



Life Sciences Seminar

Dissecting prediction in the brain

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Host: Maximilian Jösch

Learning to predict when and what will happen next is central to behaving adaptively. Making predictions is arguably the core function of the brain as an organ. I will present work using two distinct behavioral tasks in mice carefully designed to dissect neural correlates of prediction. Prediction of Time: Dopaminergic activity in the substantia nigra pars compacta predicts and controls temporal judgments. These results hint towards why our perception of time is modulated by hedonic state ('time flies when you are having fun'). Prediction of a Sensory Sequence: Here I will share preliminary data that suggests even the earliest stages of our primate olfactory system, do not merely encode the world, they integrate predictions only one synapse from the periphery.

Thursday, March 8, 2018 10:00am - 11:00am

IST Austria Campus Mondri Seminar Room 2, Central Building



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