



Neuro-SysMed

Annual Symposium



FRA
Center for Clinical
Treatment Research



Scientific program

Neuro-SysMed Annual Symposium

September 25-26, 2023
Solstrand, Norway



Neuro-SysMed



Haukeland University Hospital



Haraldsplass
Diakonale Sykehus



LAWSON
HEALTH RESEARCH INSTITUTE

Day 1: Monday September 25, 2023

08:00-09:20 Registration and coffee

09:20-09:30 Welcome by the Neuro-SysMed **Director Kjell-Morten Myhr** and **Co-Director Charalampos Tzoulis**

SESSION 1: THERAPEUTIC TRIALS IN NEURODEGENERATION, chair: Charalampos Tzoulis

09:30-10:25 Keynote Lecture by **Professor Kailash Bhatia**, Sobell Department of Movement Neuroscience at the Institute of Neurology, UCL, London, UK and the National Hospital for Neurology and Neurosurgery, London. Talk title: *Atypical" atypical parkinsonism*

10:25-10:50 **Professor Raymond Koopmans**, Radboud University Medical Center, the Netherlands. Talk title: *Palliative care in people with young onset dementia*

10:50-11:10 **Professor Bettina Husebø**, Neuro-SysMed and the Centre for Elderly and Nursing Home Medicine, University of Bergen. Talk title: *Visualization of pain in people with dementia by system analysis algorithms*

11:10-11:30 **Associate Professor Line Iden Berge**, Neuro-SysMed and the Department of Global Public Health and Primary Care, University of Bergen. Talk title: *Virtual darkness and digital phenotyping in specialized and municipal dementia care: The DARK.DEM randomized controlled trial*

11:30-12:30 Lunch break

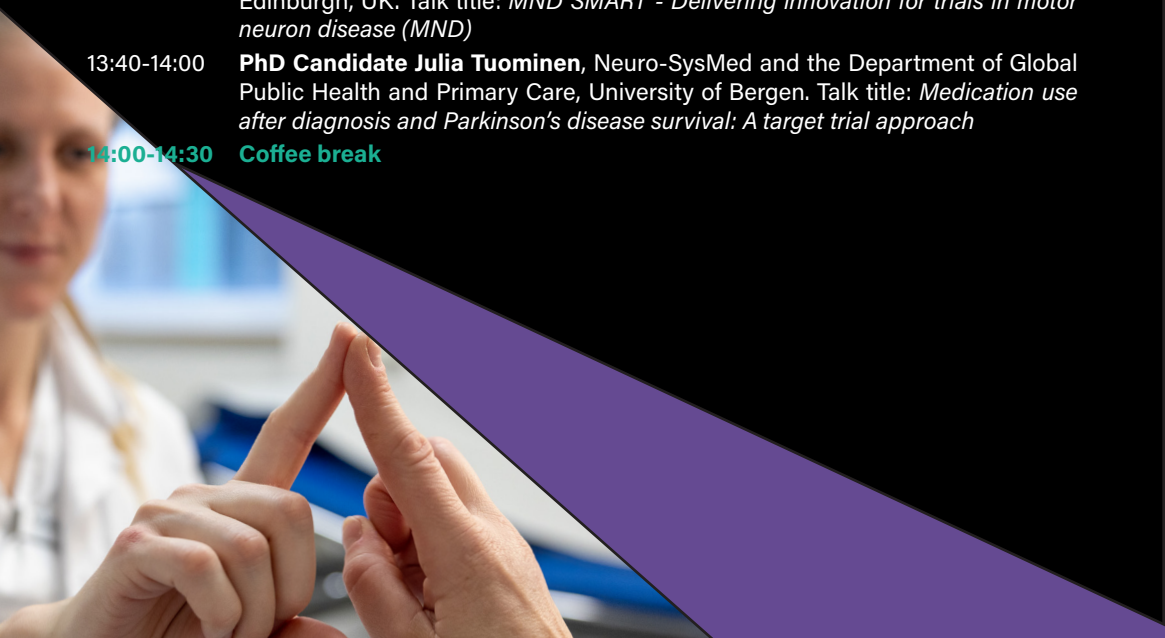
SESSION 1 CONTINUED, chair: Kristoffer Haugarvoll

12:30-13:05 Keynote lecture by **Professor Marie Vidailhet**, the Movement Disorders and Parkinson's Disease Department at the Salpêtrière Hospital, Sorbonne University, Paris, France. Talk title: *Markers of atypical parkinsonism - from diagnosis to treatment evaluation*

13:05-13:40 **Professor Suvankar Pal**, the Centre for Clinical Brain Sciences, University of Edinburgh, UK. Talk title: *MND SMART - Delivering innovation for trials in motor neuron disease (MND)*

13:40-14:00 **PhD Candidate Julia Tuominen**, Neuro-SysMed and the Department of Global Public Health and Primary Care, University of Bergen. Talk title: *Medication use after diagnosis and Parkinson's disease survival: A target trial approach*

14:00-14:30 Coffee break



SESSION 2: THERAPEUTIC TRIALS IN MULTIPLE SCLEROSIS,

chair: **Kjell-Morten Myhr**

- 14:30-15:25 Keynote lecture by **Professor Xavier Montalban**, Multiple Sclerosis Centre of Catalonia (CEMCAT)/ Neurology Department, Vall d'Hebron University Hospital (HUVH), Neuroimmunology Research Group at the Vall d'Hebron Research Institute (VHIR), Barcelona, Spain. Talk title: *New mechanistic framework for MS. Therapies in clinical practice and future treatments for progressive MS*
- 15:25-15:50 **Professor Fredrik Piehl**, Department of Clinical Neuroscience, Karolinska Institute, Stockholm, Sweden. Talk title: *B-cell depletion in multiple sclerosis; mode of action and optimisation of longterm benefit-risk balance*
- 15:50-16:15 **Professor Øivind Torkildsen**, Neuro-SysMed and Department of Clinical Medicine, University of Bergen, and Department of Neurology, Haukeland University Hospital, Bergen. Talk title: *Ocrelizumab VERSus Rituximab Off-Label at the Onset of Relapsing MS Disease - The OVERLORD-MS trial, and TAF-1 - Tenofovir antiviral therapy in multiple sclerosis*
- 16:15-16:30 **Dr. Frank Riemer**, Neuro-SysMed and Mohn Medical Imaging and Visualization Centre (MMIV), Department of Radiology, Haukeland University Hospital, Bergen, Norway. Talk title: *Microstructural changes precede depression in patients with relapsing-remitting multiple sclerosis*
- 16:30-16:45 **PhD Candidate Akash Kapali**, Neuro-SysMed and the Department of Global Public Health and Primary Care, University of Bergen. Talk title: *Dietary vitamin D and the risk of multiple sclerosis in the Norwegian Mother, Father and Child cohort*
- 16:45-18:00 Break**
- 18:00-19:30 POSTER SESSION & Aperitif, same room as the talks, chairs: Ragnhild Skogseth and Christian Dölle**
- 19:30 Dinner**



Day 2: Tuesday September 26, 2023

SESSION 3: NAD REPLENISHMENT AS A STRATEGY FOR NEUROPROTECTION, chair: Mathias Ziegler

- 09:00-09:55 Keynote Lecture by **Professor Vilhelm Bohr**, Department of Cellular and Molecular Medicine, University of Copenhagen, Denmark. Talk title: *DNA damage signaling to mitochondria in neurodegeneration and aging*
- 09:55-10:15 **Professor Mathias Ziegler**, Neuro-SysMed and the Department of Biomedicine, University of Bergen. Talk title: *NR – how and why it works. Sometimes.*
- 10:15-10:25 Coffee break**
- 10:25-10:45 **Dr. Christian Dölle**, Neuro-SysMed and the Department of Clinical Medicine, University of Bergen. Talk title: *NAD replenishment therapy for Parkinson's disease*
- 10:45-11:00 **Dr. Suraj Sharma**, Neuro-SysMed and the Department of Biomedicine, University of Bergen. Talk title: *Predicting metabolic alterations in human metabolism using a genome-scale network analysis approach*
- 11:00-11:15 **PhD Candidate Haakon Berven**, Neuro-SysMed, University of Bergen. Talk title: *NR-SAFE: a randomized, double-blind safety trial of high dose nicotinamide riboside in Parkinson's disease*
- 11:15-11:30 **Associate Professor Ragnhild Eide Skogseth**, Neuro-SysMed and the Department of Clinical Science, University of Bergen. Talk title: *N-DOSE-AD: a dose optimization study of nicotinamide riboside in Alzheimer's disease*
- 11:30-13:00 Check out of rooms for those leaving on the 26th, and lunch**

SESSION 4: BIostatISTICS FOR CLINICAL TRIALS, chair: Bettina Husebø

- 13:00-13:25 **Professor Tim Friede**, Department of Medical Statistics, University Medical Center Göttingen, Germany. Talk title: *Multiple treatment arms, design stages and endpoints: Methods and their applications in neurodegenerative diseases*
- 13:25-13:50 **Dr. Fan Li**, Department of Biostatistics, Yale University, USA. Talk title: *Current developments in stepped wedge cluster randomized trials*
- 13:50-14:15 **Dr. Tong Guangyu**, Yale School of Medicine, Yale University, USA. Talk title: *A Bayesian approach for estimating the survivor average causal effect when outcomes are truncated by death in cluster-randomized trials*
- 14:15-15:00 Workshop/Discussion - Challenges in the field, discussion with all.
- 15:00-15:15 Closing remarks and prizes for best poster**

