

Core Course Fall 2009					Rotation Schedule & Other Dates
		8:50-9:35 and 9:45-10:30 am - D1.602		10:45 - 12:00 noon	
24-Aug	G1	Genes Classic Paper	L. Avery		
25-Aug	G2	Molecular Biology Methods	D. Russell		
26-Aug	P1	Proteins Classic Paper	D. Corey		
27-Aug	C1	Cells Classic Paper	N. van Oers		Experimental Design Study Groups
28-Aug		Experimental Design - ARS			Experimental Design - ARS
31-Aug	G4	Computational Methods	A Pertsemidis		
1-Sep	P2	Proteins Methods	K. Brown, J. Kohler		Ethics
2-Sep	G3	Genetic Methods	L. Avery	GI	Genes Literature Critique
3-Sep	C2	Cell Biology Methods	C. Wuelfing		Experimental Design Study Groups
4-Sep		Experimental Design - ARS			Experimental Design - ARS
7-Sep		Labor Day			
8-Sep	G5	Molecular Genetics of Bacteria / Yeast	W. Winkler / B. Tu		Begin Rotation 1
9-Sep	G6	Molecular Genetics of Worms / Flies	L. Avery	GII	Genes Literature Critique
10-Sep	G7	Molecular Genetics of Mice	M. Tallquist		Experimental Design Study Groups
11-Sep		Experimental Design - ARS			Experimental Design
14-Sep	G8	Molecular Genetics of Humans	J. Cohen		
15-Sep	G9	Population Genetics	S. Wooding		Ethics
16-Sep	P3	Spectroscopic Methods - Using Light to Study B	E. Ross	GIII	Genes Literature Critique
17-Sep	P4	Methods of protein structure determination	L. Rice		Experimental Design Study Groups
18-Sep		Experimental Design - Assigned Problem			Experimental Design
21-Sep		Exam 1			
22-Sep	P5	Protein Energetics I	R. Ranganathan		
23-Sep	P6	Protein Energetics II	R. Ranganathan	PI	Proteins Literature Critique
24-Sep	P7	Protein Energetics III	R. Ranganathan		Experimental Design Study Groups
25-Sep		Experimental Design - Assigned Problem			Experimental Design
28-Sep	C3	Cellular Electricity	L. Avery		
29-Sep	P8	Protein Structure and Stability I	X. Zhang		
30-Sep	P9	Protein Structure and Stability II	X. Zhang	PII	Proteins Literature Critique
1-Oct	P10	Protein Structure and Stability III	Y. Chook		Experimental Design Study Groups
2-Oct		Experimental Design - Assigned Problem			Experimental Design
5-Oct	G10	Replication	H. Zou		
6-Oct	G11	DNA Repair and Recombination I	M. Porteus		
7-Oct	G12	DNA Repair and Recombination II	M. Porteus	GIV	Genes Literature Critique
8-Oct	G13	Prokaryotic Transcription	W. Winkler		Experimental Design Study Groups
9-Oct		Experimental Design - Assigned Problem			Experimental Design
12-Oct	P11	Ligand Binding and Allosteric Regulation I	M. Rosen		
13-Oct	P12	Ligand Binding and Allosteric Regulation II	M. Rosen		
14-Oct	P13	Ligand Binding and Allosteric Regulation III	Y. Chook	PIII	Proteins Literature Critique
15-Oct	P14	Protein Database Analysis Tools	N. Grishin		Experimental Design Study Groups
16-Oct		Experimental Design - Random group, 1 problem			Experimental Design
19-Oct		Exam 2			
20-Oct	G14	Eukaryotic Transcription Machinery	C.-M. Chiang		
21-Oct	G15	Chromatin & Epigenetic Control	C.-M. Chiang	PIV	Proteins Literature Critique
22-Oct	G16	RNA Interference	Y. Liu		Experimental Design Study Groups
23-Oct		Experimental Design - Random group, 1 problem	L4.176		Experimental Design
26-Oct	G17	RNA Processing	N. Conrad		Begin Rotation 2
27-Oct	P15	Chemical Mechanisms of Enzymatic Catalysis	M. Phillips		
28-Oct	P16	Serine Proteases	M. Phillips	GV	Genes Literature Critique
29-Oct	P17	Enzyme Kinetics and Assays	M. Phillips		Experimental Design Study Groups
30-Oct		Experimental Design - Random group, 1 problem			Experimental Design
2-Nov	G18	Translation I	D. Russell		Give out GPS
3-Nov	G19	Translation II	D. Russell		
4-Nov	P18	Protein Degradation I	G. DeMartino	PV	Proteins Literature Critique
5-Nov	P19	Protein Degradation II	G. DeMartino		Experimental Design Study Groups
6-Nov		Experimental Design - Random group, 1 problem			Experimental Design
9-Nov	P20	Protein Folding and Chaperones	M. Roth		
10-Nov	C4	Cell Membranes: Lipids and Proteins	J. Albanesi		Ethics
11-Nov	C5	Second Messengers and Lipid Signaling	J. Albanesi	CI	Cells Literature Critique

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12-Nov	C6	Organelle Biogenesis	J. Goodman		
13-Nov		<i>GPS groups meet</i>			
16-Nov		Exam 3			
17-Nov	C7	Exocytic and Endocytic Pathways	M. Roth		
18-Nov	C8	Protein Trafficking	M. Roth	CII	Cells Literature Critique
19-Nov	C9	Membrane Fusion	J. Rizo-Rey		
20-Nov		<i>GPS groups meet</i>			
23-Nov	C10	Nuclear Trafficking	B. Fontoura		
24-Nov	C11	Energy Conversion and Oxygen Sensing	R. Bruick		
25-Nov	C12	Actin Cytoskeleton	H. Yin	CIII	Cells Literature Critique
26-Nov		Thanksgiving			
27-Nov		Holiday			
30-Nov	C13	Microtubules, Centrosomes, and Motors	L. Rice		<i>GPS 1 presentations</i>
1-Dec	C14	Overview of Signal Transduction: Receptors and	E. Ross		<i>GPS 2 presentations</i>
2-Dec	C15	Initiators and Amplifiers: Protein Kinases	M. Cobb	CIV	Cells Literature Critique
3-Dec	C16	Signaling Output: Apoptosis	X. Wang		<i>GPS 3 presentations</i>
4-Dec		<i>GPS 4 presentations</i>			
7-Dec		<i>GPS 5 presentations</i>			
8-Dec	C17	Signaling Output: Cell Cycle Regulation I	H. Yu		
9-Dec	C18	Signaling Output: Cell Cycle Regulation II	H. Yu	CV	Cells Literature Critique
10-Dec	C19	Principles of signaling networks	G. Suel		
11-Dec		Free for exam preparation			<i>End Rotation 2</i>
14-Dec		Exam 4			
		Winter break			
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