Seminar/Talk

New insights into the structure and function of the AMPA receptor N-terminal domain

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AMPA-type glutamate receptors are the main mediators of synaptic transmission and plasticity. Recruitment of these glutamate-gated channels to synapses is a central mechanism to increase synaptic strength, which underlies learning. Recent progress in structural biology has led to an understanding of AMPA receptor architecture. Combined with coarse-grained simulations these insights have revealed the substantial flexibility of the AMPA receptor complex. In this talk I will highlight some of these advances and will discuss how dynamic rearrangements likely shapes receptor operation at synapses. A particular focus will be the large AMPA receptor N-terminal domain.

Tuesday, April 11, 2017 04:00pm - 05:00pm
Seminar Room, Lab Building East

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.