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Class #30: Hippocampal formation

Monday April 25, 2005

Questions based on lectures:

1. Describe differences between place cells and head direction cells as recorded in rats.
2. Contrast the learning manifest in the two major links between olfactory inputs and motor outputs.
3. What is the difference in location of the hippocampus of large primates and its location in the rat?
4. Where is long term potentiation (LTP) found in the hippocampus?
5. Describe the type of anatomical plasticity seen in the hippocampus after specific lesions in adulthood.
6. How might neuromodulators effect the functioning of the hippocampus during waking and sleep?