

Molecules, Genes and Cells & MPS I

2008/2009

WEEK 1 *Protein Structure & Function*

Time	Monday 9/1/08	Tuesday 9/2/08	Wednesday 9/3/08	Thursday 9/4/08	Friday 9/5/08
	<b>Labor Day</b>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	<b>L A B O R  D A Y  H O L I D A Y</b>	<b>Lecture - A-250</b> Intro to MGC  (Fuortes)	Journal Club 1		<b>PBL 1</b>  "The First Day"
8:30		<b>Lecture - A-250</b>  Molecular & Cellular Basis of Disease	J-Q, W1, W2		J-Q, W1, W2
9:00		(Maxfield)	(Facilitators)		<b>Lecture - A-250</b> Post PBL Discussion (Leopold)
9:30		<b>BREAK</b>	<b>BREAK</b>		<b>BREAK</b>
10:00		<b>Lecture - A-250</b>  Amino Acids & Protein Structure	<b>Lecture - Weill</b>  Protein Folding & Recognition		<b>Lecture - A-250</b>  Chaperones & Protein Folding
10:30		(Maxfield)	(Lam)		(Lam)
11:00		<b>Post-Lecture Conference</b>	<b>Post-Lecture Conference</b>		<b>BREAK</b>
		<b>BREAK</b>	<b>BREAK</b>		<b>This week/Next Week</b>
11:30		<b>Lecture - A-250</b>  Intro to PBL	<b>Lecture - Weill</b>  Protein Misfolding in Disease		<b>Lecture - A-250</b>  Enzymes
12:00		(Leopold & Marzuk)	(Eliezer)		(Maxfield)
12:30		<b>Post-Lecture Conference</b>	<b>Post-Lecture Conference</b>		<b>Post-Lecture Conference</b>
1:00					<b>REVIEW</b> Acids and Bases <b>A-250</b> (Wellner)

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WEEK 2 *Introduction to Lipids*

Time	Monday 9/8/08	Tuesday 9/9/08	Wednesday 9/10/08	Thursday 9/11/08	Friday 9/12/08	
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>	
8:00	PBL	Journal Club	PBL		PBL	
8:30		J-Q, W1, W2				
9:00	J-Q, W1, W2	Lecture - A-250 Introduction to Lipids	J-Q, W1, W2			J-Q, W1, W2
9:30	BREAK	(Menon)	BREAK			BREAK
	Lecture - Weill	Lecture - A-250 Phospholipids & Complex Lipids	Lecture - Weill			Lecture - A-250 The Eukaryotic Cell
10:00	Regulation of Enzymes	(Menon)	The Plasma Membrane			(Pardee)
10:30	(Maxfield)		(Andersen)			
	Post-Lecture Conference		Post-Lecture Conference			Post-Lecture Conference
11:00	BREAK	BREAK	BREAK			This week/Next Week
	Small Group Conference	Small Group Conference	Lab Introduction (Weill)			BREAK
11:30	Amino Acids and Acid/ Base Properties of Macromolecules	Protein folding Methods for the Study of Proteins & Enzymes	LAB Protein Structure & Function Motifs			Small Group Conference Membrane Lipid, Structure, Function, Dynamics
12:00						
12:30	J-Q, R,S	J-Q, R,S	J-Q, R,S			J-Q, R,S

1:00

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**WEEK 3** *Gene Structure & Function*

Time	Monday	Tuesday	Wednesday	Thursday	Friday	
	9/15/08	9/16/08	9/17/08	9/18/08	9/19/08	
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>	
8:00	PBL		PBL		PBL	
8:30		Journal Club				
		J-Q, W1, W2				
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2			J-Q, W1, W2
		<b>Lecture - A-250</b>				
9:30	<b>BREAK</b>	Nucleus & Chromatin Structure	<b>BREAK</b>			<b>BREAK</b>
	<b>QUIZ #1</b>	(Coonrod)	<b>Lecture - Weill</b>			<b>Lecture - A-250</b>
10:00	Proteins, Enzymes & Lipids (Weill)	<b>Post-Lecture Conference</b>	Epithelium			Methods in Molecular Biology
		<b>Lecture - A-250</b>	(Finnemann)			(Hackett)
10:30	<b>BREAK</b>	DNA Replication & Telomeres	<b>Post-Lecture Conference</b>			<b>Post-Lecture Conference</b>
11:00	Histology Lab introduction (Weill)	(Holloman)	<b>Histology Lab</b>			<b>BREAK</b>
	Histology Lab					<b>This week/Next Week</b>
11:30	Cells & Organelles	<b>BREAK</b>	Epithelia			<b>Lecture - A-250</b>
		<b>Lecture - A-250</b>				Transcription
12:00		DNA Damage & Repair			(Schwer)	
12:30	J-Q, R,S	(Holloman)	J-Q, R,S		<b>Post-Lecture Conference</b>	
		<b>Post-Lecture Conference</b>				
1:00		<b>Post-Quiz Review (1:00-1:30) A-250</b>				

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WEEK 4 *Gene Processing*

Time	Monday 9/22/08	Tuesday 9/23/08	Wednesday 9/24/08	Thursday 9/25/08	Friday 9/26/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL		PBL		PBL
8:30		Journal Club			
		J-Q, W1, W2			
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		J-Q, W1, W2
		<b>Lecture - A-250</b>			
9:30	<b>BREAK</b>	Post-translational Protein Processing 1	<b>BREAK</b>		<b>BREAK</b>
	<b>Lecture - Weill</b>	<b>(Lam)</b>	<b>Lecture - Weill</b>		<b>Lecture - A-250</b>
10:00	RNA Processing		From TGN to the Plasma Membrane		Endocytosis
		<b>Post-Lecture Conference</b>			
10:30	<b>(Schwer)</b>	<b>Lecture - A-250</b>	<b>(McGraw)</b>		<b>(McGraw)</b>
	<b>Post-Lecture Conference</b>	Post-translational Protein Processing 2	<b>Post-Lecture Conference</b>		<b>Post-Lecture Conference</b>
11:00	<b>BREAK</b>	<b>(Maxfield)</b>	<b>BREAK</b>		<b>BREAK</b>
	<b>Lecture - Weill</b>		<b>Histology Lab</b>		<b>This week/Next Week</b>
11:30	Translation	<b>Post-Lecture Conference</b>			<b>Lecture - A-250</b>
		<b>BREAK</b>	Cell Polarity & Secretion		Mitochondria
12:00	<b>(Leopold)</b>	<b>Lecture - A-250</b>			
	<b>Post-Lecture Conference</b>	Membrane Traffic Through the Golgi Apparatus	J-Q, R,S		<b>(Manfredi)</b>
12:30		<b>(Maxfield)</b>			<b>Post-Lecture Conference</b>
1:00					

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WEEK 5 *Cell Division & Secretion*

Time	Monday 9/29/08	Tuesday 9/30/08	Wednesday 10/1/08	Thursday 10/2/08	Friday 10/3/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	<b>PBL</b>		<b>PBL</b>		<b>PBL</b>
8:30		Journal Club			
		J-Q, W1, W2			
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		J-Q, W1, W2
		<b>Lecture - A-250</b>			
9:30	<b>QUIZ #2</b> Molecular Biology Weill	Cell Cycle <b>(Brown)</b>	<b>BREAK</b>		<b>BREAK</b>
			<b>Lecture - Weill</b>		<b>Lecture - A-250</b>
10:00	<b>BREAK</b>	<b>Post-Lecture Conference</b>	Cellular Elements of Blood <b>(Fuortes)</b>		Stem Cells <b>(Rafii)</b>
10:30	<b>Lecture - Weill</b>  Cytoskeleton & Cell Architecture	<b>Lecture - A-250</b>  Mechanics of mitosis	<b>Post-Lecture Conference</b>		<b>Post-Lecture Conference</b>
11:00	<b>(Pardee)</b>	<b>(Kreitzer)</b>	<b>BREAK</b>		<b>BREAK</b>
			<b>Histology Lab</b>		<b>This week/Next Week</b>
11:30	<b>Post-Lecture Conference</b>	<b>Histology Lab</b>	Blood		<b>Lecture - A-250</b>
	<b>BREAK</b>				
12:00	<b>Lecture - Weill</b>  Intracellular Motility & Microtubules	Mitosis  J-Q, R,S	J-Q, R,S		Apoptosis & Necrosis  <b>(Wu)</b>
12:30	<b>(Kreitzer)</b>				<b>Post-Lecture Conference</b>
1:00		<b>Post-Quiz Review</b> <b>(1:00-1:30)</b> <b>A-250</b>			

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WEEK 6 *Blood/Cancer*

Time	Monday 10/6/08	Tuesday 10/7/08	Wednesday 10/8/08	Thursday 10/9/08	Friday 10/10/08	
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>	
8:00	PBL		PBL		PBL	
8:30		Journal Club				
		J-Q, W1, W2				
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2			J-Q, W1, W2
		<b>Lecture - A-250</b>				
9:30	<b>BREAK</b>	Inflammation	<b>BREAK</b>			<b>Lecture - A-250</b>
	<b>Lecture - Weill</b>		<b>Lecture - Weill</b>			Introduction to Adaptive Immunity
10:00	Blood Cell Lineages	<b>(Fuortes)</b>	Cell Motility			
		<b>BREAK</b>				
10:30		<b>Lecture - A-250</b>	<b>(Fischman)</b>			<b>Post-Lecture Conference</b>
	<b>(Fuortes)</b>	Phagocytosis	<b>Post-Lecture Conference</b>			<b>This week/Next Week</b>
11:00	<b>BREAK</b>	<b>(Fuortes)</b>	<b>BREAK</b>			<b>BREAK</b>
	<b>Histology Lab</b>		<b>Lecture - Weill</b>			<b>Histology Lab</b>
11:30	Hematopoiesis	<b>Post-Lecture Conference</b>				Lymphoid tissues
		<b>Lecture - A-250</b>	Metastasis			
12:00		Cancer				
	J-Q, R,S	<b>(Brown)</b>	<b>(Brown)</b>			
12:30			<b>Post-Lecture Conference</b>		J-Q, R,S	
		<b>Post-Lecture Conference</b>				

1:00

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WEEK 7 *Plasma Membrane Structure & Function*

Time	Monday 10/13/08	Tuesday 10/14/08	Wednesday 10/15/08	Thursday 10/16/08	Friday 10/17/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL	Journal Club	PBL		PBL
8:30		J-Q, W1, W2			J-Q, W1, W2
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		<b>PBL Assessment</b>
		<b>Lecture A-250</b>			J-Q, W1, W2
9:30	<b>BREAK</b>	Membrane Potentials	<b>BREAK</b>		
	<b>QUIZ #3</b> Cell Biology Weill	<b>(Andersen)</b>	<b>Lecture - Weill</b>		
10:00		<b>Post-Lecture Conference</b>	Membrane Proteins		<b>Lecture - A-250</b>
10:30		<b>BREAK</b>	<b>(Andersen)</b>		Active Transport
	<b>BREAK</b>	<b>Small Group Conference</b>	<b>Post-Lecture Conference</b>		<b>(Andersen)</b>
11:00	<b>Lecture- Weill</b> Membranes, Compartments, Water	Cell and body volume regulation	<b>BREAK</b>		<b>Post-Lecture Conference</b>
11:30	<b>(Andersen)</b>		<b>Small Group Conference</b>		<b>BREAK</b>
12:00	<b>Small Group Conference</b> Osmotic water flow		Diffusion membrane potentials		Integration: Membrane Transport Processes
12:30	J-Q, R,S	J-Q, R,S	J-Q, R,S		<b>(Andersen)</b>
1:00		<b>Post-Quiz Review</b> <b>(1:00-1:30)</b> <b>A-250</b>			<b>Post-Lecture Conference</b>

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WEEK 8 *Neuronal Signaling & Information Processing*

Time	Monday 10/20/08	Tuesday 10/21/08	Wednesday 10/22/08	Thursday 10/23/08	Friday 10/24/08	
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>	
8:00	PBL		PBL		PBL	
8:30		Journal Club  J-Q, W1, W2				
9:00	J-Q, W1, W2	<b>BREAK</b> <b>Lecture - A-250</b>	J-Q, W1, W2			<b>BREAK</b> <b>Lecture - A-250</b>
9:30	<b>BREAK</b> <b>Lecture - Weill</b>	Channel events Underlie Neuronal Activity  <b>(Gardner)</b>	<b>BREAK</b> <b>Lecture - Weill</b>			Brain Synapses Learning & Memory  <b>(Gardner)</b>
10:00	Neurophysiology of Action Potentials  <b>(Gardner)</b>	<b>Post-Lecture Conference and Lab orientation</b>	Chemical Synaptic Transmission  <b>(Gardner)</b>			<b>Post-Lecture Conference</b>
10:30	<b>Post-Lecture Conference</b>		<b>Post-Lecture Conference</b>			<b>Small Group Conference</b>
11:00	<b>BREAK</b> <b>Small Group Conference</b>	<b>Laboratory</b>  Computer Lab:  Neuronal Signalling and Structure and Function of Channels	<b>BREAK</b> <b>Small Group Conference</b>			Gating, Selectivity, & Integration  J-Q, Ws
11:30						
12:00	Conductances, currents and resting potentials		Nerve impulse propagation			<b>Lecture - A-250</b>  Overview of Cell Signalling  <b>(Levin)</b>
12:30	J-Q, R,S	J-Q, R,S	J-Q, R,S			

1:00

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WEEK 9 *Cell Receptors & Signal Cascades*

Time	Monday 10/27/08	Tuesday 10/28/08	Wednesday 10/29/08	Thursday 10/30/08	Friday 10/31/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL		PBL		PBL
8:30		Journal Club			J-Q, W1, W2
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		<b>BREAK</b>
9:30	<b>BREAK</b>	Lecture - A-250	<b>BREAK</b>		Lecture - Weill
10:00	Lecture - Weill	Signal Transduction Pathways III - Enzyme-Linked Receptors	Lecture - Weill		Oncogenes
10:30	Signal Transduction Pathways I -Intracellular Receptors (Gudas)	(Levin)	Signal-Response (Szeto)		(Gudas)
11:00	<b>BREAK</b>	Post-Lecture Conference	Post-Lecture Conference		<b>BREAK</b>
11:30	Lecture - Weill	<b>BREAK</b>	Post-Lecture Conference		This week/Next Week
12:00	Signal Transduction Pathways II -GPCR (Levin)	Lecture - A-250	Post-Lecture Conference		Lecture - Weill
12:30	Post-Lecture Conference	Signal Transduction Cross-Talk (Levin)	Post-Lecture Conference		Receptor signalling in health and disease (Levin)
1:00		Post-Lecture Conference	Pharmacogenetics (Reidenberg)		Lecture - A-250
			Post-Lecture Conference		Problem set Review (Levin)

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WEEK 10 *Metabolic Biochemistry - Carbohydrates*

Time	Monday 11/3/08	Tuesday 11/4/08	Wednesday 11/5/08	Thursday 11/6/08	Friday 11/7/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL	Journal Club	PBL		PBL
	PBL		PBL		PBL
8:30		J-Q, W1, W2			
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		J-Q, W1, W2
		<b>Lecture - A-250</b>			
9:30	<b>BREAK</b>	Glucose Homeostasis I	<b>BREAK</b>		<b>BREAK</b>
		(McGraw)	<b>Lecture - Weill</b>		<b>Lecture - A-250</b>
10:00	<b>Quiz #4</b> Weill Plasma Membrane Neuronal and Receptor Signalling	<b>Post-Lecture Conference</b>	Glucose III. Oxidative Pathways, Pentose Pathway, Citric Acid Cycle & Oxidative Phosphorylation (McGraw)		Diabetes
10:30		<b>BREAK</b>			(TBA)
	<b>BREAK</b>	<b>Lecture - A-250</b>	<b>Post-Lecture Conference</b>		<b>BREAK</b>
11:00	<b>Lecture - Weill</b> Metabolism Overview	Glucose Homeostasis II	<b>Small Group Conference</b>	<b>This week/Next Week</b>	
	(McGraw)	(McGraw)		<b>Lecture - A-250</b>	
11:30		<b>Post-Lecture Conference</b>	Mechanisms of Glucose Homeostasis Carbohydrate Metabolism & Oxidative Phosphorylation	TBA	
12:00	<b>Small Group Conference</b>	<b>Post-Quiz Review</b>		(TBA)	
	Vitamins, Coenzymes, Bioenergetics	<b>A-250</b>	J-Q, R,S		
12:30					
	J-Q, R,S				

1:00

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WEEK 11 *Metabolic Biochemistry - Lipids/Amino Acids*

Time	Monday 11/10/08	Tuesday 11/11/08	Wednesday 11/12/08	Thursday 11/13/08	Friday 11/14/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL  PBL	Lecture - A-250  Lipid Metabolism III  (Maxfield)	PBL  PBL		PBL  PBL
8:30					
9:00	J-Q, W1, W2	Post-Lecture Conference  BREAK	J-Q, W1, W2		J-Q, W1, W2
9:30	BREAK	Lecture - A-250	BREAK		BREAK
	Lecture - Weill		Lecture - Weill		
10:00	Lipid Metabolism I  (Menon)	Amino Acids I Fate of Nitrogen  (Menon)	Amino Acids II Carbon Backbone, Molecules Derived from Amino Acids 1-carbon metabolism (Menon)		QUIZ #5 Carbohydrates, Lipids Vitamins A-250
10:30	Post-Lecture Conference	Post-Lecture Conference	Post-Lecture Conference		BREAK
11:00	BREAK	BREAK	BREAK		This week/Next Week
	Lecture - Weill	Small Group Conference	Lecture - Weill		Small Group Conference
11:30	Lipid Metabolism II		Biosynthesis & Degradation of Nucleosides		
12:00	(Menon)	Lipid Metabolism	(Wu)		Amino Acid Metabolism
			Post-Lecture Conference		
12:30					

1:00

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WEEK 12 *Metabolic Biochemistry - Cholesterol/Energy Metabolism/Heme*

Time	Monday 11/17/08	Tuesday 11/18/08	Wednesday 11/19/08	Thursday 11/20/08	Friday 11/21/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL	Journal Club	PBL		PBL
	PBL		PBL		PBL
8:30		J-Q, W1, W2			
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		J-Q, W1, W2
		<b>Lecture - A-250</b>			
9:30	<b>BREAK</b>	NAD and Energy Metabolism	<b>BREAK</b>		<b>BREAK</b>
	<b>Lecture-Weill</b>		<b>Lecture-Weill</b>		<b>Lecture - Weill</b>
10:00	Hypercholesterolemia (Dr. Gotto)	(A. Sauve)	Regulation & Integration of Fuel Metabolism		Heme Metabolism, Trace Metals & Active Oxygen
		<b>Post-Lecture Conference</b>	(McGraw)		(Gross)
10:30		<b>BREAK</b>			
	<b>Post-Lecture Conference</b>		<b>Post-Lecture Conference</b>	<b>Post-Lecture Conference</b>	
11:00	Patient Presentation Weill	<b>Small Group Conference</b>	<b>BREAK</b>	<b>This week/Next Week</b>	
		Cholesterol ester transfer protein	<b>Lecture-Weill</b>	<b>Small Group Conference</b>	
11:30	Hypercholesterolemia (Drs. Gotto & Hudgins)		Obesity & Regulation of Body Mass	Heme Metabolism, Trace Metals & Active Oxygen	
			Part II		
12:00	<b>Lecture - Weill</b>		(Aronne)		
	Obesity & Regulation of Body Mass	J-Q, R, S			
12:30	(Aronne)				
1:00	<b>Post-Quiz Review Weill</b>				

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WEEK 13 *Muscle*

Time	Monday 11/24/08	Tuesday 11/25/08	Wednesday 11/26/08	Thursday 11/27/08	Wu 11/28/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>Thanksgiving</b>	<b>Thanksgiving</b>
8:00	<b>PBL</b>	<b>Quiz #6</b> Amino Acid and 1-Carbon Metabolism; Heme; Oxidative Phosphorylation; Nucleosides; Trace Metals, Active Oxygen	<b>PBL</b>		
8:30		<b>Weill</b>			
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		
9:30	<b>BREAK</b>	<b>Small Group Conference</b>	<b>BREAK</b>		
	<b>Lecture - Weill</b>	Muscle Excitation & Function	<b>Lecture - Weill</b>		
10:00	Muscle Structure /Function		Smooth Muscle Structure/Function		
10:30	<b>(Fischman)</b>	J-Q, R,S	<b>(Catanzaro)</b>		
	<b>Post-Lecture Conference</b>		<b>Post-Lecture Conference</b>		
11:00	<b>BREAK</b>	<b>BREAK</b>	<b>Post-Quiz Review A-250</b>		
	<b>Lecture - Weill</b>	<b>Lecture - A-250</b>	<b>This week/Next Week</b>		
11:30	Electrophysiology of Muscle	Integration: Biophysics of Excitable Tissue	<b>Histology Lab</b>		
12:00	<b>(Gardner)</b>	<b>(Gardner)</b>	Muscle		
	<b>Post-Lecture Conference</b>	<b>Post-Lecture Conference</b>			
12:30			J-Q, R,S		

1:00

**Molecules, Genes and Cells & MPS I**

**2008/2009**

**WEEK 14** *Tissues Structure and Functions*

Time	Monday 12/1/08	Tuesday 12/2/08	Wednesday 12/3/08	Thursday 12/4/08	Friday 12/5/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	<b>PBL</b>	<b>Lecture - Weill</b>	<b>PBL</b>		<b>Mock TJE</b>
8:30		Cartilage  (Fuortes)			
9:00	J-Q, R, S	<b>Post-Lecture Conference</b>	J-Q, R, S		J-Q, R, S
		<b>BREAK</b>			
9:30	<b>BREAK</b>	<b>Lecture - A-250</b>	<b>BREAK</b>		<b>BREAK</b>
	<b>Lecture - Weill</b>	Bone Morphogenesis (Fuortes)	<b>Lecture - A-250</b>		
10:00	Extracellular Matrix Structure & Function		Bone Structure and Function  (Fuortes)		<b>Histology practical Exam</b>
10:30	(Brown)	<b>Post-Lecture Conference</b>			
	<b>Post-Lecture Conference</b>	<b>BREAK</b>	<b>Post-Lecture Conference</b>		A-250 J-Q, W1, W2
11:00	<b>Histology Lab</b>	<b>Histology Lab</b>	<b>Histology Lab</b>		
11:30	Connective Tissue	Cartilage  J-Q, R,S	Bone  J-Q, R,S		
12:00					<b>This week/Next Week</b>
12:30	J-Q, R,S				
1:00					

Molecules, Genes and Cells & MPS I

2008/2009

WEEK 15 *Medical Genetics*

Time	Monday 12/8/08	Tuesday 12/9/08	Wednesday 12/10/08	Thursday 12/11/08	Friday 12/12/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<b>MPS 1</b>	<i>Molecules, Genes &amp; Cells</i>
8:00	PBL	Journal Club	PBL		PBL
8:30		J-Q, W1, W2			PBL Assessment
9:00	J-Q, W1, W2	<b>BREAK</b>	J-Q, W1, W2		J-Q, W1, W2
		<b>Lecture - A-250</b>			
9:30	<b>BREAK</b>	The Human Genome	<b>BREAK</b>		<b>Lecture - A-250</b>
	<b>Lecture - Weill</b>		<b>Lecture - Weill</b>		Cytogenetics
10:00	Basic Medical Genetics	<b>(Crystal)</b>	Genotype/Phenotype Correlation		<b>(Davis)</b>
		<b>Discussion</b>			
10:30	<b>(Davis)</b>	<b>BREAK</b>	<b>(Crystal)</b>		<b>Post-Lecture Conference</b>
	<b>BREAK</b>	<b>Lecture - A-250</b>	<b>BREAK</b>		<b>BREAK</b>
11:00	<b>Lecture - Weill</b>	Genomics	<b>Lecture - Weill</b>		<b>Problem Session</b>
		<b>(O'Connor)</b>			Risk Assessment
11:30	Population Genetics	<b>Discussion</b>	TBA		
	<b>(Davis)</b>	<b>BREAK</b>	<b>(Davis)</b>		J-Q, R, S
12:00	<b>Problem Session</b>	<b>Lecture - A-250</b>		<b>Lecture - A-250</b>	
	Population Genetics	Meiosis and Recombination	<b>Histology Lab</b>	Genetics of Common Disorders and Neoplasias	
12:30	J-Q, W1, W2	<b>(Leopold)</b>	Meiosis	<b>(Davis)</b>	
		<b>Discussion</b>	J-Q, R, S		

1:00

Molecules, Genes and Cells & MPS I

2008/2009

WEEK 16 *Medical Genetics*

Time	Monday 12/15/08	Tuesday 12/16/08	Wednesday 12/17/08	Thursday 12/18/08	Friday 12/19/08
	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Molecules, Genes &amp; Cells</i>	<i>Triple Jump</i>	<i>Triple Jump</i>
8:00	Lecture - Weill	Journal Club  J-Q, W1, W2	Quiz #7	TRIPLE JUMP 10:00 AM-12 noon	TRIPLE JUMP ORALS (8 AM - 5 PM)
8:30	Linkage & Association  (Leopold) Discussion		Medical Genetics Weill		
9:00	BREAK		BREAK		
9:30	Lecture - Weill  Epigenetics and Imprinting  (Leopold)	Problem Session  Linkage Analysis  (Leopold)	Post Quiz Review Weill  Course Direction Concluding Remarks Weill		
10:00	Post-Lecture Conference	BREAK	COURSE EVALUATION		
10:30	BREAK	Lecture - A-250			
11:00	Lecture - Weill  Chromosomal Syndromes  (Davis)	Therapies for Genetic Diseases I  (O'Connor)			
11:30	BREAK	Post-Lecture Conference	J-Q, W1, W2  Archbold Commons		
12:00	Patient Presentation A-250	Lecture - A-250			
12:30	(Davis)	Therapies for Genetic Diseases II  (Crystal)			

1:00