

FALL 2023
MWF 9:55-10:45 AM, Rm. 7001A (WIMR). *9/8 5001A
Course Director: Aussie Suzuki (262-1686, aussie.suzuki@wisc.edu, RM. 6533 WIMR)
TA: Maddi Bandini (mbandini@wisc.edu)

DAY	MONTH	DATE	LECTURE	TITLE
Wednesday	September	6	Bradfield	First Day of Instruction, Hallmarks of Cancer
Friday *Room5001A	September	8	Bradfield	Chemical Carcinogenesis I
Monday	September	11	Bradfield	Chemical Carcinogenesis II
Wednesday	September	13	Lambert	RNA tumor viruses and the discovery of oncogenes
Friday	September	15	Lambert	DNA tumor viruses and the discovery of tumor suppressor genes
Monday	September	18	Lambert	EBV - the first viruses identified to cause human cancer
Wednesday	September	20	Alexander	Cancer genetics I: Histopathology
Friday	September	22	Alexander	Cancer genetics II: Building models
Monday	September	25	Alexander	Mouse models I: Techniques
Wednesday	September	27	Suzuki	Cell Cycle I: Introduction
Friday	September	29	Suzuki	Cell Cycle II: Signaling and checkpoint
Monday	October	2	Suzuki	Cell Cycle Detections in Cancer Research
Wednesday	October	4	Suzuki	Checkpoint and Cell Cycle Inhibitors in Cancer
Friday	October	6	Suzuki	Chromosomal Instability and Cancer
Monday	October	9	Suzuki	DNA Damage and Cancer Driver Genes
Wednesday	October	11	Xu	Introduction of Epigenetics and DNA methylation
Friday	October	13	Xu	Dysregulated histone modifications in Cancer
Monday	October	16	Xu	Histone variants as cancer driver genes
Wednesday	October	18	Xu	Chromatin remodeling, non-coding RNA, and epigenome editing
Friday	October	20	Xu	Breast cancer genetics and precision medicine
Monday	October	23	Xu	Normal breast development, risk factor and hormone dependency
Wednesday	October	25	Xu	Breast cancer animal models
Friday	October	27	Xu	Breast cancer stem cells, microenvironment, and metastasis
Monday	October	30	Alexander	Video lecture (Hypoxia: Dr. Bill Kaelin)
Wednesday	November	1	Zhang	Introduction to normal and neoplastic hematopoietic cells
Friday	November	3	Zhang	Tumor initiating cells and clonal evolution
Monday	November	6	Zhang	Stem cell niche and cancer
Wednesday	November	8	Zhang	Chromosomal translocations: Oncogene addiction
Friday	November	10	Zhang	Mechanism-based therapies
Monday	November	13	Zhang	Lung cancer I
Wednesday	November	15	Zhang	Lung cancer II
Friday	November	17	Morris	Introduction to Tumor Immunology
Monday	November	20	Morris	Evasion of Immune Detection in the Tumor Microenvironment
Wednesday	November	22	Thanksgiving	NO CLASS: THANKSGIVING BREAK
Friday	November	24	Thanksgiving	NO CLASS: THANKSGIVING BREAK
Monday	November	27	Morris	Cancer Immunology
Wednesday	November	29	Alexander	Mouse models II: Limitations
Friday	December	1	Alexander	Colorectal cancer I: Introduction
Monday	December	4	Alexander	Colorectal cancer II: FAP
Wednesday	December	6	Alexander	Colorectal cancer III: HNPCC
Friday	December	8	Alexander	Growth and metabolism I: Intro
Monday	December	11	Alexander	Growth and metabolism II: Best papers
Monday	December	13	Alexander	Last Day of Instruction, Growth and metabolism III: Discussion