

Dipartimento di Biotecnologie e Bioscienze – UNIMIB

Thursday, March 30, 2023, 4:30 p.m., BIOS building, room U3-08 / Webex

Transcriptomics meets connectomics in the fly nerve cord

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Abstract: The architecture of the nervous system provides the foundations of animal behaviour. Even though several molecular determinants of cell-type specification or synaptic specificity have been identified, a system-level understanding of the developmental and molecular mechanisms that lead to wiring specificity is still very incomplete. I will show how, by combining single-cell transcriptomics and connectomics data, we are tackling this question in the fruit fly that allows the unique opportunity to map developmental transcriptional dynamics to end-point neural circuits organisation.

Host: Veronica Krenn

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