

12-844 - Molecular and Cellular Evolution

Wed. 8:30 - 11:00 Room 218 Earl Hall

<u>Date</u>	<u>Week</u>	<u>Title</u>	<u>Staff</u>	<u>Student</u>
Wed. Jan. 11	1	Origin of life	Morris	-
Wed. Jan. 18	2	Synthesis of ordered sequence of Macromolecules	Morris	
		Origin of the Genetic Code		B. Potter 1
Wed. Jan. 25	3	The birth of genes	White	
		Genetic evidence for unequal crossing over		J. Spence 2
Wed. Feb. 1	4	Gene fixation - neutralist/ selectionist	Gross	C. Davies 3
Wed. Feb. 8	5	Protein evolution -immunological and sequence	Flynn	D. Harnish 4
Mon. Feb. 13	6	Protein evolution - phylogenetic trees-molecular clock	Flynn	S. Eisen 5
Wed. Feb. 15				L. McKay 6 R. Fourrey 7
Wed. Mar. 1	7	Evolution of non-coding DNA sequences	White	
		Evolution of regulatory sequences		J. Irvine 8
Wed. Mar. 8	8	Chromosome evolution	Hood	T. Garber 9
Wed. Mar. 15	9	Evolution of eukaryotes	Brasch	C. Ridell 10

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Mon. Mar. 20	10	Evolution of multi-cellularity	Morris	Middleton 11
Wed. Mar. 22				Lillie 12
Mon. Mar. 27	11	Origin of planets	A. Bridle	
Wed. Mar. 29		Planets and Life	Brasch	F. Jacobs 13
Wed. Apr. 5	12	Where to now? Artificial control of evolution	Brasch <u>et al</u>	McLinnon 14

N.B. For weeks 6, 10 and 11 there is an extra session 10:30-12:30 p.m. on Mondays in room 218.