Tentative Lecture Schedule for MCDB 153

"Molecular and Cellular Approaches to Neural Development"

Spring Quarter, 2013

Tues/Thurs 9:30-10:45 Rathmann Auditorium

Professor: Dr. Stuart Feinstein

Date	Lecture Topic(s)
1. April 2	Course logistics; Signal Transduction; Experimental Strategies
2. April 4	Early Development; Early Neural Development (descriptive presentation) (Chap. 1)
3. April 9	Early Neural Development - Neural Induction; Polarity and Segmentation (Chap. 2)
4. April 11	Early Neural Development - Polarity and Segmentation; Neurogenesis and Migration (Chap. 3)
5. April 16	Early Neural Development - Neurogenesis and Migration; Determination and Differentiation (Chap. 4)
6. April 18	Early Neural Development - Determination and Differentiation; tie up loose ends……(Chap. 4)
7. April 23	Axon Outgrowth and Guidance (Chap 5)
8. April 25	Midterm Examination 1
9. April 30	Axon Outgrowth and Guidance (Chap. 5)
10. May 2	Neuron-Target Interaction – Recruitment Model to Programmed Cell Death; Nerve Growth Factor (Chap.7)
11. May 7	Neuron-Target Interaction – Nerve Growth Factor (Chap. 7)
12. May 9	Neuron-Target Interaction – Nerve Growth Factor; Molecular Basis of Programmed Cell Death (Chap. 7)
13. May 14	Target Selection; Synapse Formation and Function (Chap. 6)
14. May 16	Synapse Formation and Function; Synapse Refinement (Chapters 8,9)
15. May 21	Midterm Examination 2
16. May 23	Stem Cells
17. May 28	Neurodegeneration - Alzheimer's Disease and Related Dementias
18. May 30	Neurodegeneration - Alzheimer's Disease and Related Dementias
19. June 5	Special Topic
20. June 7	Special Topic