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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