



Life Sciences Seminar

Visual motion processing from retina to visual cortical areas in mice

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Host: Sandra Siegert

Inferring the speed and direction of image motion is critical for the survival of animals. Studies on rodents and rabbits have shown that visual motion processing starts in the retina. However, we are still far from understanding how visual motion is extracted by neuronal circuits of the retina and further processed in downstream brain areas for mediating relevant visually guided behaviors. My lab combines experimental approaches such as molecular biology, transcriptome analysis, mouse genetics, two-photon imaging, electrophysiology, trans-synaptic circuit labeling, and behavioral analysis to address these questions. In this talk I will present two recent findings from our lab: the circuit mechanisms underlying the speed and direction selectivity of motion sensitive neurons in the retina, and the cortical processing of retina-originated motion signals.

Monday, September 24, 2018 11:00am - 12:00pm

IST Austria Campus Seminar Room, Lab Building East



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.