

Scientific Workshop between the Hebrew University of Jerusalem and the University of Göttingen

November 1-2, 2-5:30pm CET

Workshop Organizers

Hermona Soreq, HUJI
Tiago Fleming Outeiro, UMG

Hosting Department in Göttingen

Department of Experimental Neurodegeneration, UMG

Topic of the workshop

Cardiovascular and neurological disorders are among the leading causes of death and morbidity in the world, affecting millions of people worldwide.

Göttingen is pioneering the concept of cross-organ translational research between the heart and brain. In this context, the UMG will have a dedicated building joining researchers from both areas, in order to expedite advances and treatments. This is a concept we wish to promote through the proposed workshop. Therefore, the title of the workshop is "**Molecular underpinnings of age-associated heart and brain disorders**".

Registration

Please email neurodegeneration@med.uni-goettingen.de and send your name, affiliation, and to request the zoom link for the meeting.

Program

November 1

14:00 Opening by Hermona Soreq and Tiago Outeiro

14:10-14:30 Hannelore Ehrenreich, MPI-EM

Use it or lose it even at old age: Hippocampal neurons respond to brain activity with functional hypoxia driving 'hardware upgrade'

14:30-14:50 Efrat Levy-Lahad, HUJI

The genetics of brain development impairments

14:50-15:10 Mathias Bähr, UMG

The role of synuclein auto-antibodies in Parkinson's disease

15:10-15:30 Eran Meshorer, HUJI

Pluripotent models of polyQ-related neurodegenerative diseases

15:30-15:45 Lena Oesterlin-Meret, Life Science Factory

15:45-16:00 Break

16:00-16:20 Short talks by Junior Scientists

Nimrod Madrer, HUJI

Kasia Winek, HUJI

Umer Javed Butt, MPI-EM

Matan Sorek, HUJI

16:20-16:40 Hermona Soreq, HUJI

Biomedical implications of stroke with a focus on transfer RNA fragments

16:40-17:00 Klaus-Armin Nave, MPI-EM
Novel functions of myelin in brain energy metabolism

17:00-17:20 Daphna Nachmani, HUJI
Ribosomes as the gate to balanced aging processes

17:20 Closing of day 1

17:30 End of Day 1

November 2

14:00 Opening of day 2

14:10-14:30 Wolfram Zimmermann, UMG
Modelling heart failure in the dish to find genomic cures for patients

14:30-14:50 Mor Nitzan, HUJI
Computational approach for identifying heart and brain-expressed genes

14:50-15:10 Andre Fischer, DZNE
RNA therapeutic in heart and brain diseases

15:10-15:30 Hagai Bergman, HUJI
Advances in deep brain stimulation in PD patients

15:30-16:00 Break

16:00-16:20 Short talks by Junior Scientists
Annekatriin Koenig, UMG
Sophie Schröder, DZNE
Lennart Schneider, UMG

16:20-16:40 Christine von Arnim, UMG
Mitochondrial dysfunction in neurons overexpressing Alzheimer's Disease-related proteins visualized by NADH FLIM

16:40-17:00 Shahar Arzy
Lost in space(s): disorientation in Alzheimer's disease modulated by brain metabolism

17:00-17:20 Tiago Outeiro, UMG
Molecular architecture of protein aggregates: insights from super-resolution microscopy

17:20 Closing session

17:30 End of Workshop

Thema: Scientific Workshop between the Hebrew University of Jerusalem and the University of Göttingen
November 1-2, 2-5:30pm CET
Uhrzeit: Dies ist ein regelmäßig stattfindendes Meeting Jederzeit treffen

Zoom-Meeting beitreten

<https://gwdg.zoom.us/j/89337326713?pwd=K0srYTRvMERWaVpjTnNnSEd2TnN0dz09>

Meeting-ID: 893 3732 6713

Kenncode: 379048