

Biochemistry & Molecular Biology						
Day		Time	Room		Title	Instructors
M	22-Aug	8:30-10:25	C1-3	L	Introduction, Amino Acids and Primary Structure	L Bloom
T	23-Aug	8:30-9:20	C1-3	L	Peptide Bonds and Secondary Structure	L Bloom
T	23-Aug	9:35-10:25	C1-3	L	Tertiary and Quaternary Structure	L Bloom
W	24-Aug	8:30-9:20	C1-3	L	Protein Folding and Chaperones	L Bloom
W	24-Aug	9:35-10:25	C1-3	L	Protein-Ligand Interactions	L Bloom
Th	25-Aug	9:35--10:25	C1-3	L	Introduction to Computer Based Learning	Gitzendanner
F	26-Aug	8:30-9:20	C1-3	L	Introduction to Computer Based Learning	Thomas, Sethuraman, Sundaresan
F	26-Aug	9:35-10:25	C1-3	L	Membrane Proteins	L Bloom
M	29-Aug				Lab Rotation 1 begins Presentations 10/10-10/14	
M	29-Aug	8:30-9:20	C1-3	L	Nucleic Acid Structure: DNA	Bungert
M	29-Aug	9:35-10:25	C1-3	L	Nucleic Acid Structure: RNA	Bungert
T	30-Aug	8:30-10:25	C1-3	CBL 1	Introduction, survey of main command line usage principles	James Thomas Sunantha Sethuraman Varsha Sundaresan
W	31-Aug	8:30-9:20	C1-3	L	Enzyme Mechanisms	L Bloom
W	31-Aug	9:35-10:25	C1-3	L	Enzyme Inhibition	L Bloom
Th	1-Sep	8:30-9:20	C1-3	L	Enzyme Kinetics - dose response	L Bloom
Th	1-Sep	9:35-10:25	C1-3	L	Structure-based (rational) design of enzyme-directed drugs	L Bloom
F	2-Sep	8:30-10:25	LG 110 A&B	GR	Structural biology of gene therapy	M Agbandje-McKenna
M	5-Sep	HOLIDAY	Labor Day - No Classes			
T	6-Sep	8:30-10:25	C1-3	CBL 2	Continue overview of command line, Introduction to Python	James Thomas Sunantha Sethuraman Varsha Sundaresan
W	7-Sep	8:30-9:20	C1-3	L	Protein/DNA Interactions	Bungert
W	7-Sep	9:35-10:25	C1-3	L	Gene and Promoter Structure	Bungert
Th	8-Sep	8:30-9:20	C1-3	L	Evolution	Cohn
Fr	9-Sep	8:30-10:25	C1-3		Review	
M	12-Sep	8:30-11:30	C1-3		EXAM 1	
T	13-Sep	8:30-10:25	C1-3	CBL 3	Short review, introduction to HPC, RNA-Seq alignment example	James Thomas Sunantha Sethuraman Varsha Sundaresan

					RNA-Seq alignment example	
W	14-Sep	8:30-9:20	C1-3	L	OPEN	
Th	15-Sep	8:30-9:20	C1-3	L	Chromatin/Chromosomes	Yang
Th	15-Sep	9:35-10:25	C1-3	L	Genome Structure	Yang
Fr	16-Sep	8:30-10:25	C1-3	L	DNA Replication 1 and 2	L Bloom
M	19-Sep	8:30-9:20	C1-3	L	DNA Replication 3	L Bloom
M	19-Sep	9:35-10:25	C1-3	L	DNA Repair 1	Brown
T	20-Sep	8:30-9:20	C1-3	L	DNA Repair 2	Brown
W	21-Sep	9:35-10:25	C1-3	L	Transcription prokaryotes	Bungert
Th	22-Sep	8:30-10:25	HME 422	D1	Paper discussion? CRISPR Cas9	Jared Taylor
Th	22-Sep	8:30-10:25	HME 322	D1		Margaret White
Th	22-Sep	8:30-10:25	HME 320	D1		Rosha Poudyal
Th	22-Sep	8:30-10:25	R2-215	D1		Ally Shea
Fr	23-Sep	8:30-9:20	C1-3	L	Transcription Eukaryotes 1	Bungert
Fr	23-Sep	9:35-10:25	C1-3	L	RNA interference and microRNA	Harfe
M	26-Sep	8:30-9:20	C1-3	L	Transcription Eukaryotes 2	Bungert
M	26-Sep	9:35-10:25	C1-3	L	Non-coding RNA	Bungert
T	27-Sep	8:30-10:25	HME 422	D2	Promoter directionality is controlled by U1 snRNP and polyadenylation signals	Jared Taylor
T	27-Sep	8:30-10:25	HME 322	D2		Margaret White
T	27-Sep	8:30-10:25	HME 320	D2		Rosha Poudyal
T	27-Sep	8:30-10:25	R1-106	D2		Ally Shea
W	28-Sep	8:30-9:20	C1-3	L	RNA Processing Splicing I (basic)	Berglund
W	28-Sep	9:35-10:25	C1-3	L	Splicing 2	Berglund
Th	29-Sep	8:30-10:25	R1-106	TBL 1		McCormack
Fr	30-Sep	8:30-10:25	C1-3	L	Protein Synthesis 1	Bungert
Fr	30-Sep	9:35-10:25	C1-3	L	Protein Synthesis 2	Bungert
M	3-Oct	8:30-10:25	C1-3		Review	
T	4-Oct	8:30-11:30	C1-3		Exam 2	
Genetics						
W	5-Oct	8:30-9:20	C1-3	L	HTP seq techniques (ChIP Seq/RNA Seq)	Renne
W	5-Oct	9:35-10:25	C1-3	L	HTS analysis	Zhou
Th	6-Oct		C1-3		Open	
Fr	7-Oct	8:30-10:25	HME 422	D3	High-resolution profiling of Histone Methylations in the Human Genome	Jared Taylor
Fr	7-Oct	8:30-10:25	HME 322	D3		Margaret White
Fr	7-Oct	8:30-10:25	HME 320	D3		Rosha Poudyal
Fr	7-Oct	8:30-10:25	R1-106	D3		Ally Shea
M	10-Oct	8:30-9:20	C1-3	L	Chromosomes, Meiosis and Medel's Laws	J Resnick

M	10-Oct	9:35-10:25	C1-3	L	Mendelian Inheritance, Recomb, Linkage	J Resnick
T	11-Oct	8:30-10:25	HME 422	D4	Recombination mapping in drosophila discussion paper guide	Jared Taylor
T	11-Oct	8:30-10:25	HME 322	D4		Margaret White
T	11-Oct	8:30-10:25	HME 320	D4		Rosha Poudyal
T	11-Oct	8:30-10:25	R1-106	D4		Ally Shea
W	12-Oct	8:30-9:20	C1-3	L	Physical Maps	J Resnick
W	12-Oct	9:35-10:25	C1-3	L	Cytogenetics	M Wallace
Th	13-Oct		C1-3		OPEN	
Fr	14-Oct				Lab Rotation 1 Ends	
Fr	14-Oct	HOLIDAY	UF homecoming			
M	17-Oct	8:30-9:20	C1-3	L	Emerging techniques in genetics based analysis	J Resnick
M	17-Oct	9:35-10:25	C1-3	L	Population Genetics	M Wallace
M	17-Oct		C1-3		Lab Rotation 2 begins Presentations 12/12-12/16	
T	18-Oct	8:30-9:20	C1-3	L	Analysis of Mutants	J Resnick
T	18-Oct	9:35-10:25	C1-3	L	Mutation and Cancer Genetics	J Resnick
W	19-Oct	8:30-9:20	C1-3	L	Mouse Genetics I	J Resnick
W	19-Oct	9:35-10:25	C1-3	L	Mouse Genetics II	J Resnick
Th	20-Oct	8:30-10:25	R1-106	TBL 2		McCormack
Fr	21-Oct	8:30-9:20	C1-3	L	Nonmendelian Inheritance	J Resnick
Fr	21-Oct	9:35-10:25	C1-3	L	Genetic Imprinting	J Resnick
Fr	21-Oct	10:25	C1-3		Review	J Resnick
M	24-Oct	8:30-11:30	C1-3		EXAM 3	
Cellular Structure and Signaling						
T	25-Oct	8:30-9:20	C1-3	L	Plasma membrane	J Aris
T	25-Oct	9:35-10:25	C1-3	L	Introduction to Cell Signaling: Overview of Pathways	J Harrison
W	26-Oct	8:30-9:20	C1-3	L	Receptor Tyrosine Kinases/MAPK/AKT:PI3K I	B Law
W	26-Oct	9:35-10:25	C1-3	L	Receptor Tyrosine Kinases/MAPK/AKT:PI3K II	B Law
Th	27-Oct	8:30-10:25	C1-3		OPEN	
Fr	28-Oct	8:30-9:20	C1-3	L	G-protein Coupled Signaling I	J Harrison
Fr	28-Oct	9:35-10:25	C1-3	L	G-protein Coupled Signaling II	J Harrison
M	31-Oct	8:30-9:20	C1-3	L	Cellular Compartments	W. Dunn
M	31-Oct	9:35-10:25	C1-3	L	Nucleo-Cytoplasmic Transport	A. Ishov
T	1-Nov	8:30-9:20	C1-3	L	Protein Sorting to Mitochondria and Peroxisomes	S. Narayan
W	2-Nov	8:30-9:20	C1-3	L	Protein Sorting to RER	J. Aris
W	2-Nov	9:35-10:25	C1-3	L	Protein Folding in RER	J. Aris

Th	3-Nov	8:30-9:20	C1-3	GR	Alpha1-antitrypsin deficiency, a disease of the liver and lungs	Dr. Mark Brantly
Th	3-Nov	9:35-10:25	C1-3			
Fr	4-Nov	8:30-10:25	C1-3		OPEN	
M	7-Nov	8:30-9:20	C1-3	L	Vesicular Trafficking I	J. Aris
M	7-Nov	9:35-10:25	C1-3	L	Vesicular Trafficking II	W. Dunn
T	8-Nov	8:30 -10:25	R1-106	TBL	Protein Trafficking	W. Dunn and J Aris
W	9-Nov	8:30-10:25	C1-3		Review for Exam 4	J. Harrison
Th	10-Nov	8:30-11:30	C1-3		EXAM 4	
F	11-Nov	HOLIDAY	Veterans Day			
M	14-Nov	8:30-9:20	C1-3	L	Cytoskeleton I	E. Vitriol
M	14-Nov	9:35-10:25	C1-3	L	Cytoskeleton II	E. Vitriol
T	15-Nov	8:30-10:25	C1-3		OPEN	
W	16-Nov	8:30-9:20	C1-3	L	Cell Junctions	S. Holliday
W	16-Nov	9:35-10:25	C1-3	L	Extracellular Matrix (ECM)	S. Holliday
Th	17-Nov	8:30-9:20	C1-3		OPEN	
F	18-Nov	8:30-9:20	C1-3	L	Protein Degradation - Proteasome	W Dunn
F	18-Nov	9:35-10:25	C1-3	L	Protein Degradation - Lysosome	W Dunn
M	21-Nov	8:30-10:25	R1-106	TBL	Cellular Homeostasis	W Dunn and J Aris
T	22-Nov	8:30 -9:35	C1-3	GR	Lysosomal Storage Disease: Pompe Disease	B. Byrne
W-F	Nov 23-25	HOLIDAY			Thanksgiving Holiday	
M	28-Nov	8:30-9:20	C1-3	L	Cell Cycle I	S Narayan
M	28-Nov	9:35-10:25	C1-3	L	Cell Cycle II	S Narayan
T	29-Nov		C1-3		OPEN	
W	30-Nov	8:30-9:20	C1-3	L	Cell Death	D. Liao
W	30-Nov	9:35-10:25	C1-3	L	Cells to Tissues	W. Dunn
Th	1-Dec	8:30-10:25	C1-3		OPEN	
F	2-Dec	8:30-9:20	C1-3	L	Stem Cells	N. Terada
F	2-Dec	9:35-10:25	C1-3	L	Tissue Renewal	E. Scott
M	5-Dec	8:30-10:25	R1-106	TBL	Cell Life and Death	W Dunn and J Aris
T	6-Dec	8:30-10:30	C1-3		Review for Exam 5	
W	7-Dec	8:30-11:30	C1-3		EXAM 5	W. Dunn

HME= Harrell Medical Education Bldg.

D= Small group discussion

GR= Grand round

L= Lecture

CBL=Computer-based learning

TBL=Team-based learning

Rotation 1: 8/29-10/14 - Presentations: 10/10-10/14

Rotation 2: 10/17-12/16- Presentations 12/12-12/16