

BIOM 255, Spring 2006

Drugs and Disease: The pathophysiological and molecular bases of disease and drug therapy

Tuesday and Thursday, 8:30 - 10:00am, CMME 2047

Course Directors: Joan Heller Brown, Paul Insel, Kim Barrett

Block (Leader)	Date	Lecturer	Topic	
Pain (Yaksh)				
1.	April	4	Tony Yaksh	Biology of pain processing
2.		6	Camilla Svensson	Pharmacology and physiology of neuropathic pain
3.		11	Tony Yaksh	Opiates: Analgesia and tolerance
4.		13	Tony Yaksh	Pain therapeutics
Neurotransmission/Neuromuscular Junction (Lieber)				
5.		18	Charles Stevens	Neurotransmission and neuromuscular junction
6.		20	Richard Lieber	Cytoskeletal Proteins and Muscular Dystrophy
7.		25	Palmer Taylor	Diseases and therapy of cholinergic systems
8.		27	Richard Lieber	Paper discussion
CNS Transmitters/Psychiatric Drugs (Heller Brown)				
9.	May	2	Joan Heller Brown	CNS Transmitters
10.		4	Joan Heller Brown	Therapy of psychiatric disorders
11.		9	John Kelsoe	Etiology and genetics of bipolar disorders
12.		11	Kelsoe and Heller Brown	Paper discussion
Neurodegenerative Disorders (Dewji)				
13.		16	Nazneen Dewji	Alzheimer's disease
14.		18	Katerina Akassoglou	Multiple Sclerosis
15.		23	Eliezer Masliah	Parkinson's Disease
16.		25	Brown and Dewji	Paper discussion/ replacement drug therapy for neurodegenerative disorder
Drugs of Abuse (Kuczenski)				
17.		30	Mark Geyer	Club Drugs
18.	June	1	Gerhard Schulteis and Kim Barrett	Alcohol
19.		6	Ronald Kuczenski	Methamphetamine
20.		8	Ronald Kuczenski	ADHD/Ritalin/Paper discussion