

BMS 715 Molecular Biology

Spring 2017

9 AM to 10 AM
Monday, Wednesday, and Friday - 4007 HSC

Lecture Schedule

Date	Session	Topic	Instructor
January			
9	1	Course Overview, DNA Structure & Properties	Hillgartner
11	2	Bacterial Genome	Stoilov
13	3	Prokaryotic Gene Transcription	Stoilov
16	No Class	Martin Luther King Day	-
18	4	Structure of Eukaryotic Genomes	Mathers
20	5	Structure and Replication of DNA/Chromosomes	Mathers
23	6	DNA Methods/Bioinformatics	Mathers
25	7	DNA Methods/Bioinformatics	Mathers
27	8	Exam 1 (20 Points), Room HSN-H 2912, 2 - 4 pm	-
30	9	Mendelian and Non-Mendelian Genetics	Mathers
February			
1	10	Genetic Mapping	Mathers
3	11	Genetic Manipulations	Mathers
6	12	Model Systems	Mathers
8	13	Cell Specification and Differentiation	Mathers
10	14	Stem Cell Biology	Mathers
13	15	Journal Club	Mathers
15	16	Methods for Studying Eukaryotic Gene Transcription	Hillgartner
17	17	Mechanism of Gene Transcription in Eukaryotes	Hillgartner
20	18	Regulation of Gene Transcription in Eukaryotes	Hillgartner
22	19	Regulation of Gene Transcription in Eukaryotes	Hillgartner
24	20	Journal Club, Biochem Conference Room	Hillgartner
27	21	Exam 2 (34 Points), Room HSN-H 2912, 2 - 4 pm	-
March			
1	22	mRNA Processing, Part 1	Stoilov
3	23	mRNA Processing, Part 2	Stoilov
-	No Class	March 6 to March 10	-
13	24	Regulation of RNA Splicing and RNA Turnover	Stoilov
15	25	Regulation of RNA Splicing and RNA Turnover	Stoilov
17	26	Micro-RNA and Non-coding RNA; siRNA Technology	Stoilov
20	27	Epigenetics	Stoilov
22	28	DNA Repair	Stoilov
24	No Class	Van Liere Reseach Day	-
27	29	tRNA and rRNA Processing	Stoilov
29	30	Journal Club, Biochem Conference Room	Stoilov
31	31	Exam 3 (26 Points), Room HSN-H 2912, 1 - 3 pm	-

April			
3	32	Translating the Genetic Code	Smith
5	33	Translation Initiation	Smith
7	34	Translation Elongation and Termination	Smith
10	35	Protein Folding /Chaperones	Smith
12	36	Protein Degradation 1	Smith
14	37	Protein Degradation 2	Smith
17	38	Journal Club, Biochem Conference Room	Smith
19	39	Exam 4 (20 Points), Room HSN-H 2911, 2 - 4 pm	-