

BIOLOGY 492: SENIOR SEMINAR  
READING LIST: SPRING, 2010

**Global warming**

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**The neurobiology of rewards, addiction, and drug tolerance**

3. BURKE, K. A., T. M. FRANZ, D. N. MILLER and G. SCHOENBAUM, 2008 The role of the orbitofrontal cortex in the pursuit of happiness and more specific rewards. *Nature* **454**: 340-344.
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5. SCHOLZ, H., M. FRANZ and U. HEBERLEIN, 2005 The hangover gene defines a stress pathway required for ethanol tolerance development. *Nature* **436**: 845-847.
6. STIPANOVICH, A., E. VALJENT, M. MATAMALES, A. NISHI, J. H. AHN *et al.*, 2008 A phosphatase cascade by which rewarding stimuli control nucleosomal response. *Nature* **453**: 879-884.

**Pheromones, olfaction, and sexual behavior**

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12. ZOU, Z., L. F. HOROWITZ, J. P. MONTMAYEUR, S. SNAPPER and L. B. BUCK, 2001 Genetic tracing reveals a stereotyped sensory map in the olfactory cortex. *Nature* **414**: 173-179.

### **Learning, working memory, and bird song**

13. FEHER, O., H. WANG, S. SAAR, P. P. MITRA and O. TCHERNICHOVSKI, 2009 De novo establishment of wild-type song culture in the zebra finch. *Nature* **459**: 564-568.
14. HARRISON, S. A., and F. TONG, 2009 Decoding reveals the contents of visual working memory in early visual areas. *Nature* **458**: 632-635.
15. YANG, G., F. PAN and W. B. GAN, 2009 Stably maintained dendritic spines are associated with lifelong memories. *Nature* **462**: 920-924.

### **Telomeres, cancer, and aging**

16. FINKEL, T., M. SERRANO and M. A. BLASCO, 2007 The common biology of cancer and ageing. *Nature* **448**: 767-774.
17. GANEM, N. J., S. A. GODINHO and D. PELLMAN, 2009 A mechanism linking extra centrosomes to chromosomal instability. *Nature* **460**: 278-282.
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