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MPI-NAT SEMINAR SERIES

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Investigating the roles of adhesion GPCRs in synapse formation and circuit assembly

Bidirectional trans-synaptic signaling directs synapse formation and neural circuit assembly. Increasing evidence supports that several subfamilies of adhesion G protein-coupled receptors (aGPCRs) control important mechanistic aspects of synapse assembly and neural circuit wiring by combining trans-synaptic adhesion with GPCR signaling. I will discuss the role of aGPCRs in establishing striatal D2 medium spiny neuron circuits, and our recently developed time-lapse imaging approaches to visualize synapse formation.

Tuesday, 13.10.2026, 14:00

Host: Nils Brose

City Campus Lecture Hall

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