

THE MOLECULAR BASIS OF BEHAVIOR

2nd Term 2010, 10am MWF, 100 Broad bldg.

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Circadian Rhythms, Sleep, Eating

- 1/4 Intro/biological clocks [KZ]
- 1/6 Sleep & narcolepsy [KZ]
- 1/8 Eating: leptins, genetics of obesity, anorexia [KZ]

Social behavior & aggression

- 1/11 Olfaction [KZ]
- 1/13 Genes, serotonin and aggression [PHP]
- 1/15 Reward & addiction [KZ] QUIZ

1/18 MLK Holiday

Sex

- 1/20 Sexual differentiation of the mammalian brain & behavior [PHP]
- 1/22 Hormones and birdsong; maternal behavior; monogamy [PHP] QUIZ

Learning and Memory

- 1/25 The hippocampus and memory [Thanos Siapas]
- 1/27 Proteins involved in learning/synaptic plasticity [KZ]
- 1/29 Student Presentations QUIZ *Pick midterm topic by this date*

- 2/1 Molecular biology of cognition [Alcino Silva]
- 2/3 Student Presentations
- 2/5 Student Presentations QUIZ

- 2/8 Neurogenesis in the adult brain [PHP]
- 2/10 Student Presentations
- 2/12 Student Presentations QUIZ *Midterm due*

Mental Illness & Neurodegeneration

- 2/15 Schizophrenia [PHP]
- 2/17 Prion diseases [KZ] Student Presentations
- 2/19 Student Presentations QUIZ

- 2/22 Parkinson's and Huntington's diseases [PHP]
- 2/24 Student Presentations
- 2/26 Student Presentations QUIZ

- 3/1 Fear and emotion [David Anderson]
- 3/3 Alzheimer's disease [PHP]

3/5 Student Presentations QUIZ

3/8 Complex genetics of mental illness {KZ}

3/10 Student Presentations QUIZ *Final exam out; due 3/17 noon*

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