

## Scientific Program

### Monday September 6<sup>th</sup>

13:00	Arrival
13:45-14:00	Welcome: Tiago Outeiro, Christine von Arnim, Martin Ingelsson, Alberto Lleó
14:00-14:10	Dean of University Medical Center Göttingen: Prof. Wolfgang Brück

#### Session 1. Synaptic dysfunction: where it all starts

14:15-14:30	Tiago Outeiro: Alpha-Synuclein at the synapse: dangerous interactions – <b>In Person</b>
14:30-14:45	Tara Spire: Synapse degeneration and resilience in ageing and neurodegeneration – the role of microglia in synaptic degeneration in Alzheimer's disease – <b>In Person</b>
14:45-15:00	Christine Stadelmann-Nessler: Neurodegenerative aspects of multiple sclerosis – <b>In Person</b>

15:00-15:30 Coffee break

#### Session 2. Preclinical models of neurodegeneration

15:30-15:45	Annakaisa Haapasalo: Effects of the C9orf72 repeat expansion in preclinical models of frontotemporal lobar degeneration – <b>Via Zoom</b>
15:45-16:00	Monica Garcia-Alloza: Alzheimer's disease and diabetes mellitus: models and translational implications – <b>In Person</b>

16:00-16:30 break

#### Session 3. Keynote lecture – moderator: Tiago Outeiro

16:30-17:00	Brian Bacskai: Imaging the pathophysiology of animal models of Alzheimer's disease – <b>Via Zoom</b>
17:00-17:15	Discussion
17:15	Welcome reception and Posters – <b>In Person</b>

19:30 Speakers' dinner

Tuesday September 7<sup>th</sup>

8:30-9:00 Coffee break

#### Session 4. Brief talks by junior investigators (In Person)

9:00-10:15 Moderators: Anish Behere, Annekatriin König

Brief talks by junior investigators: Anish Behere, Annekatriin König, Julia Schulze, Maria Vargas Soria, Silvia Zampar

10:15-10:30 Coffee break

10:30-10:45 Alternative options in science  
Lena Oesterlin-Meret: Life Science Factory

#### Session 5. Brief talks by junior investigators (Via Zoom)

10:45-12:00 Moderators: Maria Vargas Soria, Silvia Zampar

Brief talks by junior investigators: Viviana Brembati, André Felipe Vieira da Conceição, Angel del Marco, Dorit Hoffmann, Agnieszka Molisak, Paula Ferrer Raventós, Sonia Sabaté Soler, Marta Querol Vilaseca

12:00-14:00 Lunch

#### Session 6. Genetics & biomarkers of neurodegeneration in Parkinson's disease

14:00-14:15 Christina Lill: The role of micro-RNAs in Alzheimer's disease and Parkinson's disease – **Via Zoom**

14:15-14:30 Lars Bertram: Epigenome-wide association study in Alzheimer's disease using DNA methylation in human brain samples – **Via Zoom**

14:30-15:00 Discussion

15:00-15:40 Coffee break and Posters – **In Person and via Zoom**

#### Session 7. The heat is on: Inflammation in neurodegeneration

15:40-15:55 Christine von Arnim: Neuropsychiatric symptoms, stress and inflammation in dementia – **In Person**

15:55-16:10 Karin Danzer: The role of monocytes in Parkinson's disease and amyotrophic lateral sclerosis – **Via Zoom**

16:10-16:25 Mikko Hiltunen: Microglial molecular regulatory networks in neurodegeneration – **Via Zoom**

16:25-16:30 Break

#### Session 8. Keynote lectures

Moderator: Christine von Arnim

16:30-17:00 Bradley T. Hyman: How heterogeneous is Alzheimer's disease clinically and biologically? – **Via Zoom**

17:00-17:30 Rudy Tanzi: The innate immune hypothesis of Alzheimer's Disease – **Via Zoom**

17:30-18:00 Xandra Breakefield: Any parallels between neurodegeneration and brain tumors? – **Via Zoom**

18:00-18:20 Discussion

[INTERNAL \*18:20-19:00 Internal HEAT-NET members with mentors\*]

19:30 Speakers' dinner

Wednesday September 8<sup>th</sup>

8:30-9:00 Coffee

### Session 9. Biomarkers in Alzheimer's disease and related disorders

9:00-9:15	Alberto Lleó: Cerebrospinal fluid biomarkers in early Alzheimer's disease – <b>In Person</b>
9:15-9:30	Jens Wiltfang: Current and emerging molecular biomarkers for the blood-based early diagnostics of Alzheimer's disease – <b>In Person</b>
9:30-9:45	Inga Zerr: Biomarker research to understand molecular heterogeneity in neurodegenerative diseases – <b>Via Zoom</b>
9:45-10:00	Markus Otto: Fluid biomarkers in frontotemporal dementia and amyotrophic lateral sclerosis – <b>In Person</b>

### Session 10. Keynote lecture

Moderator: Martin Ingelsson

10:00-10:30	Lars Lannfelt: Targeting soluble aggregated A $\beta$ with lecanemab (BAN2401) – from mutation to potential therapy for Alzheimer's disease – <b>Via Zoom</b>
10:30-10:45	Discussion

10:45-11:15 Coffee break

### Session 11. Biomarkers and Treatments for Neurodegeneration: Present and Future

11:15-11:30	Brit Mollenhauer: Emerging biomarkers in Parkinson's disease – <b>In Person</b>
11:30-11:45	Andre Fischer: RNA and the epigenome as targets for stratified therapies in neurodegenerative diseases – <b>In Person</b>
11:45-12:00	Martin Ingelsson: CRISPR/Cas9 as a novel gene therapy tool for neurodegenerative diseases – <b>In Person</b>

### Session 12. Poster session

12:00-13:00	Poster Session - <b>in Person and via Zoom</b>
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### Closing Session

13:00	Closing and end of meeting: Christine von Arnim, Martin Ingelsson, Alberto Lleó, Tiago Outeiro
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