



SFB 1315

Mechanisms and Disturbances in Memory Consolidation:
From synapses to systems

Tuesday

MAY 11, 2021
4:00 pm CET

ZOOM ID: 7754910236

Register at:

SFB1315.ifb@hu-berlin.de

SFB 1315 LECTURE SERIES 2019-2022

**POST-ENCODING PERSISTENCE OF
ENCODING STATES STRENGTHENS
INDIVIDUAL MEMORIES, REORGANIZES
THOSE EXPERIENCES BASED ON
SHARED FEATURES AND BIASES THE
FATE OF NEW MEMORIES**

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German Research Foundation



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Episodic memories can be thought of as sequential associations linked together by a common contextual or event representation.

There has been much work examining how individual events become stabilized in memory.

Here I will present our work in humans first showing that we can measure post-encoding persistence with fMRI and show that this relates to later memory accessibility.

Furthermore, we look at how multiple experiences encountered at the same time later are re-organized according to their shared features in both hippocampus and cortex, perhaps relating to the development of knowledge structures

which represent related memories with overlapping neural ensembles.

Professor Davachi's talk is hosted by SFB1315 subproject Bo4 and moderated by Speaker Matthew Larkum.



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