



Date: 8.7.2022

Title of the Satellite Event:

Meeting of the European Molecular and Cellular Cognition Society (EMCCS): Understanding cognition in the healthy and diseases brain: From molecules to networks

Venue: Institute of Psychiatry and Neuroscience of

Paris Inserm UMR_S 1266
102-108 Rue de la Santé
Paris

Organizers: Andre Fischer

Contact Person:

Ulrike Kramer, German Center for Neurodegenerative Diseases (DZNE); +49 551 3961209; Ulrike.kramer@dzne.de (please submit your abstract to this email)

Registration: www.dzne.de/satellite-emccs

Fee: for students/postdocs 25,-€ and for PI 50,-€

Short description, topic and purpose

The European Molecular and Cellular Cognition Society is an international organization focused on fostering scientific exchanges in Europe in the field of Molecular and Cellular Cognition. With the aim to understand the

mechanisms underlying cognitive function in the healthy and diseases brain, it is important to bring together researchers that address such questions across scales, hence to study cognitive function at the level of molecules, gene-expression, proteostasis and neuronal network plasticity. The program of this year's satellite event presents recent examples of cutting-edge neuroscientific research in 3 sessions that will cover research on the molecular, cellular and systems aspects of cognition in the healthy and diseases brain. In addition, the EMCCS board is selecting 4 junior researchers from the submitted abstracts to give them the opportunity to present their work to a distinguished audience.

FULL PROGRAM

Scientific program: Understanding cognition in the healthy and diseases brain: From molecules to networks

10:00-10:05 AM **Welcome**

SESSION 1

10:05-10:35 AM **Jocelyne Caboche**

„Cell-type- and region-specific modulation of cocaine seeking by micro-RNA-1 in striatal projection neurons.“

Lab. Neurosciences Paris Seine, CNRS UMR 8246, INSERM UMRS-1130, University Pierre et Marie Curie Paris (UPMC), France

10:35-11:05 AM **Michel C. Van den Oever**

„Molecular and cellular approaches to decipher persistent cortical engrams“

CNCR - Memory Circuits team, Vrije University Amsterdam, Netherlands Amsterdam, Netherlands

11:05-11:30 AM **Adi Doron**

„Hippocampal Astrocytes Encode Reward Location“

Edmond and Lily Safra Center for Brain Sciences (ELSC), The Hebrew University, Jerusalem, Israel

Lunch break

SESSION 2

1:30-2:00 PM **Andre Fischer**

„Discovery of non-coding RNAs as therapies for cognitive diseases“

German Center for Neurodegenerative Diseases (DZNE), University Medical Center, Göttingen Goettingen, Germany

2:00-2:30 PM **Hannelore Ehrenreich**

„Introducing the brain erythropoietin circle to explain adaptive brain hardware upgrade and enhanced performance“

Department for Clinical Neuroscience, Goettingen, Germany

2:30-3:00 PM **Todd Sacktor**

„Memory and Theseus' Ship: KIBRA perpetually targets PKMzeta to maintain LTP and long-term memory“

Dept of Physiology and Pharmacology SUNY Downstate Health Sciences University

3:00-3:15 PM

junior speaker selected from the abstracts

3:15-3:30 PM

junior speaker selected from the abstracts

SESSION 3

Coffee break

4:00-4:30 PM **Tatjana Tchumatchenko**

„Synaptic dynamics across space and time“

Computational Neuroscience University of Mainz Medical Center, Mainz, Germany

4:30-5:00 PM **Phillip Tovote**

„Brainstem circuits for cardio-behavioral defensive states“

Defense Circuits Lab, Institute for Clinical Neurobiology, Würzburg, Germany

5:00-5:30 PM **Mauro Costa-Mattioli**

„Systemic regulation of cognitive function“

Department of Neuroscience Baylor College of Medicine Houston, Texas

5:30-6:00 PM **Isabelle Mansuy**

The impact of life experiences across generations: Epigenetic mechanisms in the germline Brain Research Institute, University Zurich and Institute for Neuroscience, ETH Zurich.

6:00 PM Wine and cheese poster session