

Biology seminar:



“Wiring up the brain during development: Coordination and propagation of cell fate choice in neural circuit assembly”

**Monday, October 30 at 3 pm
SSN 190**



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How do vast numbers of neurons connect with their proper targets during development? Dr. Chen uses advanced single-cell RNA sequencing technology, CRISPR gene editing, and sophisticated genetic manipulation in the *Drosophila* color vision circuit to identify candidates of cell adhesion molecules for synaptic partner matching. He will present the molecular logic for coordinating between cell-type specification and the synaptic connectivity at the system level.



Image credit: Dr. Wen Lu & Dr. Vladimir I. Gelfand