

## 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
<b>Tau, ApoE, and other risk factors</b>	
<i>Session Moderator: Robert Vassar</i>	
14:40-15:20	<b>Title tba</b> <b>Maria Grazia Spillantini, University of Cambridge, UK</b>
15:20-16:00	Developing Better Therapies for Alzheimer's Disease: From Tau to Immune Modulation <b>Lennart Mucke, Gladstone Institutes of Neurological Disease, USA</b>
16:00-16:30	Afternoon Snack
16:30-17:10	Conformers of assembled tau <b>Michel Goedert, MRC Laboratory of Molecular Biology, UK</b>
17:10-17:30	<b>SHORT TALKS 1 &amp; 2</b> (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 <b>Tara Spires-Jones, University of Edinburgh, UK</b>
18:10-18:50	Genomic analysis of neurodegeneration suggests failure of damage response is a frequent factor in pathogenesis <b>John Hardy, University College London, UK</b>
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 <b>Mathias Jucker, University of Tübingen, Germany</b>
09:40-10:20	Tau monomer encodes strain identity <b>Marc Diamond, UT Southwestern Medical Center, USA</b>
10:20-10:50	Group Picture and Coffee Break
10:50-11:30	The impact of A $\beta$ seeding on different cell types <b>Melanie Meyer-Lühmann, Albert-Ludwigs-Universität Freiburg, Germany</b>
11:30-12:10	Pathological phase transitions in neurodegenerative diseases <b>Dorothee Dormann, Ludwig Maximilian University of Munich, Germany</b>
12:10-12:20	<b>SHORT TALKS 3 &amp; 4</b> (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 <b>Robert Vassar, Northwestern University, USA</b>
14:40-15:20	Proteomics to unravel brain disease: signaling, aggregates and biomarkers <b>Matthias Mann, Max Planck Institute of Biochemistry, Germany</b>
15:20-15:40	<b>Poster Spotlights I (9 presentations, 90 seconds each)</b>
15:40-17:40	<b>Poster Session I with Afternoon Snack</b>
17:40-18:20	<b>SHORT TALKS 5, 6, 7 &amp; 8</b> (to be selected from the submitted abstracts, 10 min. each talk)
19:00 - 21:30	Dinner

**Tuesday, 7 May 2019**

***Amyloid Generation, mechanisms of toxicity and cell death (II)***

*Session Moderator: Christian Haass*

09:00-09:40	Genetic risk of sporadic and familial forms of the disease converge on similar mechanisms <b>Bart De Strooper, VIB-KU Leuven, Belgium</b>
09:40-10:20	Function and malfunction of the prion protein <b>Adriano Aguzzi, Institute of Neuropathology, University Hospital Zurich, Switzerland</b>
10:20-10:40	<b>SHORT TALKS 9 &amp; 10</b> (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 <a href="#">Louisiana Museum</a> or <a href="#">Kronborg Castle</a> ( <i>tbd</i> )
15:30-16:10	Targeting soluble A $\beta$ oligomers is central to the prevention of Alzheimer's disease <b>Dennis Selkoe, Harvard Medical School, Center for Neurologic Diseases, USA</b>
16:10-16:30	<b>Poster Spotlights II</b> (9 presentations, 90 seconds each)
16:30-18:30	<b>Poster Session II with Afternoon Snack</b>
18:30-19:10	A vicious cycle of amyloid $\beta$ -dependent neuronal hyperactivation <b>Arthur Konnerth, Technical University of Munich, Germany</b>
19:30-21:30	Dinner

**Wednesday, 8 May 2019**

***Neuro-immune Interaction and Glia (I)***

*Session Moderator: Melanie Meyer-Lühmann*

09:00-09:40	How Microglia Contributes to Synaptic Function and Dysfunction <b>Beth Stevens, Harvard Medical School, USA</b>
09:40-10:20	The power of ONE: Immunology in the age of single cell genomics <b>Ido Amit, Gladstone Institutes of Neurological Disease, UCSF, USA</b>
10:20-10:50	Coffee Break
10:50-11:30	Microglial dysfunction in Alzheimer's disease <b>Christian Haass, LMU Munich &amp; German Center for Neurodegenerative Diseases, Germany</b>
11:30-12:00	<b>SHORT TALKS 11, 12 &amp; 13</b> (to be selected from the submitted abstracts, 10 min. each talk)
12:00-13:30	Lunch

***Neuro-immune Interaction and Glia (II)***

*Session Moderator: Beth Stevens*

13:30-14:10	How microglial dysfunction contributes to neurodegenerative dementia? <b>Li Gan, Gladstone Institutes of Neurological Disease, UCSF, USA</b>
14:10-14:50	<b>Title tba</b> <b>Marco Colonna, Washington University in St. Louis, USA</b>
14:50-15:30	The glymphatic System and Protein Export <b>Maiken Nedergaard, University of Rochester Medical Center/University of Copenhagen, USA/Denmark</b>
15:30-16:00	Coffee Break
16:00-16:40	Lymphatic-glymphatic connection in brain physiology <b>Jonathan Kipnis, University of Virginia School of Medicine, USA</b>

***The amyloid cascade after almost 30 years***

*Session Moderator: Bart De Strooper*

16:40-17:20	<b>Dennis Selkoe, John Hardy, Michel Goedert, Adriano Aguzzi</b> (10 min. presentations each)
17:20-17:50	Tying it all together: Group Discussion & Closing Remarks Discussion leader: <b>Bart De Strooper</b>
19:30-22:00	Gala Dinner & Poster Awards

**Thursday, 9 May 2019: Breakfast, departure**