Dear colleagues

Please find the final programme presenting the newest results of Danish MS research below.

Programme

09.30-10.00  Registration and coffee
10.00-10.10  Welcome by Annette Bang Oturai (chairman of DAREMUS). Lokale: Grandball
10.10-11.00  DAREMUS-lecture (Alan Thompson: Progress in Progressive MS)
             Chair: Finn Sellebjerg

11.00-12.00  Session 1: Nominated projects for the DAREMUS-prize for MS researchers below
             the age of 40 years
             Chair: Annette Bang Oturai. Room: Grandball
11.00-11.12  Kasper Winther Andersen: Multi-dimensional microstructural imaging offers novel
             insights into brain pathology: an application to multiple sclerosis
11.12-11.24  Marie Louise Elkjær: Molecular signature of brain lesion evolution and fate in
             progressive MS
11.24-11.36  Tobias Sejbæk: Neurofilament light chain niveauer i CSF og blod hos patienter med
             multipel sklerose før og efter behandling med dimethylfumarat
11.36-11.48  Martin Langeskov Christensen: Association of aerobic capacity and cognitive
             performance in people with multiple sclerosis – A cross-sectional study
11.48-12.00  Thor Chalmer: Early versus late treatment start in multiple sclerosis - a register
             based cohort study

12.00-13.00  Lunch

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Danish Multiple Sclerosis Center
13.00-13.15  **Presentatiois years best of the DAREMUS-prize for this years best scientific project.**  
Room: Grandball

13.15-14.45  **Parallel session 1:** Medical cannabis for MS  
Chair: Per Soelberg Sørensen. Room: Grandball
13.15-13.45  Pain treatment in MS, Nanna Brix Finnerup
13.45-14.00  Practical and legal aspects, Henrik Boye Jensen
14.00-14.10  Talk by Eskild Colding Jørgensen, Lægemiddelstyrelsen
14.10-14.15  Talk by Klaus Høm, Scleroseforeningen
14.15-14.45  Panel discussion

13.15-14.45  **Parallel session 2:** Experimental/paraclinical MS research  
Chair: Trevor Owens. Room: Christiansborg
13.15-13.45  Keynote talk: **Allan Randrup:** Immunforsvaret i CNS
13.45-13.57  Emilie Tresse-Gommeaux: IFN-β is essential for mitochondrial fission in neurons
13.57-14.09  Henrik Hasseldam: Endogenous IFNβ regulates CNS barrier integrity
14.09-14.21  Louise Munk Rasmussen: Requirements for FoxA1 regulation of Pdl1 promotor in T cells to impose suppressive anti-inflammatory functions of FoxA1+Tregulatory cells
14.21-14.33  Marlene Mørch: Cytosolic DNA-sensing through stimulator of interferon genes (STING) has a protective role in focal brain lesions in experimental autoimmune encephalomyelitis (EAE)
14.33-14.45  Yawei Liu: Re-programming Th17 cells to FoxA1+Tregs, prospect for MS treatment

14.45-15.15  Coffee

15.15-17.15  **Parallel session 3:** Clinical and epidemiological MS research  
Chair: Egon Stenager. Room: Grandball
15.15-15.45  Keynote talk: **Ulrik Dalgas:** Hvordan kan man også måle MS?
15.45-15.57  Caroline Holst Bloch: Baseline lymfocytter og høj alder predikterer lymfopeni hos dimethylfumarat-behandlede patienter med multipel sklerose
15.57-16.09  Christian Bauer: Asymmetrics in structural connectivity correlates with fatigue in multiple sclerosis
16.09-16.21  Christina Andersen: Alcohol consumption in adolescence is associated with lower risk of multiple sclerosis in a Danish cohort
15.15-17.25  **Parallel session 3**: Clinical and epidemiological MS research

   **Continued**

16.21-16.33 Gorm Pihl-Jensen: Sensitive assessment of acute optic neuritis by a new digital flicker test

16.33-16.45 Jacob Callesen: How much does balance and muscle strength impact walking in persons with multiple sclerosis?

16.45-16.57 Johanna Balslev Andersen: Mental health status among children of mothers diagnosed with multiple sclerosis: a Danish cohort and register-based study

16.57-17.09 Laurits Madsen: A cross-sectional study of the relationship between cardiorespiratory fitness, disease severity and walking speed in persons with Multiple Sclerosis

17.09-17.21 Nete Munk Andersen: Multiple Sclerosis in first and second generation immigrants

15.15-17:25  **Parallel session 4**: Immunology and disease mechanisms

   **Chair**: Helle Hvilsted Nielsen. Room: **Christiansborg**

15.15-15.45 Keynote talk: **Finn Sellebjerg**: Biomarkører for sygdomsaktivitet og sygdomsprogression

15.45-15.57 Cecilie Ammitzbøl: Rygning, GPR15-ekspression og multipel sklerose

15.57-16.09 Hannah-Marie Laigaard: Effect of Multiple Sclerosis Associated Interleukin 2 Receptor Alpha (IL2RA) Gene Variants on DNA Methylation

16.09-16.21 Julie Heiden: Extended antigen panel called the EZMMR panel in the diagnosis of Multiple Sclerosis

16.21-16.33 Mads Olesen: Differential intathecal inflammatory markers in acute optic neuritis and later conversion to multiple sclerosis

16.33-16.45 Rikke Holm Hansen: Dimethyl fumarate suppresses B cell responses in patients with relapsing-remitting multiple sclerosis

16.45-16.57 Mikkel Carstensen Gjelstrup: Pro-inflammatory monocyte subsets are augmented in incipient and progressed Multiple Sclerosis

16.57-17.09 Oskar McWilliam: Abnorm B celle fænotype og cytokinproduktion ved attakvis multipel sklerose

17.09-17.21 Sara Lundquist: Frequency and immunophenotypyr of IL-10 producing regulatory B cells in optic neuritis

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