

Molecular Biology

BIMM 100 Fall 2009

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2310 Bonner Hall
Office hours: Tuesdays 2-4 PM

Text: Lodish et al. "Molecular Cell Biology"
Freeman , 6th Edition
Lectures: Tuesday and Thursday 5:00 to 6:20 PM
Center Hall 101

<u>Lecture</u>	<u>Date</u>	<u>Subject</u>	<u>Readings in text</u>
1	Sept. 24	Overview; size; DNA; PCR	111-119; 188-191
2	Sept. 29	DNA replication	139- 144
3	Oct. 1	Mutations; DNA repair	145- 150
4	Oct. 6	RNA transcription	120- 126
5	Oct. 8	RNA processing; Northern blots	323- 341
6	Oct. 13	Protein synthesis	127- 139
7	Oct. 15	The Code; tRNAs	
8	Oct. 20	Gene cloning and sequencing	176- 187
9	Oct. 22	Molecular genetics	204-214
10	Oct. 27	RNAi and wrap-up	
10	Oct. 29	MID-TERM (40%)	
11	Nov. 3	Regulation of DNA synthesis; cell cycle	872-891
12	Nov. 5	Regulation of transcription; the lac operon	269- 281
13	Nov. 10	Transcription in phage lambda	see lecture slides
14	Nov. 12	Eukaryotic gene regulation	276- 298; 316- 320
15	Nov. 17	Genomics; selfish genes; pseudogenes	215- 228
16	Nov. 19	Genomic evolution	243- 247
17	Nov. 24	Signal transduction	684- 694
18	Nov. 26	THANKSGIVING	
19	Dec. 1	Gene therapy	194- 204
20	Dec. 3	Putting it all together	
Dec. 11 from 7 - 10 PM - FINAL (60%)			