

## Life Sciences Seminar

## Dissecting the circuits and algorithms that process visual motion

## Thomas R. Clandinin

Stanford University

Host: Maximilian Jösch

Peripheral visual circuits perform paradigmatic computations such as motion processing. However, our understanding of the necessary and sufficient roles of individual cell types, their interactions, and the molecules that underpin their specific activity patterns remains limited. Our work combines genetic manipulations of both neural activity and molecular function with in vivo imaging of calcium and voltage signals to unravel circuit mechanisms using the Drosophila visual system as a model. Our results reveal that the algorithms used to detect visual motion in flies and humans are fundamentally similar.

## Wednesday, December 6, 2017 03:00pm - 04:00pm

Mondi Seminar Room 1, Central Building



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.

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