SFB 1315
Mechanisms and Disturbances in Memory Consolidation:
From Synapses to Systems

Tuesday

DEC 14, 2021
4:00 pm CET

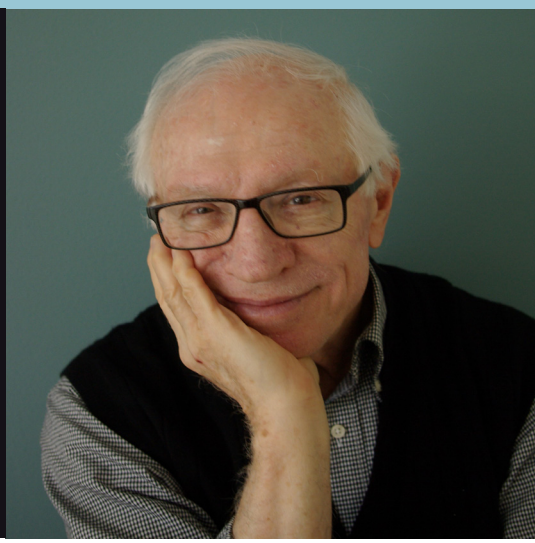
ZOOM ID: 7754910236
Register at:
SFB1315.ifb@hu-berlin.de

SFB 1315 LECTURE SERIES 2019-2021

THE COGNITIVE NEUROSCIENCE AND NEUROBIOLOGY OF MEMORY CONSOLIDATION AND TRANSFORMATION

MORRIS MOSCOVITCH

Max and Gianna Glassman Chair in
Neuropsychology and Aging
Professor, Department of Psychology
University of Toronto
Senior Scientist, Rotman Research Institute
Baycrest Centre for Geriatric Health



Funded by
DFG Deutsche Forschungsgemeinschaft
German Research Foundation

SFB 1315
Mechanisms and Disturbances in Memory Consolidation:
From Synapses to Systems

Tuesday

DEC 14, 2021
4:00 pm CET

ZOOM ID: 7754910236
Register at:
SFB1315.ifb@hu-berlin.de

THE COGNITIVE NEUROSCIENCE AND NEUROBIOLOGY OF MEMORY CONSOLIDATION AND TRANSFORMATION

An event is experienced at multiple levels from sensory details to its meaning and significance. At encoding, all these aspects of a memory, and their neural correlates, are bound together into a memory trace or engram.

With time and experience, as well as task demands, different aspects of the event are retained, transformed and modified, leading to memory reorganization. We think this term captures the nature of the processes at both psychological and neural levels better than memory consolidation.

In this talk, I will describe some of the interactions between the hippocampus and neocortex, particularly the posterior neocortex and medial prefrontal cortex, that underlie memory reorganization and representation from before acquisition to long-term retention.

Morris Moscovitch is Max and Gianna Glassman Chair in Neuropsychology and Aging, and leads the lab on Human Neuropsychology and Cognitive Science, at the Department of Psychology, University of Toronto. He is also senior scientist at the Rotman Research Institute, Baycrest Centre for Geriatric Health in Toronto.

Christoph Ploner (B05) will introduce the talk and SFB1315 Speaker Matthew Larkum will moderate the session. A meet-the-speaker session will be held directly after the talk by PhD students.

Funded by
DFG Deutsche Forschungsgemeinschaft
German Research Foundation