

The Brain Conferences

Understanding and targeting Alzheimer's disease

5 – 8 May 2019

Rungstedgaard, Denmark

PRELIMINARY PROGRAMME

Sunday, 5 May 2019	
From 14:00	Arrival and registration
14:30-14:40	Welcome address from the Conference Chairs
Tau, ApoE, and other risk factors	
<i>Session Moderator: Robert Vassar</i>	
14:40-15:20	Title tba Maria Grazia Spillantini, University of Cambridge, UK
15:20-16:00	Developing Better Therapies for Alzheimer's Disease: From Tau to Immune Modulation Lennart Mucke, Gladstone Institutes of Neurological Disease, USA
16:00-16:30	Afternoon Snack
16:30-17:10	Conformers of assembled tau Michel Goedert, MRC Laboratory of Molecular Biology, UK
17:10-17:30	SHORT TALKS 1 & 2 (to be selected from the submitted abstracts, 10 min. each talk)
17:30-18:10	Dissecting the role of synaptic pathology in Alzheimer's disease Tara Spire-Jones, University of Edinburgh, UK
18:10-18:50	Genomic analysis of neurodegeneration suggests failure of damage response is a frequent factor in pathogenesis John Hardy, University College London, UK
19:00-21:30	Welcome Drink & Dinner

Monday, 6 May 2019

Prion-like spreading & phase separation

Session Moderator: Dennis Selkoe

09:00-09:40	Targeting protopathic seeds Mathias Jucker, University of Tübingen, Germany
09:40-10:20	Tau monomer encodes strain identity Marc Diamond, UT Southwestern Medical Center, USA
10:20-10:50	Group Picture and Coffee Break
10:50-11:30	The impact of A β seeding on different cell types Melanie Meyer-Lühmann, Albert-Ludwigs-Universität Freiburg, Germany
11:30-12:10	Pathological phase transitions in neurodegenerative diseases Dorothee Dormann, Ludwig Maximilian University of Munich, Germany
12:10-12:20	SHORT TALKS 3 & 4 (to be selected from the submitted abstracts, 10 min. each talk)
12:30-14:00	Lunch

Amyloid Generation, mechanisms of toxicity and cell death (I)

Session Moderator: Michel Goedert

14:00-14:40	The promise and challenge of BACE1 inhibition for Alzheimer's disease Robert Vassar, Northwestern University, USA
14:40-15:20	Proteomics to unravel brain disease: signaling, aggregates and biomarkers Matthias Mann, Max Planck Institute of Biochemistry, Germany
15:20-15:40	Poster Spotlights I (9 presentations, 90 seconds each)
15:40-17:40	Poster Session I with Afternoon Snack
17:40-18:20	SHORT TALKS 5, 6, 7 & 8 (to be selected from the submitted abstracts, 10 min. each talk)
19:00 - 21:30	Dinner

Tuesday, 7 May 2019	
<i>Amyloid Generation, mechanisms of toxicity and cell death (II)</i>	
Session Moderator: Christian Haass	
09:00-09:40	Genetic risk of sporadic and familial forms of the disease converge on similar mechanisms Bart De Strooper, VIB-KU Leuven, Belgium
09:40-10:20	Function and malfunction of the prion protein Adriano Aguzzi, Institute of Neuropathology, University Hospital Zurich, Switzerland
10:20-10:40	SHORT TALKS 9 & 10 (to be selected from the submitted abstracts, 10 min. each talk)
10:40-11:00	Coffee break
11:15-15:15	Box Lunch, outing to Louisiana Museum or Kronborg Castle (tbd)
15:30-16:10	Targeting soluble A β oligomers is central to the prevention of Alzheimer's disease Dennis Selkoe, Harvard Medical School, Center for Neurologic Diseases, USA
16:10-16:30	Poster Spotlights II (9 presentations, 90 seconds each)
16:30-18:30	Poster Session II with Afternoon Snack
18:30-19:10	A vicious cycle of amyloid β -dependent neuronal hyperactivation Arthur Konnerth, Technical University of Munich, Germany
19:30-21:30	Dinner

Wednesday, 8 May 2019	
<i>Neuro-immune Interaction and Glia (I)</i>	
<i>Session Moderator: Melanie Meyer-Lühmann</i>	
09:00-09:40	How Microglia Contributes to Synaptic Function and Dysfunction Beth Stevens, Harvard Medical School, USA
09:40-10:20	The power of ONE: Immunology in the age of single cell genomics Ido Amit, Gladstone Institutes of Neurological Disease, UCSF, USA
10:20-10:50	Coffee Break
10:50-11:30	Lymphatic-glymphatic connection in brain physiology Jonathan Kipnis, University of Virginia School of Medicine, USA
11:30-12:00	SHORT TALKS 11, 12 & 13 (to be selected from the submitted abstracts, 10 min. each talk)
12:00-13:30	Lunch
<i>Neuro-immune Interaction and Glia (II)</i>	
<i>Session Moderator: Beth Stevens</i>	
13:30-14:10	How microglial dysfunction contributes to neurodegenerative dementia? Li Gan, Gladstone Institutes of Neurological Disease, UCSF, USA
14:10-14:50	The function of TREM2 in neurodegeneration Marco Colonna, Washington University in St. Louis, USA
14:50-15:30	The glymphatic System and Protein Export Maiken Nedergaard, University of Rochester Medical Center/University of Copenhagen, USA/Denmark
15:30-16:00	Coffee Break
16:00-16:40	Microglial dysfunction in Alzheimer's disease Christian Haass, LMU Munich & German Center for Neurodegenerative Diseases, Germany
The amyloid cascade after almost 30 years	
<i>Session Moderator: Bart De Strooper</i>	
16:40-17:20	Dennis Selkoe, John Hardy, Michel Goedert, Adriano Aguzzi (10 min. presentations each)
17:20-17:50	Tying it all together: Group Discussion & Closing Remarks Discussion leader: Bart De Strooper
19:30-22:00	Gala Dinner & Poster Awards
Thursday, 9 May 2019: Breakfast, departure	

