



Colloquium

Neural correlates of belief updates in the mouse secondary motor cortex

Tom Mrsic-Flogel

Sainsbury Wellcome Centre

Host: Maximilian Jösch

The talk will focus on decision-making under conditions of uncertainty. I will present a new task in mice designed to probe neural processes leading up to a decision, based on noisy sensory evidence and prior task knowledge, and report findings of cortex-wide dynamics during the task, which identify the premotor neocortex as representing the animal's state of belief prior to choice commitment. I will discuss a conceptual framework that can explain these findings, and finish on discussion of potential neural mechanisms contributing to activation of the premotor neocortex, such as the deep nuclei of the cerebellum.

Monday, January 11, 2021 04:00pm - 05:00pm

Online



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.