

HEAT-NET Frontiers in Neurodegeneration: from bench to bedside
 Preliminary program – HEAT-net Meeting – September 6-8 (Mon-Wed), 2021

Scientific Program
 Monday September 6th

13:00	Arrival
14:00	Welcome: Tiago Outeiro, Christine von Arnim, Martin Ingelsson, Alberto Lleó
14:05	Dean of University Medical Center Göttingen: Prof. Wolfgang Brück (invited)

Session 1 - Synaptic dysfunction: where it all starts

14:15-14:30	Tiago Outeiro: Alpha-Synuclein at the synapse: dangerous interactions
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
14:45-15:00	Christine Stadelmann-Nessler: Neurodegenerative aspects of multiple sclerosis

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
15:45-16:00	Monica Garcia-Alloza: Alzheimer's disease and diabetes mellitus: models and translational implications
16:00-16:15	Melanie Meyer-Luehmann: Abeta seeding as a tool to study cerebral amyloidosis and associated pathology

16:15-16:45 Coffee break

Session 3 - Keynote lecture – moderator: Tiago Outeiro

16:45-17:15	Brian Bacskai: Imaging the pathophysiology of animal models of Alzheimer's disease
17:15-17:30	Discussion
17:30	Welcome reception

19:00 Speakers' dinner

Tuesday September 7th

8:30 Coffee break

Session 4 - Brief talks by junior investigators

9:00-10:15	Moderators: junior investigators
	Brief talks by junior investigators

Coffee break

Session 5 - Brief talks by junior investigators

10:45-12:00	Moderators: junior investigators
	Brief talks by junior investigators

12:15-13:45 Lunch

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

14:10-14:25	Lars Bertram: The role of micro-RNAs in Alzheimer's disease and Parkinson's disease
14:25-14:40	Christina Lill: Risk prediction in Parkinson's disease
14:40-14:55	Brit Mollenhauer: Emerging biomarkers in Parkinson's disease
14:55-15:10	Discussion (all)

Coffee break

Session 7 - The heat is on: Inflammation in neurodegeneration

15:40-15:55	Christine von Arnim: Neuropsychiatric symptoms, stress and inflammation in dementia
15:55-16:10	Karin Danzer: The role of monocytes in Parkinson's disease and amyotrophic lateral sclerosis
16:10-16:25	Mikko Hiltunen: Microglial molecular regulatory networks in neurodegeneration

Session 8 - Keynote lectures – moderator: Christine von Arnim

16:25-16:55	Bradley T. Hyman: How heterogeneous is Alzheimer's disease clinically and biologically?
16:55-17:25	Rudy Tanzi: The innate immune hypothesis of Alzheimer's Disease
17:25-17:55	Xandra Breakefield: Any parallels between neurodegeneration and brain tumors?
17:55-18:15	Discussion

[INTERNAL *18:15-19:00 Internal HEAT-NET members with mentors*]

Dinner

Wednesday September 8th

8:30 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
9:15-9:30	Jens Wiltfang: Current and emerging molecular biomarkers for the blood-based early diagnostics of Alzheimer's disease
9:30-9:45	Inga Zerr: Biomarker research to understand molecular heterogeneity in neurodegenerative diseases
9:45-10:00	Markus Otto: Fluid biomarkers in frontotemporal dementia and amyotrophic lateral sclerosis - tbc

10:00-10:30 Coffee break

Session 10 - Treating neurodegeneration: Present and Future

10:30-10:45	Andre Fischer: RNA and the epigenome as targets for stratified therapies in neurodegenerative diseases
10:45-11:00	Martin Ingelsson: CRISPR/Cas9 as a novel gene therapy tool for neurodegenerative diseases

11:00-11:45 Tea break

Session 11 - Keynote lecture. Moderator: Martin Ingelsson

11:45-12:15	Lars Lannfelt: Targeting soluble aggregated A β with lecanemab (BAN2401) – from mutation to potential therapy for Alzheimer's disease
12:15-12:30	Discussion
Closing session	Tiago Outeiro, Christine von Arnim, Martin Ingelsson, Alberto Lleó
13:00-13:45	Lunch and posters
14:00-16:00	Internal HEAT-net workshop
	Funding options
	Future plans
16:00	Joint social activity and transfer to the airport