskilde University (DK)

14:15-14:45 Tissue cross-talk via extracellular vesicles in metabolism

Research Director **Sophie Rome**, Department of Human Nutrition, INRAe Institute (FR)

14:45-15:00 Questions & answers

15:00-15:30 Coffee and cake

15:30-16:00 Extracellular vesicles as signalling mediators in thyroid development and cancer

Professor **Christophe Pierreux**, Faculty of Medicine and Dentistry, Institute de Duve, UCLouvain (BE)

16:00-16:15 Questions & answers

16:15-16:25 *Short talk selected from abstracts:* Lipoglucotoxicity associated high-fat diets affects the biological activity of M2-CD163+ macrophage-release extracellular vesicles which affect skeletal muscle cell homeostasis

Postdoc **Stefano Tacconi**, Lyon-Sud Faculty of Medicine, University of Lyon (FR)

16:25-16:30 Questions & answers

16:30-16:45 Day 1 reflections and concluding remarks

Organising committee for the scientific programme

16:45-18:00 Hotel check-in &

Walk & talk in the city (optional)

#### **Session IV** **Poster Session**

Chair: Associate Professor **Ulla Kampmann Opstrup**, Aarhus University (DK)

18:00-19:30 Poster pitches & presentations

19:30- Dinner at Hotel Hvide Hus

21:00- Coffee, tea & informal networking

# Programme

## Friday 2<sup>nd</sup> of June

08:30-09:00 Light breakfast

### Session V Workshops (in parallel)

Chair: Professor **Louise Torp Dalgaard**, Roskilde University (DK)

09:00-09:15 Introduction to the workshops

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

09:15-10:30 Workshop #1 Methods and sample handling for EV studies (Room M1)

Associate Professor **Carlos Salomon**, Centre for Clinical Research, Faculty of Medicine, The University of Queensland (AU)

09:15-10:30 Workshop #2 Analysis of small RNAs within extracellular vesicles using sequencing (Room Lounge V)

Postdoc **Dominic Guanzon**, Centre for Clinical Research, Faculty of Medicine, The University of Queensland (AU)

10:30-11:00 Coffee break

### Session VI Obesity, Diabetes and Extracellular Vesicles

Chair: Professor **Aase Handberg**, Aalborg University (DK)

11:00-11:30 The role of intra-organ fat in the aetiology of type 2 diabetes

Professor **Roy Taylor**, Translational and Clinical Research Institute, Newcastle upon Tyne (UK)

11:30-11:45 Questions & answers



- 11:45-12:30 Lunch
- 12:30-13:00 Hepatocyte-secreted Extracellular Vesicles in liver affecting pathologies  
Research Professor **Juan Falcón Pérez**, CIC BioGUNE - Center for Cooperative Research in Biosciences (ES)
- 13:00-13:15 Questions & answers
- 13:15-13:30 EV-array as a Screening Tool for New NAFLD Biomarkers  
Associate Professor **Malene Møller Jørgensen**, Department of Clinical Immunology, Aalborg University Hospital, Department of Clinical Medicine, Aalborg University (DK)
- 13:30-13:40 Questions & answers
- 13:40-14:10 Endothelial cell derived Extracellular Vesicles in Metabolic Cardiovascular Disease  
Professor **Naveed Akbar**, Division of Cardiovascular Medicine, University of Oxford (UK)
- 14:10-14:25 Questions & answers
- 14:25-14:35 Stretch break
- 14:35-15:05 EVs in metabolism –wrap up  
Associate Professor **Carlos Salomon**, Centre for Clinical Research, Faculty of Medicine, The University of Queensland (AU)  
Research Director **Sophie Rome**, Department of Human Nutrition, INRAe Institute (FR)
- 15:05-15:15 Reflections and concluding remarks  
Organising committee for the scientific programme
- 15:15- Coffee, cake and informal networking

# Organising Committee Scientific Programme

Professor **Aase Handberg**, Aalborg University (DK)

Associate Professor **Anne Nødgaard Weidemann Sørensen**, Aalborg University (DK)

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

Associate Professor **Ulla Kampmann Opstrup**, Aarhus University (DK)



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