



# Seminar SS'03

## "Learning and Memory"



**Seminar:** "Computational Neuroscience V: Learning and Memory"

**Time:** Friday, 27-June-2003

**Location:** ITB seminar room, Invalidenstr. 43

**Organizers:** Prof. Dr. A.V.M. Herz (AH) , Dr. L. Wiskott (LW), Dr. R. Kempter (RK)

**Structure:** 30min talks (strongly enforced) + 10min discussion and feedback

- 9:00- 9:40 1. The nature of explicit and implicit memory (Katja Gebert, RK)  
9:40-10:20 2. Anatomy and physiology of the hippocampus (Michael Bendels, RK)
- 10:20-10:35 Coffee break
- 10:35-11:15 3. Molecular bases of learning and memory: LTP (Philipp Müller, RK)  
11:15-11:55 4. Declarative memory, memory (re)consolidation, and the hippocampus  
(Roland Schaette, RK)
- 11:55-13:00 Lunch break
- 13:00-13:40 5. Hippocampus as an autoassociative memory (Jochen Winterer, LW)  
13:40-14:20 6. Computing with sequences (Malte Rasch, LW)
- 14:20-14:35 Coffee break
- 14:35-15:15 7. Place cells: how taxi drivers find their way (Heval Benav, LW)  
15:15-15:55 8. Decoding place cells (Wiebke Krambeck, AH)
- 15:55-16:10 Coffee break
- 16:10-16:50 9. Hippocampal rhythms (Nikolai Axmacher, AH)  
16:50-17:30 10. Sleep and playback of stored sequences (Martin Stemmler, AH)
- 17:30-19:15 Dinner break  
19:15-20:45 Movie "Memento" (optional)  
20:45-xx:xx Biergarten

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[http://itb.biologie.hu-berlin.de/~kempter/Teaching/2003\\_SS\\_Seminar/](http://itb.biologie.hu-berlin.de/~kempter/Teaching/2003_SS_Seminar/)