



## Conference

# FENS satellite event On Hippocampal Mossy Fiber Synapses

Jonas Group

Host: Peter Jonas

Mossy Fiber Satellite Event – Aims The hippocampus is a region of the mammalian brain extensively studied due to its leading role in memory formation and consolidation. Hippocampal mossy fiber synapses are a central part of this memory circuit. Within the last decades, they have emerged as a model synapse to study fundamental questions in neuroscience. Our one-day satellite meeting at the Institute of Science and Technology Austria aims to explore this model synapse comprehensively by delving into its biophysical and structural aspects. With our event, we synergize international speakers and fellow researchers of all career levels who share a common interest in studying synaptic transmission at hippocampal mossy fiber synapses. In two main symposia, guests from leading international laboratories will particularly highlight recent (technological) advancements in studying mossy fiber synapses with a focus on state-of-the-art electrophysiology and super-resolution imaging. Recent translational work on mossy fiber synapses in human brain function and disease will be highlighted. We aim to integrate early career researchers in our satellite event on different levels. They will have the opportunity to present their work in poster sessions and the main symposia. The informal session format of a campfire session moderated by PhD students will encourage exchange with senior researchers and networking among the young generation. Main symposia are jointly chaired by a senior expert and an early career researcher. With our event on hippocampal mossy fiber synapses, we aim to exemplify the importance of studying central model synapses in unraveling the mysteries of synaptic transmission, plasticity, and computation. We hope to provide a fruitful environment for networking and future collaborations within the community. Katharina Lichter and Peter Jonas (Scientific Organizers) More information

**Monday, June 24, 2024 10:00am - 07:00pm**

Institute of Science and Technology Austria

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This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.  
Please find a schedule of the ISTA Shuttle on our webpage:  
<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle  
(#142) and has the Institute Logo printed on the side.