

5th International Conference on the Architecture of Memory

18.-20.05.2022; Leibniz Institute for Neurobiology, Magdeburg, Germany

| Time | Wednesday May 18th | Time | Thursday May 19th | Time | Friday May 20th |
|---------------|--|---------------|--|---------------|--|
| 09:30 - 09:40 | "Welcome" Prof. Dr. Sauvage | 09:30 - 10:10 | Menno Witter (Kavli Institute/NTNU, Norway) The entorhinal cortex as integrative gatekeeper in the hippocampal memory system | 09:30 - 10:10 | Charan Ranganath (Univ. of CA, USA) The importance of setting boundaries: How cortico-hippocampal interactions at event boundaries support memory and prediction |
| 09:40 - 10:10 | Data Blitz Session Part I | | | | |
| 10:10 - 10:50 | Data Blitz Session Part II | 10:10 - 10:50 | Magdalena Sauvage (LIN/ OvGU) 'Spatial' and 'non-spatial' medial temporal lobe memory subnetworks: information processing and coordination | 10:10 - 10:50 | Emrah Duezel (DZNE Magdeburg) Episodic memory in preclinical and prodromal Alzheimer's disease |
| 10:50 - 11:00 | Coffee | 10:50 - 11:20 | Coffee | 10:50 - 11:20 | Coffee |
| 11:00 - 12:00 | Data Blitz Session Part III | 11:20 - 12:00 | Liset Menendez de la Prida (Instituto Cajal - CSIC) Two hippocampal axes: a proximodistal and radial perspective of entorhinal-hippocampal function | 11:20 - 12:00 | Jill Leutgeb (Univ. of CA San Diego, USA) Dentate network computations for memory and decisions |
| 12:00 - 13:00 | Lunch Break | 12:00 - 13:00 | Lunch Break | 12:00 - 13:00 | Lunch Break |
| 13:00 - 13:50 | Students/ Speakers Round Table | 13:00 - 13:50 | Students/ Speakers Round Table | 13:00 - 13:50 | Students/ Speakers Round Table |
| 14:00 - 14:40 | Loren Frank (Kavli Institute, USA) Memories and Mental Simulation: Multiplexing the Past, Present and Future | 14:00 - 14:40 | Thomas Wolbers (DZNE Magdeburg) Mechanisms and consequences of altered entorhinal/hippocampal coding in human aging | 14:00 - 14:40 | Motoharu Yoshida (DZNE) Mechanism of working memory in individual hippocampal CA1 cells |
| 14:40 - 15:20 | Steffen Gais (Univ. Tübingen) Multiple systems for declarative memory | 14:40 - 15:20 | Hannah Monyer (Heidelberg Univ./DKFZ, DE) Medial Entorhinal Cortex Commissural Input Regulates the Activity of Spatially Tuned Cells and Episodic Memory | 14:40 - 15:20 | James Knierim (Johns Hopkins Univ., USA) Loss of functional heterogeneity along the CA3 transverse axis in aging |
| | | 15:20 - 15:25 | Group picture (in front of the LIN) | | |
| 15:20 - 15:40 | Coffee | 15:25 - 15:40 | Coffee | 15:20 - 15:40 | Coffee |
| 15:40 - 16:20 | Sheena Josselyn (Univ. of Toronto, CA) Excitability mediates allocation of pre-configured ensembles to hippocampal engram supporting contextual conditioned fear in mice | 15:40 - 16:20 | Stefan Remy (LIN/ DZNE) Subcortical control of hippocampal activity and behaviour | 15:40 - 16:20 | John Aggleton (Cardiff University, UK) The anterior thalamic nuclei: A hub for space, attention, and memory |
| 16:20 - 17:00 | Open Discussion | 16:20 - 17:00 | Open Discussion | 16:20 - 17:00 | Open Discussion |

