

Schedule for course SN00016 Learning and memory. 2021-05-17-2021-05-28

Organizer: Petronella Kettunen, petronella.kettunen@neuro.gu.se

Mon 2021-05-17

9:00 – 10:00 **Welcome and practical information.** Petronella Kettunen, University of Gothenburg

10:00 – 12:00 **Introduction to learning and memory.** Pontus Wasling, University of Gothenburg

13:00 – 14:30 **Evolution of learning and memory.** Julia Morud Lekholm, University of Gothenburg

Tue 2021-05-18

10:30 – 12:00 **Learning and memory from a clinical perspective.** Anders Wallin, University of Gothenburg

13:00 – 15:00 **Studying learning and memory in rodents.** Tobias Karlsson, Karolinska Institutet

Wed 2021-05-19

9:00 – 11:45 Time for group work

13:00 – 15:00 **Molecular and cellular mechanisms of learning and memory.** Eric Hanse, Gothenburg University

Thur 2021-05-20

9:00 – 11:00 **Computational neuroscience -the heritage of Hodgkin and Huxley. How to use mathematical models and computer simulation in studies of mechanisms in learning and memory,** Erik Fransén, KTH (Royal Institute of Technology)

13:00 – 15:45 **Learning, neuroplasticity and neural stem cells.** Georg Kuhn, University of Gothenburg

Fri 2021-05-21

09:00 – 11:00 **Learning and memory in the basal ganglia circuitry.** Louise Adermark, University of Gothenburg

13:30 – 15:45 **Social learning.** Lars Westberg. Gothenburg University

Mon 2021-05-24

9:00 – 11:00 **Learning and memory in a forensic psychological context.** Sara Landström, Gothenburg University

13:00 – 15:45 **The neurobiology of Pavlovian conditioning.** Germund Hesslow. Lund University

Tue 2021-05-25

9:00 – 11:00 **Neuronal synchronization and cognitive deficits in neurological disorders.** André Fisahn, Karolinska Institutet

13:00 – 15:45 **Studying memory, Alzheimer and inflammation in zebrafish.** Petronella Kettunen. University of Gothenburg

Wed 2021-05-26

9:00 – 11:45 **The memory systems of humans; how do we conceptualize and measure them in cognitive neuropsychology?** Jacob Stålhammar, University of Gothenburg/ Memory clinic ,Gbg

13:30 – 15:00 **Exhaustion disorder and cognitive effects of stress.** Susanne Ellbin, Institute of Stress Medicine

Thur 2021-05-27

9:00 – 11:45 Time for group work

13:00 – 15:00 **Neuroimaging of human memory in aging.** Grégoria Kalpouzos, Karolinska Institutet

Fri 2021-05-28

9:00 – 11:45 **Cognitive neuroscience of episodic memory and emotion-memory interactions.** Mikael Johansson, Lund University

13:00 – 15:45 **Examination** and end of course