

4.5 hrs

4.0 hrs

2.5 hrs

6.0 hrs

3.0 hrs

	Monday 10/3	Tuesday 10/4	Wednesday 10/5 Y. Kippur	Thursday 10/6	Friday 10/7	
9:00 a.m.	Intro to Unit 2		<b>PTSDL</b>  Protected Time For Student Directed Learning  Half 1 and 2			
9:30 a.m.	M. Wagner 6			PBL: Ms. Vera Pavlova MK session HALF 1 MK faculty 6 <sup>th</sup> flr. 39	Path lab: Cellular Response to Injury S. Gottesman and staff HALF 2 6 <sup>th</sup> flr. 100	
10:00 a.m.	PBL: Ms. Vera Pavlova CS Session Adherence	Intro to Path lab J. Libien 77				Oxidative Phosphorylation N. Penington 42
10:30 a.m.		Carbohydrate Metab. 1: Glycolysis and Gluconeogenesis N. Penington 143				
11:00 a.m.						
11:30 a.m.	HALF 1 6 <sup>th</sup> flr. CS Faculty					Fat Absorption and Transport X.C. Jiang 46
12:00 p.m.	● 38				Mitochondria & the TCA Cycle N. Penington 40	
12:30 p.m.	Intro to Subunit 1 N. Penington 70					
1:00 p.m.	Intro to Clinical Skills in Unit 2 R. Ovitsh ● 7	Intro to Concepts in Nutrition				<b>PTSDL</b>  Protected Time For Student Directed Learning  Half 1 and 2
1:30 p.m.	Introduction to CITI Prog R. Kollmar 5	M. Markell 51				
2:00 p.m.		Carbohydrate Metab. 2: Glycogen Metab., PPP		Path lab: Cellular Response to Injury S. Gottesman and staff HALF 1 6 <sup>th</sup> flr. 100		
2:30 p.m.		N. Penington 228		PBL: Ms. Vera Pavlova MK session HALF 2 MK faculty 6 <sup>th</sup> flr. 39		
3:00 p.m.						
3:30 p.m.						
4:00 p.m.	HALF 2 6 <sup>th</sup> flr. CS Faculty					
4:30 p.m.	● 38					

**Asynchronous activities**

[22] Overview of Cell Organelles and their Function PPT  
[098]: Ethics of Research (CITI Program)

	Monday 10/10	Tuesday 10/11	Wednesday 10/12	Thursday 10/13	Friday 10/14	
9:00 a.m.	Columbus Day and Indigenous People's Day				DNA: Struct & Func of the Genome	
9:30 a.m.		Fatty Acid Synthesis, Activation, & Oxidation		PBL: Vera MK sess	M. Feuerman 8	
10:00 a.m.	N O C L A S S E S	X.C. Jiang 47	Nitrogen Metabolism: Urea Cyc. & its Disorders E. Quadros 116	POPS: Dis. of A.A. and Nitrogen Metab. Penington/Quadros HALF 1	RNA: Transcription, Splicing and Translation	
10:30 a.m.		POPS: Glycolysis and Glycogenolysis		6th flr. 50	G. Gick	
11:00 a.m.		Penington & Lahage	Integrat. of Metab & Vitamins: pathways working together.	6th flr. 58	9	
11:30 a.m.		6th fl. HALF 1 and 2 28	Markell/Penington			
12:00 p.m.			Asynchronous 57			
12:30 p.m.				Integrative Physiology of Energy Balance in Humans	Proteins: Basics and Protein Folding Diseases	
1:00 p.m.			Metabolism of Amino Acids	E. Quadros	H. Lebovitz 49	W. Chirico 3
1:30 p.m.			E. Quadros 53	226		
2:00 p.m.			CS lab #3: Soc. Determ'ts of Health (in Diabetes)	E. Quadros ●	POPS: Dis. of A.A. and Nitrogen Metab. Penington/Quadros HALF 1	PTSDL Protected Time For Student Directed Learning
2:30 p.m.			E. Quadros ●	E. Quadros ●	PBL: Vera MK sess	
3:00 p.m.		CS lab HALF 2 6th flr. CS Faculty 106	CS lab HALF 1 6th flr. CS Faculty 106	MK faculty HALF 2		
3:30 p.m.		HALF 1 CS Faculty ●	E. Quadros ●	6th flr. 50		
4:00 p.m.		CS lab HALF 2 6th flr. ●	CS lab HALF 1 6th flr. ●			
4:30 p.m.		126	106		Half 1 and 2	

Asynchronous activities

Biotstats [129] Qualitative & Quantitative Descriptive Study Designs ●  
[133a]: MM5 --- In and Out of Network Care ●

	3.0 hrs	5.0 hrs	3.0 hrs	3.0 hrs	3.5 hrs
	Monday 10/17	Tuesday 10/18	Wednesday 10/19	Thursday 10/20	Friday 10/21
9:00 a.m.	Cytogenetics				PTSDL Protected Time For Student Directed Learning
9:30 a.m.	M. Feuerman 139			POPS: Mendelian & Non-Mend Genetic Disorders Feuerman/Wagner HALF 1 6th fl. 32	
10:00 a.m.	Small Grp: Patient Perspect.	Reg. of Gene Expression	Non-Mendelian Inheritance		Embryologic Basis of Congenital Dis.: Musc./Skel System Eisner / Lahage 109
10:30 a.m.	CS faculty HALF 1 6th fl. ● 45	G. Gick 10	M. Feuerman 102	Half 2	
11:00 a.m.		Mendelian Inherit., Pop. Genetics, and Linkage Analysis	Pharmacogenomics		
11:30 a.m.		M. Feuerman 11	P. Bergold 41		
12:00 p.m.	One-on One Standardized Patients				Cell Membranes: Struct., Function and Disorders M. Wagner 37
12:30 p.m.	56 students				
1:00 p.m.	6th fl. ●		Signal Transduction	Vesicular Trafficking	PTSDL Protected Time For Student Directed Learning Half 1 and 2
1:30 p.m.		Protein Trafficking	G. Gick 21	W. Chirico 20	
2:00 p.m.		W. Chirico 19		PTSDL	
2:30 p.m.	Small Grp: Patient Perspect.	Embryologic Basis of Congenital Dis.: Early Development	Protected Time For Student Directed Learning	Protected Time For Student Directed Learning	
3:00 p.m.		Eisner / Lahage 108		POPS: Mendelian & Non-Mend Genetic Disorders Feuerman/Wagner HALF 2 6th fl. 32	
3:30 p.m.	CS faculty HALF 2 6th fl. ● 45				
4:00 p.m.			Half 1 and 2	Half 1	
4:30 p.m.					

	4.5 hrs	5.5 hrs	5.5 hrs	6.5 hrs	3.0 hrs
	Monday 10/24	Tuesday 10/25	Wednesday 10/26	Thursday 10/27	Friday 10/28
9:00 a.m.	Intro. to Neoplasia Subunit S. Blain 93				
9:30 a.m.	Intro to Neoplasia lab K. Loukeris 76			PBL: Mr Palter	Hallmark 5: Sustained Angiogenesis
10:00 a.m.	PBL: Mr. Palter CS session	Hallmarks of Cancer S. Blain 61	Hallmark 3: Evading Apoptosis P. Bergold 63	MK session	M. Wagner 78
10:30 a.m.	PTSDL Protected Time For Student Directed Learning			MK faculty	
11:00 a.m.	CS faculty			HALF 1 6 <sup>th</sup> fl. 64	
11:30 a.m.	HALF 1 6 <sup>th</sup> fl. 59			HALF 2 6 <sup>th</sup> fl. 75	
12:00 p.m.	Half 2				Hallmark 6: Tissue Invasion and Metastasis
12:30 p.m.		Hallmarks 1 and 2: Prolif. of Cancer Cells independent of Growth Control Signals	Hallmark 4: Immortality, Altered Metab. & Genetic Instability of Cancer Cells	Linking Environmental Causes of Cancer to the Hallmarks S. Blain 74	M. Wagner 79
1:00 p.m.	Introduction to Neoplasia				PTSDL
1:30 p.m.	A. Leaf 91	S. Blain 60	S. Blain 90		
2:00 p.m.	PTSDL	Histo Lab: Skin	PTSDL	Histo Lab: Skin	Protected Time For Student Directed Learning  Half 1 and 2
2:30 p.m.	Protected Time For Student Directed Learning	XC Jiang and staff	Protected Time For Student Directed Learning	Path Lab: Principles of Neoplasia S. Gottesman and staff	
3:00 p.m.		HALF 1 6 <sup>th</sup> fl.	Protected Time For Student Directed Learning	PBL: Mr Palter MK session	
3:30 p.m.		104	Protected Time For Student Directed Learning	MK Faculty	
4:00 p.m.	Half 1		Half 1	HALF 2 6 <sup>th</sup> fl.	
4:30 p.m.				HALF 1 6 <sup>th</sup> fl. 75	
					64

	5.0 hrs	4.0 hrs	5.0 hrs	5.5 hrs	2.5 hrs			
	Monday 10/31	Tuesday 11/1	Wednesday 11/2	Thursday 11/3	Friday 11/4			
9:00 a.m.								
9:30 a.m.								
10:00 a.m.	Small Group: Prevention and Screening CS faculty HALF 1 6 <sup>th</sup> flr 62	POPS: Mech. of Carcinogenesis HALF 2 M. Wagner / S. Blain 6 <sup>th</sup> flr 118	Bone and Cartilage tumors Dr. V. Vigorita 120	POPS: Treatment of Cancer M. Wagner / S. Blain 6 <sup>th</sup> flr. HALF 2 144	PSDLT Protected Time For Student Directed Learning Half 1	PBL: Mr. Palter MK sess MK faculty HALF 1 6 <sup>th</sup> flr. 140	Path Lab: Neoplasms of Skin S. Gottesman and staff HALF 2 6 <sup>th</sup> flr. 101	Hemoglobin Y. Zhang 18
10:30 a.m.			Treatment of Cancer M. Wagner 89					
11:00 a.m.					Reg. of Hematopoiesis J. Gonsky 15			
11:30 a.m.								
12:00 p.m.								
12:30 p.m.								
1:00 p.m.	Basic Concepts in Dermatology Diagnosis Dr. S Glick 83	Guest Lecture: Mr. Rick Guidotti Founder of Positive Exposure 304	PSDLT Protected Time For Student Directed Learning Half 1 and Half 2 Special: Cancer Patient Encounter Dr. C. Roman 81	Beyond the Hallmarks S. Blain 80	PSDLT Protected Time For Student Directed Learning Half 1 and Half 2			
1:30 p.m.								
2:00 p.m.	POPS: Mech of Carcinogenesis HALF 1 M. Wagner / S. Blain 6 <sup>th</sup> flr 118	Small Group: Prevention and Screening CS faculty HALF 2 6 <sup>th</sup> flr 62	PSDLT Protected Time For Student Directed Learning Half 2	CS lab #2: Dermatology S. Glick and staff HALF 1 6 <sup>th</sup> flr. 128	CS lab #2: Dermatology S. Glick and staff HALF 2 6 <sup>th</sup> flr. 128	POPS: Treatment of Cancer M. Wagner / S. Blain 6 <sup>th</sup> flr. HALF 1 144	Path Lab: Neoplasms of Skin S. Gottesman and staff HALF 1 6 <sup>th</sup> flr. 101	PBL: Mr. Palter MK sess MK faculty HALF 2 6 <sup>th</sup> flr. 140
2:30 p.m.								
3:00 p.m.								
3:30 p.m.								
4:00 p.m.								
4:30 p.m.								

	5.0 hrs	4.0 hrs	4.0 hrs	6.0 hrs	3.0 hrs
	Monday 11/7	Tuesday 11/8	Wednesday 11/9	Thursday 11/10	Friday 11/11
9:00 a.m.	Evaluation of Anemia	Megalobl. Anemia Vit B12 & Folate			
9:30 a.m.	C. Luhrs 105	C. Luhrs 103	POPS: Hemoglobin and O <sub>2</sub> Binding	PBL: Theodora and Charles MK session	POPS: Hemostasis
10:00 a.m.	PBL Sm. Group	Hemolytic Anemia	Y. Zhang	Heme Lab: Micro and Macrocytic Anemia C. Luhrs and staff	S. Kang
10:30 a.m.	T and C Couple seeking Genetic Counseling	C. Luhrs 72	HALF 1 and 2 6 <sup>th</sup> flr	MK faculty HALF 1 6 <sup>th</sup> flr	HALF 1 and 2 6 <sup>th</sup> flr
11:00 a.m.			12	2	141
11:30 a.m.	CS faculty HALF 1 6 <sup>th</sup> flr				
12:00 p.m.	● 1		Hemostasis and H' static Disorders I		Introduction to Human Development
12:30 p.m.		Hemoglobinopathies	S. Kang 23	Thrombosis and Thrombotic Disorders	H. Huberman ● 92
1:00 p.m.	Intro to Med. Res. Acti's R. Kollmar 135	Y. Zhang 110		S. Kang 24	PTSDL
1:30 p.m.	Fe Deficiency and Excess				Protected Time For Student Directed Learning
2:00 p.m.	C. Luhrs 107	PTSDL	Hemostasis and H' static Disorders II	Heme Lab: Micro and Macrocytic Anemia C. Luhrs and staff	Half 1 and 2
2:30 p.m.		Protected Time For Student Directed Learning	S. Kang 25	PBL: Theodora and Charles MK session	
3:00 p.m.	PBL Sm. Group		PTSDL	MK faculty	
3:30 p.m.	T and C Couple seeking Genetic Counseling		Protected Time For Student Directed Learning	HALF 1 6 <sup>th</sup> flr	
4:00 p.m.		Half 1 and 2		14	
4:30 p.m.	CS faculty HALF 2 6 <sup>th</sup> flr ● 1		Half 1 and 2	HALF 2 6 <sup>th</sup> flr 2	

Asynchronous activities Biostats [132]: Quantitative Study Designs – Analytic Studies ●  
[136] How to Write about Medical Research

	5.5 hrs		5.0 hrs		4.0 hrs		3.5 hrs		3.5 hrs	
	Monday 11/14		Tuesday 11/15		Wednesday 11/16		Thursday 11/17		Friday 11/18	
9:00 a.m.									Antibodies and Antigens	
9:30 a.m.			<b>POPS:</b>		Introduction to Subunit 5 <b>C. Roman</b> 237		<b>PBL:</b> Theodora & Charles MK sess. <b>MK faculty</b>		<b>PTSDL</b>  244	
10:00 a.m.	<b>Small Group:</b> Culture & Medicine <b>CS faculty</b>	<b>Heme Lab:</b> Hemolytic Anemia <b>C. Luhrs and staff</b>	Thrombosis		Introduction to the Immune System		Protected Time For Student Directed Learning		Intro. to Medical Ethics	
10:30 a.m.			<b>S. Kang</b>		<b>R. Coico</b> 238				<b>S. Landesman</b> 96	
11:00 a.m.	<b>HALF 1</b> 6 <sup>th</sup> flr.	<b>HALF 2</b> 6 <sup>th</sup> flr	6 <sup>th</sup> flr. 111		<b>PTSDL</b>		<b>HALF 1</b> 6 <sup>th</sup> flr. 4		●	
11:30 a.m.	● 55				Protected Time For Student Directed Learning		<b>Half 2</b>			
12:00 p.m.					HALF 1 and 2					
12:30 p.m.			Human Development: "Babies" movie and discussion		Components of the Immune system		Innate Immunity		MHC Restriction and Ag Presentation	
1:00 p.m.	Cultural Humility		<b>M. Hanono/ H. Huberman</b> 119		<b>R. Coico</b> 240		<b>R. Coico</b> 242		<b>R. Coico</b> 253	
1:30 p.m.	<b>T. Taylor</b> ●		●		●		●		●	
2:00 p.m.	115		CS Lab #1: Human Develop. (Infant) 1.5 hr.'s/student		CS Lab #1: Human Develop. (Infant) 1.5 hr.'s/student		<b>PTSDL</b>		<b>PTSDL</b>	
2:30 p.m.	<b>Heme Lab:</b> Hemolytic Anemia <b>C. Luhrs and staff</b>	<b>Small Group:</b> Culture & Medic. <b>CS faculty</b>	EBM 3 CS lab <b>HALF 2</b> 6 <sup>th</sup> flr. ●		EBM 3 CS lab <b>HALF 1</b> 6 <sup>th</sup> flr. ●		Protected Time For Student Directed Learning		Protected Time For Student Directed Learning	
3:00 p.m.			<b>CS faculty</b>		<b>CS Faculty</b> 113		<b>CS Faculty</b> 113		<b>PBL:</b> Theodora & Charles MK sess. <b>MK faculty</b>	
3:30 p.m.	<b>HALF 2</b> 6 <sup>th</sup> flr. ●		<b>M. Hanono and staff</b> <b>HALF 1</b>		<b>M. Hanono and staff</b> <b>HALF 2</b>		<b>HALF 2</b> 6 <sup>th</sup> flr. 4		Protected Time For Student Directed Learning	
4:00 p.m.	<b>HALF 1</b> 6 <sup>th</sup> flr 71 ●		● 122		● 122		Half 1		●	
4:30 p.m.			● 122		● 122				Directed Learning	

**Asynchronous activities** [130]: MM4 Costs of Genetic Testing ●

Note : this calendar is subject to change. Leo houses the official schedule.

6.5 hrs

3.0 hrs

2.0 hrs

	Monday 11/21	Tuesday 11/22	Wednesday 11/23	Thursday 11/24	Friday 11/25		
9:00 a.m.	Ig Genes, their Rearrangement, and B Cell Development <b>C. Roman</b> 246			T H A N K S G I V I N G	T H A N K S G I V I N G		
9:30 a.m.							
10:00 a.m.	Small. Grp: Ethical Found's of the Med. Prof. <b>CS faculty</b> HALF 1 6 <sup>th</sup> flr. ● 095	Histo Lab: Hematopoi esis and primary lymphoid organs <b>XC Jiang and staff</b> HALF 2 6 <sup>th</sup> flr. 155	T Cell Effector Functions <b>E. Hsu</b> 255			Human Leuko Ags; ABO & Rh bld. grps. <b>S. Kang</b> 173	
10:30 a.m.							
11:00 a.m.		B Cell Activation, End-stage Diff and Ab Responses <b>C. Roman</b> 151	Immune Regulation and Cytokines <b>E. Hsu</b> 250				
11:30 a.m.							
12:00 p.m.							
12:30 p.m.							
1:00 p.m.		Assessment Week Overview <b>Drs. Granat, Ovitsh, Wagner</b> 84	PTSDL  Protected Time For Student Directed Learning  Half 1 and 2				
1:30 p.m.	T Cell Development <b>E. Hsu</b> 248						
2:00 p.m.							
2:30 p.m.	Histo Lab: Hematopoi esis and primary lymphoid organs <b>XC Jiang and staff</b> HALF 1 6 <sup>th</sup> flr. 155	Small. Grp: Ethical Found's of the Med. Prof. <b>CS faculty</b> HALF 2 6 <sup>th</sup> flr. ● 095					
3:00 p.m.							
3:30 p.m.							
4:00 p.m.							
4:30 p.m.							



	5.0 hrs		4.5 hrs		2.5 hrs		6.0 hrs		1.5 hrs	
	Monday 11/28		Tuesday 11/29		Wednesday 11/30		Thursday 12/1		Friday 12/2	
9:00 a.m.					PTSDL					
9:30 a.m.										
10:00 a.m.	PBL: Ms. Jones/Mr Williams CS session CS faculty	Histo Lab: Secondary lymphoid organs	Human Development: Toddler M. Hanono ● 112		Protected Time For Student Directed Learning		PBL: Ms. Jones/Mr Williams  MK session MK faculty	Heme Lab: Leukemia Smears	Treatment of Hemato. Malignancies  E. Chiu 167	
10:30 a.m.		XC Jiang and staff	Myelodysplastic Disorders					C. Luhrs and staff HALF 2 6 <sup>th</sup> flr. 208		
11:00 a.m.	HALF 1 6 <sup>th</sup> flr	HALF 2 6 <sup>th</sup> flr 159	E. Neculiseanu 210				HALF 1 6 <sup>th</sup> flr 153			
11:30 a.m.	● 145									
12:00 p.m.	One-on-One Standardized Patients						Lymphoid Neoplasms 1			
12:30 p.m.	56 students		Myeloproliferative Disorders		Acute Myelogenous Leukemia		S. Gottesman 161		PTSDL  Protected Time For Student Directed Learning  Half 1 and 2	
1:00 p.m.			E. Neculiseanu 215		S. Gottesman 303					
1:30 p.m.			PTSDL		CS Lab #2 Human Developme nt (Toddler) 1.5 hr.'s/student	CS Lab #2 Human Developme nt (Toddler) 1.5 hr.'s/student	PTSDL			
2:00 p.m.			Protected Time For Student Directed Learning		Protected Time For Student Directed Learning		PBL: Ms. Jones/Mr Williams			
2:30 p.m.	Histo Lab: Secondary lymphoid organs	PBL: Ms. Jones/Mr Williams CS session CS faculty					Heme Lab: Leukemia Smears			
3:00 p.m.	XC Jiang and staff	CS session CS faculty					C. Luhrs and staff HALF 1 6 <sup>th</sup> flr. 208			
3:30 p.m.	HALF 1 6 <sup>th</sup> flr 159	HALF 2 6 <sup>th</sup> flr	Half 2		Half 1		HALF 2 6 <sup>th</sup> flr 153			
4:00 p.m.										
4:30 p.m.		● 145	● 124		● 124					

	6.5 hrs	3.5 hrs	2.5 hrs			
	Monday 12/5	Tuesday 12/6	Wednesday 12/7	Thursday 12/8	Friday 12/9	
9:00 a.m.	Vulnerable Patient	PTSDL  Protected Time For Student Directed Learning  Half 1 and 2			PTSDL  Protected Time For Student Directed Learning  Half 1 and 2	
9:30 a.m.	C. Page ● 254					PBL: Ms. Jones/Mr Williams PTSDL
10:00 a.m.	Small Group: Abuse and Vulnerable Patients CS faculty			POPS/TBL Immune Mech. & Disorders Coico/Roman HALF 1 6 <sup>th</sup> flr 175		Protected Time For Student Directed Learning
10:30 a.m.	Path Lab: Lymph Node Neoplasia S. Gottesman and staff			Protected Time For Student Directed Learning		Protected Time For Student Directed Learning
11:00 a.m.	HALF 1 6 <sup>th</sup> flr.					HALF 1 6 <sup>th</sup> flr.
11:30 a.m.	● 157					169
12:00 p.m.				Half 2		Half 2
12:30 p.m.						End-Unit Checklist
1:00 p.m.	Special: Myeloma / ALL / BM transpl't Patient Enc'ter S. Gottesman			Immune Surveill. and Mod. in Cancer		
1:30 p.m.	LH 2 ZOOM ● 31			S. Blain		
2:00 p.m.				94		PTSDL
2:30 p.m.	Path Lab: Lymph Node Neoplasia			PTSDL		Protected Time For Student Directed Learning
3:00 p.m.	Small Group: Abuse and Vulnerable Patients CS faculty		POPS/TBL Immune Mech. & Disorders Coico/Roman HALF 2 6 <sup>th</sup> flr 175	PBL: Ms. Jones/Mr Williams MK faculty		
3:30 p.m.	S. Gottesman and staff		Protected Time For Student Directed Learning	HALF 2 6 <sup>th</sup> flr.		
4:00 p.m.	● 157		Half 1	169		
4:30 p.m.	HALF 1 6 <sup>th</sup> flr. 171					

Asynchronous activities Biostats [134]: Epidemiological Study Design: Review exercise ●

UNIT 2 2022 DRAFT CALENDAR: Reflection, Integration & Assessment week

	Monday 12/12	Tuesday 12/13	Wednesday 12/14	Thursday 12/15	Friday 12/16	
9:00 a.m.	<b>Patient Care OSCE</b>		<b>STUDY DAY</b>		<b>MK NBME Exam</b> 20 questions ~ 3 hours	
9:30 a.m.						
10:00 a.m.		<b>MK Integrated Lab Practical Exam</b> (~30 Qs, 1.5'/Q)		<b>MK Essay Exam</b> 4 Questions		
10:30 a.m.				<b>PC Essay Exam</b> 4 Questions		
11:00 a.m.				<b>PC Essay Exam</b> (special Accomodations)		<b>PC MCQ Exam</b> (for religious observant students)
11:30 a.m.						
12:00 p.m.						
12:30 p.m.						
1:00 p.m.						
1:30 p.m.						
2:00 p.m.						
2:30 p.m.						
3:00 p.m.						
3:30 p.m.						
4:00 p.m.		<b>PC MCQ Exam</b>				
4:30 p.m.						

