

MD Anderson Cancer Center and UT Graduate School of Biomedical Sciences

SPRING 2021

GS12 1164 Human Pathobiology

Time 1:00 p.m. – 3:00 p.m. Tuesdays & Thursdays

First Day of Class: 01/11/2021

Last Day of Class: 04/30/2021

Final Exam Week: 05/3-7/2021

Course Requirements:

- Formal registration through UT Graduate School of Biomedical Sciences (GSBS)
- 85% Class attendance required (up to 2 absences allowed)
- Students must complete mid-term & final exam (multiple choice, take home exam).

WEEK	DATE	LECTURE	INSTRUCTOR/AFFILIATION
1	1/12/21	Introduction: Basics of Histology and Pathology\ Histology and Pathology	Maximilian Buja, MD - UTH Professor, Department of Pathology
2	1/14/21	Cell & Tissue Injury, Adaption and Death Robbins/Kumar Chpt 1- The Cell	Maximilian Buja, MD - UTH Professor, Department of Pathology
3	1/19/21	Inflammation and Repair Robbins/Kumar Chpt 2 - Cell Injury, Cell Death & Adaptations	Maximilian Buja, MD - UTH Professor, Department of Pathology
4	1/21/21	Major Circulatory Disturbances Robbins/Kumar Chpt 3 - Inflammation and Repair	Maximilian Buja, MD - UTH Professor, Department of Pathology
5	1/26/21	Immune 1: The Lymphoid System Robbins/Kumar Chpt 5 - Diseases of the Immune System	Priyadharsini Nagarajan, MD PhD - MDACC Associate Professor, Dermatopathology
6	1/28/21	Immune 2: Properties of the Immune System Robbins/Kumar Chpt 5 - Diseases of the Immune System	Priyadharsini Nagarajan, MD PhD - MDACC Associate Professor, Dermatopathology
7	2/2/21	Stromal-Epithelial Interactions – Tumor Biology Robbins/Kumar Chpts 1, 2, 3 & 6	David Rowley, PhD - BCM Professor, Department of Molecular & Cellular Biology
8	2/4/21	Basic Concepts in Cancer Robbins/Kumar Chpt 6 - Neoplasia	Gustavo Ayala, MD - UTH Professor & Vice Chair for Outreach
9	2/9/21	Environmental Pathology Robbins/Kumar Chpt 8 - Environmental and Nutritional Diseases	Melissa Taggart, MD – MDACC Associate Professor, Department of Pathology
10	2/11/21	CNS – Architecture, Histology and Neurodegenerative Disease Robbins/Kumar Chpt 23 - Central Nervous System	Leomar Ballester, MD PhD - UTH Assistant Professor, Department of Pathology
11	2/16/21	Benign Hematopathology Robbins/Kumar Chpt 12 - Hematopoietic and Lymphoid Systems	Amer Wahed, MD – UTH Vice Chair, Clinical Pathology Professor, Department of Pathology
12	2/18/21	Breast Pathology Robbins/Kumar Chpt 19 - Female Genital System and Breast	Aysegul Sahin, MD - MDACC Professor, Department of Pathology
13	2/23/21	Respiratory 1: An Overview of Non-Malignant Pulmonary Diseases Robbins/Kumar Chpt 13 - Lung & Chpt 9 - General Pathology of Infectious Diseases	Bihong Zhao, MD PhD - UTH Associate Professor, Department of Pathology
14	2/25/21	Respiratory 2: Pathology of Tumors of the Lung and Pleura Robbins/Kumar Chpt 13 - Lung	Annikka Weissferdt, MD - MDACC Associate Professor, Department of Pathology
14	2/25/21	Mid-Term Exam Lectures 1-14	Due: 3/2/2021

15	3/2/21	Pediatric Genetic Disorders, a Brief Overview Robbins/Kumar Chpt 7 - Genetic and Pediatric Diseases	Amanda Tchakarov, MD - UTH Assistant Professor, Department of Pathology
16	3/4/21	Hematopoietic and Lymphoid System Neoplasms Robbins/Kumar Chpt 12 - Hematopoietic and Lymphoid Systems	James You, MD PhD - MDACC Professor, Department of Hematopathology
17	3/9/21	Common Tumors in Female Reproductive System & a New Theory for the Origin of Human Tumors Robbins/Kumar Chpt 19 - Female Genital System and Breast	Jinsong Liu, MD, PhD – MDACC Professor, Department of Pathology
18	3/11/21	Endocrine System Robbins/Kumar Chpt 20 - Endocrine System	Miao Zhang, MD PhD - MDACC Associate Professor, Department of Pathology
19	3/15-19	SPRING BREAK – NO CLASSES	
20	3/23/21	Cardiovascular System I – Blood Vessels Robbins/Kumar Chpt 10 – Blood Vessels	Maximilian Buja, MD - UTH Professor, Department of Pathology
21	3/25/21	Cardiovascular System II – The Heart Robbins/Kumar Chpt 11 - Heart	Maximilian Buja, MD - UTH Professor, Department of Pathology
22	3/30/21	Gastrointestinal Tract Robbins/Kumar Chpt 15 - Oral Cavities and Gastrointestinal Tract	Rebecca Waters, DO – MDACC Assistant Professor, Department of Pathology
23	4/1/21	Understanding Kidney Disease Robbins/Kumar Chpt 14 - Kidney and Its Collecting System	William Glass, MD PhD - UTH Professor, Department of Pathology
24	4/6/21	Nerve and Muscle Robbins/Kumar Chpt 22 - Peripheral Nerves and Muscles	Meenakshi Bhattacharjee, MD - UTH Professor, Department of Pathology
25	4/8/21	Liver and Gallbladder / Diseases of the Pancreas Robbins/Kumar Chpt 16 - Liver and Gallbladder & Chpt 17 - Pancreas	Alejandro Contreras, MD – MDACC Associate Professor, Department of Pathology Anirban Maitra, MBBS - MDACC Professor, Department of Pathology
26	4/13/21	Testicular Tumors: A Clinicopathologic Approach Robbins/Kumar Chpt 18 - Male Genital System and Lower Urinary Tract	Kanishka Sircar, MD - MDACC Professor, Department of Pathology
27	4/15/21	Dermatopathology Robbins/Kumar Chpt 24 - Skin	Victor Prieto, MD PhD - MDACC Chair, Department of Pathology Phyu Aung, MD - MDACC Associate Professor, Department of Pathology
28	4/20/21	The Evolving Landscape of Oncologic Diagnosis Convergence of Imaging, Histology, & Molecular Signature Robbins/Kumar Chpt 23 - Central Nervous system	Jason Huse, MD PhD – MDACC Associate Professor, Department of Pathology

29	4/22/21	Bone and Pathobiology of Selected Skeletal Malignancies Robbins/Kumar Chpt 21 - Bones, Joints, and Soft Tissue Tumors	Theresa Guise, MD - MDACC Professor, Department of Endocrine Bogdan Czerniak, MD, PhD - MDACC Professor, Department of Pathology
30	4/27/21	Wrap up session Final Exam – Lectures 15-30	Maximilian Buja, MD - UTH Professor, Department of Pathology

TEXTBOOKS: 1) Pawlina W. Histology: A Text and Atlas – With Correlated Cell and Molecular Biology, 8th edition. Philadelphia: Wolters Kluwer, 2020. 2) Kumar V, Abbas AK, Aster JC. Robbins Basic Pathology, 10th Edition. Philadelphia: Elsevier, 2018.

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