

GNET 622
HUMAN AND MOUSE GENETICS
SPRING 2011
TENTATIVE LECTURE SCHEDULE
ROOM 527B HEALTH SCIENCES LIBRARY; TTh 12:30-1:45
(Review sessions Fri 11:00 - 12:00, 3074 Bondurant Hall)

<u>Date</u>	<u>Topic</u>
January	11 (Tu): Pardo-Manuel de Villena - Intro to human & mouse genomes
	13 (Th): Pardo-Manuel de Villena - Intro to human & mouse genomes (rm 2076 Bondurant Hall)
	18 (Tu): Farber - Human Mendelian genetics (Pedigree analysis)
	20 (Th): Farber - Human Mendelian genetics (Pedigree analysis)
	25 (Tu): Farber - Human Mendelian genetics; review of Hardy-Weinberg basics
	27 (Th): Farber - Human mutation
February	1 (Tu): Farber - Human mutations resulting from aberrant recombination
	3 (Th): Farber - Human cytogenetics
	8 (Tu): Mohlke - Human molecular phylogenetics
	10 (Th): Mohlke - Hardy-Weinberg Equilibrium and exceptions
	15 (Tu): Mohlke - Mendelian linkage analysis
	17 (Th): Mohlke - Linkage disequilibrium and association analysis
	22 (Tu): Mohlke - Identifying genes for Mendelian disorders
	24 (Th): Mohlke - Identifying genes for complex disorders Midterm (handed out Fri. 2/25, due Tues. 3/1)
March	1 (Tu): Sullivan - Genetic analysis of human complex traits
	3 (Th): Sullivan - Genetic analysis of human complex traits Spring Break
	15 (Tu): Sullivan - Genetic analysis of human complex traits
	17 (Th): Sullivan - Genetic analysis of human complex traits
	22 (Tu): Sullivan - Genetic analysis of human complex traits
	24 (Th): Pardo-Manuel de Villena - Mouse genetics
	29 (Tu): Pardo-Manuel de Villena - Mouse genetics
	31 (Th): Koller - Mouse models of human disease
April	5 (Tu): Koller - Mouse models of human disease
	7 (Th): Bultman - Introduction to epigenetics & chromatin
	12 (Tu): Bultman - DNA Methylation
	14 (Th): Bultman - Nucleosomes & histone modifications
	19 (Tu): Bultman - PcG/trxG & position-effect variegation
	21 (Th): Bultman - X-Chromosome inactivation & genomic imprinting
	26 (Tu): Bultman - Emerging concepts & issues in epigenetics

Final exam (handed out Fri. 4/29, due Tues. 5/3)