

INVITATION

CMMC SEMINAR

Prof. Dr. Volker Hartenstein

Dept. of Molecular Cell and Dev. Biology
University of California Los Angeles - USA



Comprehensive Whole-Brain Mapping of Functional, Structural, and Developmental Modules Underlying Neural Networks of the Drosophila Larval Brain

Serial EM reconstruction of the Drosophila larval brain ("L1 connectome") extends previous analyses that represented the brain as an assembly of ~100 paired genetically specified lineages. The L1 connectome allowed us to further break down lineages into neuron classes that form circuits, and relate to different anatomical compartments of the brain, in a highly topologically ordered manner.

In his talk Volker Hartenstein will highlight the relation between lineage development, circuits and brain anatomy as exemplified by a specific compartment, the lateral accessory lobe (LAL).

July 22, 2025
02.00 p.m.

CMMC Seminar Room
CMMC Research Building
Robert-Koch-Str. 21, 50931 Cologne

Host:
Prof. Dr. Andreas Wodarz
Inst. I of Anatomy and CMMC



Information