



# Cellular & Circuit Dynamics in Learning & Memory

11<sup>th</sup> of October 2023 - Open access - Broca Institute Auditorium

<https://goo.gl/maps/jZSvLYZbmgRbkfj69>

09:50 Introduction of the FENS-Kavli Network & day overview

**10:00 Keynote speaker** - Chair: Anna Beyeler, Magendie, INSERM, FR

**Sheena Josselyn, Canada: Making memories in mice**

**11:30 Session I** - Chair: Abhishek Banerjee, Newcastle University, UK

**Bianca Silva**, Humanitas Research Hospital, CNR, Italy

*Brain circuits for fear attenuation*

**Sami El Boustani**, University of Geneva, Switzerland

*Cortical circuits for cross-modal transfer learning*

**Doroty Tse**, Edge Hill University, UK

*The determinants of memory*

**Lisa Genzel**, Radboud University, Netherlands

*Semantic-like memories in rodents*

**Lisa Roux**, Institut interdisciplinaire de Neurosciences (IINS), CNRS, FR

*Population bursts in archicortices: From hippocampal ripples to piriform cortex*

**14:00 Session II** - Chair: Alex Cayco Gajic, ENS - PSL University, FR

**Julijana Gjorgjieva**, Technical University of Munich, Germany

*Learning nonlinear neuronal computations*

**Martin Dresler**, Donders Institute, Netherlands

*Why and how we sleep ?*

**Nikos Konstantinides**, Institut Jaques Monod, CNRS, FR

*Evolution and development of neuronal diversity*

**Emilie Pacary**, Neurocentre Magendie, INSERM, FR

*Developmental & adult neurogenesis in the dentate gyrus*

**Arthur Leblois**, Institut des Maladies Neurodégénératives (IMN), CNRS, FR

*Behavioral variability and basal ganglia-dependent motor learning in songbirds*

**16:00 Session III** - Chair: Michaela Fenckova, Univ. of South Bohemia, CZ

**Yoav Livneh**, Weizmann Institute, Israel

*Brain-body interactions: Sensations and predictions in the insular cortex*

**Nora Raschle**, University of Zurich, Switzerland

*Perspectives on emotion regulatory brain correlates from childhood to adolescence*

**Taro Kitazawa**, DANDRITE, Nordic-EMBL, Denmark

*Recording cellular memory to unveil the mechanisms of brain memory*

**Agnes Nadjar**, Neurocentre Magendie, INSERM, FR

*Effect of nutrient sensing by microglia on mouse behavior*

**David Dupret**, University of Oxford, UK

*Organizing the coactivity structure of the hippocampus from robust to flexible memory*