



## **Amyotrophic lateral sclerosis (ALS) and Parkinson's disease: Pathology, Diagnosis and therapy-Symposium 6-7.9.2018**

**Place: University of Helsinki, Viikki Campus, Biocenter 2, room 2012**

Organizer: Merja Voutilainen Institute of Biotechnology (BI), University of Helsinki (UH)

### **Day one (6.9.2018)**

#### **Parkinson's disease (PD)**

**9.00-10.00** Why dopamine neurons are vulnerable in Parkinson's disease?: Dr Anne Panhelainen (BI, UH)

**10.00-11.00** Genetic and toxin models of Parkinson's disease: Dr Piotr Chmielarz (BI, UH)

Coffee

**11.15-12.00** Human DA neurons in PD research: Dr Andrii Domanskyi (BI, UH)

**12.00-13.00** The PINK1-Parkin axis in Parkinson's disease - where does it stand?: Dr Thomas McWilliams (Molecular Neurology, UH, Finland)

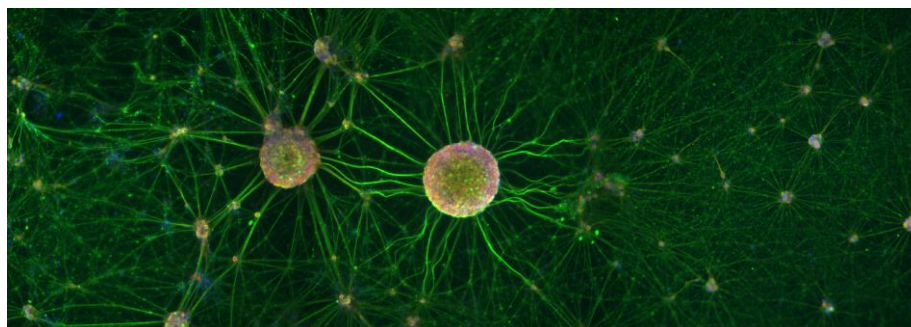
Lunch break

**13-14** Diagnosis and treatment of Parkinson's disease: MD Jukka Lyytinen (Helsinki University Hospital (HUU), Finland)

Coffee

**14.30-15.30** Deep Brain Stimulation in the treatment of Parkinson's disease: MD Eero Pekkonen (HUU, Finland)

**15.30-16.30** Trophic factors for treatment of Parkinson's disease: Prof Mart Saarma (BI, UH)



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### Day two (7.9.2018)

#### ALS:

9.00-9.30 What is ALS? : Prof Pentti Tienari (HUH, UH, Finland)

9.30-10.00 Pathology of ALS: Dr Liisa Myllykangas (HUH, UH, Finland)

Coffee

10.30-11.00 Other MN diseases: MD, PhD Manu Jokela (University of Turku, Finland)

11-12 Genetics of ALS: Prof Bryan Traynor B (NIH, USA)

#### Lunch break

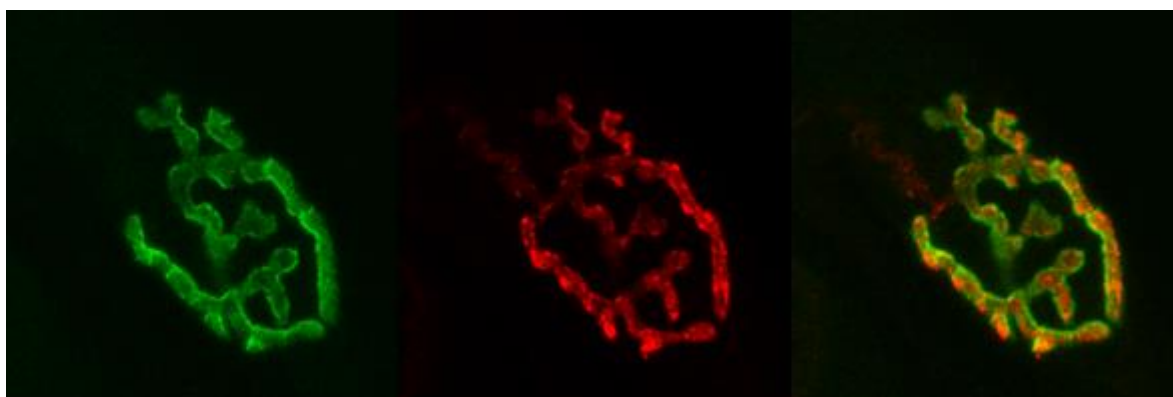
13-14 Pathomechanisms of motoneuron disease: Insights from mouse and cell culture models Prof Michael Sendtner (University of Würzburg, Germany)

14-15 SOD1, TDP-43 and C9orf mouse models of ALS, focus on ER stress in ALS models: Prof Smita Saxena (University of Bern, Switzerland)

#### Coffee

15.30-16.00 Human MN cultures in ALS research: Dr Anu Hyysalo (BI, UH)

16.00-16.30 CDNF in ALS: Dr Merja Voutilainen (BI, UH)



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