Seminar/Talk

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. Make 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 correlate 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 primal 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
Mondi Seminar Room 2, Central Building

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