Neuro-SysMed
Annual Symposium

Solstrand, September 25-26, 2023
Preliminary program

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: THEURAPEUTIC 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*

16:45-17.00   Coffee break

17:00-18:30   POSTER SESSION, 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** <u>Vilhelm Bohr</u>, 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** <u>Mathias Ziegler</u>, 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.** <u>Christian Dölle</u>, 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.** <u>Suraj Sharma</u>, 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** <u>Haakon Berven</u>, 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** <u>Ragnhild Eide Skogseth</u>, 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** <u>Tim Friede</u>, Department of Medical Statistics, University Medical Center Göttingen, Germany. Talk title: *to be announced*.

13:25-13:50   **Dr.** <u>Fan Li</u>, Department of Biostatistics, Yale University, USA. Talk title: *Current Developments in Stepped Wedge Cluster Randomized Trials*

13:50-14:15   **Dr.** <u>Tong Guangyu</u>, 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 <u>all.</u>

15:00-15:15   Closing remarks and *prizes for best poster*