

Human Biology & Disease 2021 Class Schedule

Friday, April 30th

8:00 - 9:00 am	Orientation	Mark de Caestecker M.B, B.S., Ph.D., F.A.S.N Matthew Luther, MD, MSCI Brad Richmond, MD, PhD
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Monday, May 3rd - Lung

8:00 - 8:40 am	Normal human lung anatomy and function	Wade Brown, MD Brad Richmond, MD, PhD
8:40 - 9:20 am	Pathogenesis of COPD	Matthew Mart, MD
9:20 - 9:30 am	Patient presentation	Division of Allergy, Pulmonary, and Critical Care
9:30 - 10:00 am	Clinical management of COPD	
10:00 - 10:15 am	Feedback	

Tuesday, May 4th - Spinal Cord

8:00 - 8:40 am	Normal anatomy and function of the spinal cord	Richard Berkman, MD
8:40 - 9:20 am	Spinal cord lesions: cases and treatment	Department of Neurological Surgery
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of spinal cord injuries	
9:40 - 10:00 am	Review	
10:00 - 10:15 am	Feedback	

Wednesday, May 5th - Lipid and Glucose Metabolism		
8:00 - 9:00 am	Function and anatomy of normal and abnormal human islets	Mona Mashayekhi, MD, PhD Jordan Wright, MD, PhD
9:00 - 9:10 am	Break	Division of Endocrinology
9:10 - 9:30 am	Type 2 diabetes: causes and treatment	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of type 2 diabetes	
9:40 - 10:00 am	Review	
10:00-10:15 am	Feedback	

Thursday, May 6th - Kidney		
8:00 - 8:40 am	Normal human kidney and anatomy and physiology	William Fissell, MD Division of Nephrology
8:40 - 9:20 am	Renal vasculitis: causes and treatment	
9:20 - 9:30 am	Break	
9:30 - 10:00 am	Patient perspective: Case presentation and clinical management of patient with Renal vasculitis	
10:00 - 10:30 am	Review	
10:00-10:15 am	Feedback	

Friday, May 7th - Coagulation		
8:00 - 8:40 am	Normal human coagulation	Allison Wheeler, MD
8:40 - 9:20 am	Coagulation disorders	Division of Hematology and Oncology
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of hemophilia	
9:40 - 10:00 am	Review	
10:00-10:15 am	Feedback	

Monday, May 10th - No class today - RSS

Tuesday, May 11th - Autoimmunity

8:00 - 8:40 am	Normal human immune responses	Cecilia Chung, MD, MPH Tyler Reese, MD Amy Major, Ph.D Division of Rheumatology
8:40 - 9:20 am	Lupus: causes and treatment	
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of Lupus	
9:40 - 10:00 am	Review	
10:00 - 10:15	Feedback	

Wednesday, May 12th - Bacterial Infections

8:00 - 8:40 am	Host defenses and immunological responses to bacterial infections	Isaac Thomsen MD, MSCI Daniel Dulek, MD Division of Pediatric Infectious Diseases
8:40 - 9:20 am	Chronic osteomyelitis: causes and treatment	
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Case presentation and clinical management of chronic bone infection (osteomyelitis)	
9:40 - 10:00 am	Review	
10:00 - 10:15	Feedback	

Thursday, May 13th - Gastrointestinal Tract

8:00 - 8:40 am	Normal anatomy and function of the GIT in humans	Dawn Adams, MD Rishi Naik, MD, MSCI
8:40 - 9:20 am	Celiac Disease: causes and treatment	Division of Gastroenterology
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient Perspective: Case presentation and clinical management of Celiac Disease	
9:40 - 10:00 am	Review	
10:00-10:15 am	Feedback	

Friday, May 14th - Liver

8:00 - 8:40 am	Normal anatomy and function of the human liver	Alexandra Shingina, BS, MD
8:40 - 9:20 am	Liver Cirrhosis: causes and treatment	Division of Gastroenterology
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of liver cirrhosis	
9:40 - 10:00 am	Review	
10:00-10:15 am	Feedback	

Monday, May 17th - Neuromuscular System

8:00 - 8:40 am	Normal anatomy and physiology of the neuromuscular system	William Burnette, MD, MS Divisions of Pediatric Neurology and Neuromuscular Medicine
8:40 - 9:20 am	ALS and its management	Peter Donofrio, MD
9:20 - 9:30 am	Break	Division of Neuromuscular Disorders
9:30 - 9:40 am	Informal discussion of the Neuromuscular System	
9:40-10:00 am	Review	
10:00-10:15 am	Feedback	

Tuesday, May 18th - Heart

8:00 - 8:40 am	Normal human cardiac anatomy and function	Quinn Wells, MD, PharmD, MSCI
8:40 - 9:20 am	Dilated cardiomyopathy: causes and treatment	Division of Cardiovascular Medicine
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of dilated cardiomyopathy	
9:40 - 10:00 am	Review	
10:00-10:15 am	Feedback	

Wednesday, May 19th - Vasculature

8:00 - 8:20 am	Normal Vascular Anatomy and Function	Esther Kim, MD Aaron W. Aday, MD, MSCI
8:25 - 9:10 am	Peripheral artery Disease	Division of Cardiovascular Medicine, Section of Vascular Medicine
9:10 - 9:20 am	Break	
9:20 - 9:45 am	Patient Presentation	
9:50 - 10:15 am	Review and feedback	

Thursday, May 20th - Bone Marrow

8:00 - 8:40 am	Normal bone marrow anatomy and function in humans	Brian Engelhardt, MD Ridas Juskevicius, M.D.
8:40 - 9:20 am	Acute leukemia and stem cell transplantation: causes and treatments	Division of Hematology and Oncology
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Case presentation and clinical management of leukemia	
9:40 - 10:00 am	Feedback	

Friday, May 21st - Viral Infections

8:00 - 8:40 am	Immunological responses to viruses	Celestine Wanjalla, MD, PhD
8:40 - 9:20 am	HIV: causes and treatment	Division of Infectious Diseases
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of HIV	
9:40 - 10:00 am	Review	
10:00 - 10:15 am	Feedback	

Monday, May 24th - Blood

8:00 - 8:40 am	Red blood cell production and turnover in humans	Adetola Kassim, MD
8:40 - 9:20 am	Sickle cell disease and stem cell transplantation as a therapy: causes and treatment	Division of Hematology and Oncology
9:20 - 9:30 am	Break	
9:30 - 9:40 am	Patient perspective: Case presentation and clinical management of sickle cell disease	
9:40 - 10:00 am	Review	
10:00-10:15 am	Feedback	