



## Life Sciences Seminar

# Spatial and temporal control of synaptic vesicle exocytosis and endocytosis

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Host: Peter Jonas

Synaptic vesicles fuse with the plasma membrane for neurotransmission. Subsequently, these vesicles are retrieved, and new vesicles are reconstituted locally at synapses. However, how exocytosis and endocytosis are controlled spatially and temporally remains enigmatic. We developed novel techniques in electron microscopy to capture membrane and protein dynamics with millisecond temporal resolution. In the seminar, I will discuss our recent progress on when, where, and how vesicles are consumed and recycled at synaptic terminals.

**Tuesday, November 5, 2019 11:00am - 12:00pm**

Mondi Seminar Room 2, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<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.