

TUESDAY

15 September

12:15-12:45 LUNCH

12:45-13:00 WELCOME ADDRESS

13:00-13:45 OPENING LECTURE

Gastro-intestinal peptide hormones, from basic research in clinical biochemistry to major public impact

Chairs: Professor *Ebba Nexø* (Aarhus, DK) and Professor *Jens Hannibal* (Copenhagen DK)

Professor *Jens Juul Holst*, The Novo Nordisk Foundation Center for Basic Metabolic Research and Department of Biomedical Sciences, University of Copenhagen, Denmark



Jens Juul Holst is Professor at the Department of Biomedical Sciences and Senior Group Leader at the Novo Nordisk Foundation Centre for Basic Metabolic Research, University of Copenhagen, Denmark. His scientific work has focused on peptide hormones of the gastrointestinal tract. Among his major scientific achievements is work on the peptide hormone GLP-1 (glucagon-like peptide 1) and its significance for insulin secretion, food intake, and appetite control. His work has been of major importance for the development of GLP-1 analogue therapeutics now in use around the world to treat type 2 diabetes and obesity.

14:00 -15:30 SESSION 1

Novel diagnostic opportunities in neurological disease and cognitive decline

Chairs: Professor *Ruth Frikke-Schmidt* (Copenhagen, DK) and Associate professor *Tina Parkner* (Aarhus, DK)

14:00 - 14:25

From Ambulance to Bedside and Back: Blood-Based Biomarkers in Acute Stroke

Associate Professor *Rolf Blauenfeldt*

Department of Neurology, Aarhus University Hospital, Aarhus, Denmark

14:25 - 14:45

Blood-based biomarkers in early Alzheimer's disease

Associate Professor *Niels Okkels*

Department of Neurology, Aarhus University Hospital, Aarhus, Denmark

14:45 - 15:05

NFL measurements in multiple sclerosis

Professor *Finn Sellebjerg*

Danish Multiple Sclerosis Center, Rigshospitalet, Copenhagen, Denmark

15:05 - 15:25

Prognostication of cognitive status after cardiac arrest by plasma NFL

Professor *Christian Hassager*

Department of Cardiology, Rigshospitalet, Copenhagen, Denmark

14:00 -15:30 SESSION 2

Sustainability in lab

Chair: Associate professor *Peter H. Nissen* (Aarhus, DK)

14:00 - 14:35

Sustainability in the clinical laboratory – from procurement to waste

Sustainability consultant *Dang Quang Svend Le*

Central Region Midt, Aarhus, Denmark

14:35 - 15:00

Blood collection tubes – from hazardous waste to valuable resource

Special consultant *Caroline Strudwick* and Chief Physician *Mads Nybo*
Health Innovation Centre of Southern Denmark and Department of Clinical Biochemistry, Odense University Hospital, Odense, Denmark

15:00 - 15:25

Towards a greener biobank – initiatives in Bio- and GenomBank Denmark

Professor *Estrid V. Høgdal*
Department of Pathology, Copenhagen University Hospital – Herlev and Gentofte, Copenhagen, Denmark

14:00 -15:30 SESSION 3

Thyroid function tests – past, present, and beyond

Chairs: Lead consultant *Stine Linding Andersen* (Aalborg DK) and Professor *Tuija Männistö* (Kuopio, FI)

14:00 - 14:30

Efforts of harmonization and standardization

Chair of the IFCC Committee on Standardization of Thyroid Function Tests
Katleen Van Uytfaange
Department of Bioanalysis, University of Ghent, Ghent, Belgium

14:30 - 14:45

Reference intervals in non-pregnant adults

Lead consultant *Stine Linding Andersen*

Department of Clinical Biochemistry, Aalborg University Hospital, Aalborg, Denmark

14:45 - 15:05

Considerations in pregnant women

Professor *Tuija Männistö*

University of Eastern Finland, Kuopio, Finland

15:05 - 15:30

Free thyroid hormones measured with mass spectrometry

Research Scientist *Alexander Bauer Westbye*
Hormone Laboratory, Department of Medical Biochemistry, Oslo University Hospital, Oslo, Norway

15:45 - 17:15 SESSION 4

What's new: Lipids, lipoproteins, and cardiovascular risk

Chairs: Professor *Marianne Benn* (Copenhagen, DK) and Professor *Pia Rørbæk Kamstrup* (Copenhagen, DK)

15:50 - 16:10

Lipid metabolism – an overview

Professor *Jan Boren*
Department of Molecular and Clinical Medicine, University of Gothenburg, Gothenburg, Sweden

16:10 - 16:25

Lipoprotein(a)

Professor *Pia Rørbæk Kamstrup*
Department of Clinical Biochemistry, Herlev and Gentofte Hospital, Copenhagen, Denmark

16:25 - 16:40

Remnant cholesterol

Professor *Børge Nordestgaard*
Department of Clinical Biochemistry, Herlev and Gentofte Hospital, Copenhagen, Denmark

16:40 - 16:55

Women, lipids and cardiovascular risk

Professor *Kirsten Bjørklund Holven*
Institute for Nutrition Research, University of

16:55 - 17:15

Cardiometabolic disease

Professor *Stefano Romeo*
Department of Medicine, Karolinska Institute,

15:45 - 17:15 SESSION 5

ctDNA for early detection and screening

Chairs: Professor *Lars Dyrskjøt Andersen* (Aarhus, DK) and Professor *Ole Halfdan Larsen* (Aarhus, DK)

15:45 - 16:05

ctDNA in cancer screening of the general population: Navigating test statistics and downstream harms

Professor *Stig Egil Bøjesen*
Department of Clinical Biochemistry, Herlev Gentofte Hospital, Copenhagen University Hospital, Copenhagen, Denmark

16:05 - 16:25

Tissue-naive tumour detection using plasma cell-free DNA

Professor *Jakob Skou Pedersen*
Department of Molecular Medicine (MOMA), Aarhus University Hospital, Aarhus, Denmark

16:25 - 16:45

ctDNA guided vs opportunistic colonoscopy screening for CRC detection after acute colonic diverticulitis

TBA
Department of Molecular Medicine (MOMA), Aarhus University Hospital, Aarhus, Denmark

16:45 - 17:05

TBA

15:45 - 17:15 SESSION 6

Establishing robust pediatric reference intervals

Chairs: Associate professor *Ingrid Alsos Lian* (Trondheim NO) and Dr *Lea Tybirk* (Aarhus DK)

15:45 - 16:15

Pediatric reference intervals in newborns and at 2 and 14-16 months of age - data from the Copenhagen Baby Heart Study

Professor *Ruth Frikke-Schmidt*
Department of Clinical Biochemistry, Herlev Gentofte Hospital, Copenhagen University Hospital, Copenhagen, Denmark

16:15 - 16:45

Pediatric reference intervals from the joint Nordic study including Swedish and Danish data, and challenges of the pediatric reference intervals

Associate professor *Peter Ridefelt*
Department of Medical Sciences, Clinical Chemistry, Uppsala University, Uppsala, Sweden

16:45 - 17:00

Selected abstract

17:00 - 17:15

Selected abstract

17:30 -18:00 OPENING CEREMONY