

FKNE SCIENTIFIC SYMPOSIUM 2025

NEUROSCIENCE THROUGH THE LENS OF DIVERSITY: LEVELS, METHODS, AND MODELS

19th September 2025

"G. Lianis" Amphitheater, Foundation for Research and Technology – Hellas



FENS KAVLI
NETWORK OF EXCELLENCE

09:50 – 10:00 Welcome by FKNE chair, Lisa Genzel (Radboud University, Netherlands)

10:00 – 11:00 **Keynote lecture: Disentangling the neural basis of emotions in mice**

Nadine Gogolla, Max-Planck Institute of Psychiatry, Germany

Chair: Sami El-Boustani (University of Geneva, Switzerland)

11:00 **Session I: Regulation of Emotional States**

Anna Beyeler (Magendie, INSERM, France): **Contribution of the anterior insular cortex in anxiolysis induced by a single injection of psychedelics**

Ali Jawaid (PORT Lukasiewicz, Poland): **Biological underpinnings of transgenerational trauma in humans: A matter of fa(c)t**

Bianca Silva (IPMC, INSERM, France): **Whole-brain circuit mapping for fear memory**

Chair: Abhishek Banerjee (University of Oxford and Barts and London School of Medicine, UK)

12:00–13:00 Lunch break/sandwiches

13:00 **Session II: Neuronal Computations in Biological and Artificial Neural Networks**

Abhishek Banerjee (University of Oxford, UK): **Adaptive learning in the brain**

Yiota Poirazi (IMBB-FORTH, Greece): **Spine dynamics underlying flexible learning**

Sami El-Boustani (University of Geneva, Switzerland): **Social influence during decision-making in mice**

Chair: Dorothy Tse (Edge Hill University, UK)

14:00 **Session III: Structure and Function in Neuronal Circuits**

Meital Oren-Suissa (Weizmann Institute of Science, Israel): **Design concepts of sexually dimorphic circuits**

Georgia Gregoriou (Univ of Crete, Greece): **Attentional selection and suppression of distractions. A population-level approach**

Timothy O'Leary (University of Cambridge, UK): **Flirting with the c-word (causal) in systems neuroscience**

Chair: Emmanouil Froudarakis (University of Crete, Greece)

15:30 **Session IV: Cellular and Molecular Insights on Brain Functions**

Simona Lodato (Humanitas Research Hospital, Italy): **Spontaneous early rhythms shape cortical neuron development**

Mateusz Ambrożkiewicz (CHARITÉ, Germany): **Decoding neuroproteome dynamics during brain development**

Anissa Kempf (University of Basel, Switzerland): **Metabolic control of sleep**

Thomas McWilliams (University of Helsinki, Finland): **Organelle destruction in the aging brain**

Chair: Michaela Fencková (university of South Bohemia, Czech Republic)

16:50 **Special Session: Panel Discussion**

Owning Your Narrative: Early-Career Voices in the Era of Social Media and Big Science

Panelists: Peter Stern (Science), Antoine Adamantidis (EJN)

Chair: Flavio Donato (University of Basel, Switzerland)

17:30 Closing remarks by FKNE chair