









## Reading list:

- Alvarez P, Lipton PA, Melrose R, Eichenbaum H (2001) Differential effects of damage within the hippocampal region on memory for a natural nonspatial odor-odor association. *Learn Mem* 8:79-86.
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- Clark RE, Broadbent NJ, Zola SM, Squire LR (2002) Anterograde amnesia and temporally graded retrograde amnesia for a nonspatial memory task after lesions of hippocampus and subiculum. *J Neurosci* 22(11):4663-4669.
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- Kauer JA, Malenka RC, Nicoll RA (1988) A persistent postsynaptic modification mediates long-term potentiation in the hippocampus. *Neuron* 1:911-917.
- Liao D, Hessler NA, Malinow R (1995) Activation of postsynaptically silent synapses during pairing-induced LTP in CA1 region of hippocampal slice. *Nature* 375:400-404.
- Malinow R, Tsien RW (1990) Presynaptic enhancement shown by whole-cell recordings of long-term potentiation in hippocampal slices. *Nature* 346:177-180.
- Milner B, Corkin S, Teuber H-L (1968) Further analysis of the hippocampal amnesic syndrome: 14-year follow-up study of H.M. *Neuropsychologia* 6:215-234.
- Milner B, Squire LR, Kandel ER (1998) Cognitive neuroscience and the study of memory. *Neuron* 20:445-468.
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- Scoville WB, Milner B (1957) Loss of recent memory after bilateral hippocampal lesions. *J Neurol Neurosurg Psychiatry* 20:11-21. Reprinted (2000) *J Neuropsychiatry Clin Neurosci* 12(1):103-113.
- Shrager Y, Kirwan CB, Squire LR (2008) Neural basis of the cognitive map: path integration does not require hippocampus or entorhinal cortex
- Stevens CF, Wang Y (1994) Changes in reliability of synaptic function as a mechanism for plasticity. *Nature* 371:704-707.
- Wills TJ, Lever C, Cacucci F, Burgess N, O'Keefe J (2005) Attractor dynamics in the hippocampal representation of the local environment. *Science* 308:873-876.
- Zhang S-J, Ye J, Miao C, Tsao A, Cerniauskas I, Ledergerber D, Moser M-B, Moser EI (2013) Optogenetic dissection of entorhinal-hippocampal functional connectivity. *Science* 340:1232627.

## Readings given on exams but not seen in class:

### Both courses:

- Bender KJ, Allen CB, Bender VA, Feldman DE (2006) Synaptic basis for whisker deprivation-induced synaptic depression in rat somatosensory cortex. *J Neurosci*. 26(16):4155-4165.

### Seminar only:

- Jenson A, Mauldin KN, Squire LR (2010) Intact working memory for relational information after medial temporal lobe damage. *J Neurosci* 30(41):13624-13629.

### Upper division only:

- Williford T, Maunsell JHR (2006) Effects of spatial attention on contrast response functions in macaque area V4. *J Neurophysiol* 96:40-54.