

THURSDAY

# 17 September

## 08:00 - 09:30 SESSION 16

Bone turnover markers for monitoring treatment for osteoporosis

Chairs: Professor *Niklas Rye Jørgensen* (Copenhagen DK) and Professor *Lasse Kristoffer Bak* (Copenhagen DK)

08:00 - 08:45

Bone turnover markers for monitoring osteoporosis treatment

Professor *Per Magnusson*

Department of Clinical Chemistry, Linköping University Hospital, Linköping, Sweden

08:45 - 09:15

Bone turnover markers in CKD-MBD

Ass. Professor *Hanne Skou Jørgensen*  
Dept. of Clinical Medicine and Dept. of Medicine and Nephrology, Aarhus University Hospital, Aarhus, Denmark

09:15 - 09:30

Health Economic Aspects of BTM use for monitoring osteoporosis treatment

Professor *Niklas Rye Jørgensen*  
Department of Clinical Biochemistry, Copenhagen University Hospital – Rigshospitalet, Copenhagen, Denmark

## 08:00 - 09:30 SESSION 17

“Illt er í ætt gjarnast”. Hereditary diseases in Iceland (session by IFKE)

Chairs: MscPharm *Leifur Franzson* (Reykjavik IS) and Senior Consultant *Ólöf Sigurðardóttir* (Reykjavik IS)

08:00 - 08:45

Hereditary Cystatin C Amyloid Angiopathy and related amyloidosis: Pathogenesis and clinical evaluation of NACA as a therapeutic candidate

Director of Clinical Development *Ásbjörg Ósk Snorradóttir*

Arctic Therapeutics, Iceland

08:45 - 09:30

Adenine phosphoribosyltransferase deficiency (APRT) ; a treatable rare cause of kidney stones and kidney failure. Is it time for newborn screening?

Professor *Vidar O. Edvardsson*

Department of Pediatric Nephrology and Solid Organ Transplantation. Barnaspítali Hringins, Reykjavík, Iceland.

## 08:00 - 09:30 SESSION 18

Biomarkers of ageing

Chair: Professor *Jens Petter Berg (Oslo NO)*

08:00 - 08:25

Insights into Human Aging: Mechanisms and Research Challenges

Professor *Lene Juel Rasmussen*

Department of Cellular and Molecular Medicine, University of Copenhagen, Copenhagen, Denmark

08:25 - 08:50

Refining biomarkers of aging

Associate professor *Sara Hägg*

Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden

08:50 - 09:15

Markers of youth in the blood of centenarians

Professor *Karl-Heinz Krause*

Department of Pathology and Immunology, University of Geneva, Geneva, Switzerland

09:15 - 09:30

Discussion

## 09:45 - 10:30 PLENARY LECTURE

The role of epigenetics in mediating health and disease

Chairs: TBA

Academy Research Fellow *Emma Raitoharju*, Faculty of Medicine and Health Technology, Biomedicine, Tampere University, Finland



Epigenetic profiles regulate cellular function and gene expression without altering the DNA sequence. These profiles, for example, ensure that daughter cells retain the identity (i.e. cell type) of their mother cells. From an individual's perspective, epigenetic mechanisms enable the body to adapt to environmental conditions and even allow the future offspring to adapt to anticipated conditions already during pregnancy. During lifespan, epigenetic profiles are responsive to external exposures, such as smoking and chronological age and can be used to measure these exposures indirectly, when data is not available. Epigenetic profiles also reflect broader phenotypes, such as rate of biological ageing, but the role of epigenetics in the pathology of non-communicable diseases as well as the clinical utility of these measurements is still under investigation.

## 10:45 - 12:15 PLENARY SESSION - PRIZE COMPETITION

The Lorentz Eldjarn prize competition for best publication

Chair: Professor, Managing Editor of SJCLI, *Jens Petter Berg* (Oslo, NO)



Wikipedia

The Scandinavian Journal of Clinical and Laboratory Investigation (SJCLI) has set up a prize committee, that nominates three first authors from the most cited articles in SJCLI. The authors are invited to present their study as a part of the scientific program at the Nordic Congress of Clinical Chemistry. Based on the scientific quality of the studies and the clarity of the presentations, the Prize Committee shall reach a consensus on the recipient of the first (100.000 DKK), the second (50.000 DKK) and the third prize (30.000 DKK). The recipients of the Prize will be announced by the Chairman of the Prize Committee at the banquet Thursday evening.

## 12:15-13:15 LUNCH

## 12:45 -13:15 POSTERWALK II

## 13:15 -14:45 PLENARY SESSION

UNIVANTS of Healthcare Excellence Award

Chairs: TBA

### 15:00 - 15:20 COMPANY SESSION

Abbott laboratories A/S

### 15:00 - 15:20 COMPANY SESSION

Roche Diagnostics A/S

### 15:00 - 15:20 COMPANY SESSION

TBA

### 15:25 - 15:45 COMPANY SESSION

TBA

### 15:25 - 15:45 COMPANY SESSION

TBA

### 15:25 - 15:45 COMPANY SESSION

TBA

## 16:00 - 17:30 SESSION 19

Biomarkers of chronic kidney disease

Chairs: Dr. *Jacob Rudjord Therkildsen* (Aarhus DK) and Associate professor *Søren Andreas Ladefoged* (Aarhus DK)

16:00 - 16:30

Biochemical assessment of kidney function/Which eGFR algorithm should be used?

Professor *Anders Larsson*

Department of Medical Sciences, Uppsala University, Uppsala, Sweden

## 16:00 - 17:30 SESSION 20

From Algorithm to Insight: Practical Applications of AI in Diagnostics

Chairs: Associate professor *Anders Mønsted Abildgaard* (Aarhus DK) and Resident *Doctor Lea Tybirk* (Aarhus DK)

16:00 - 16:30

Creating large-scale AI solutions for prediction from population-wide EHR data

Professor *Søren Brunak*

Department of Public Health & Novo Nordisk Foundation Center for Protein Research, University of Copenhagen, Copenhagen, Denmark

## 16:00 - 17:30 SESSION 21

Platelet function testing: old acquaintances and novel biomarkers

Chairs: Associate professor *Julie Brogaard Larsen* (Aarhus DK) and Associate professor *Johanne Andersen Højbjerg* (Aarhus DK)

16:00 - 16:30

Platelet function testing: State of the art

Associate professor *Peter Nissen*

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

16:30 - 17:00

New biomarkers of CKD

Professor *Henrik Birn*  
Department of nephrology, Aarhus University Hospital, Aarhus, Denmark

16:30 - 17:00

Information-driven care: Some AI use cases

Professor *Mattias Ohlsson*  
Computational Science for Health and Environment, Lund University, Lund, Sweden

16:30 - 17:00

Platelet micro-RNA: novel biomarkers in cardiovascular disease

*Dr Oliver Pedersen*  
Department of Cardiology, Aalborg University Hospital, Aalborg, Denmark

17:00 - 17:30

Ammonium-pH index in urine – a measure of tubular function independent of GFR in chronic kidney insufficiency?

Postdoctoral researcher *Peder Matzen Berg*,  
Special consultant *Mads Vaarby Sørensen*  
Department of Biomedicine, Aarhus University, Aarhus, Denmark

17:00 - 17:30

TBA

Clinical Data Science Specialist *Anders Bo Bojesen*

Novo Nordisk

17:00 - 17:30

TBA