

CS21 1121 ANALYSIS OF PATIENT-DERIVED SAMPLES SUMMER 2018

Formal registration through
Graduate School of Biomedical Sciences (GSBS)
Thursdays, 4:30 p.m. – 6:30 p.m.
MD Anderson Cancer Center – Faculty Center, FC10.3035

COURSE REQUIREMENTS

- **Grading: letter graded**
- **80% class attendance is required (no more than 2 missed classes)**
- **Final Exam: Take home multiple choice questions. Due 8/14/2018.**
- **Final Exam: This is an open-book exam.**

First Day of Class: May 24, 2018
Last Day of Class: August 12, 2018
Final Exam Week: August 14-15, 2018

DATE	TOPIC	INSTRUCTOR	TITLES - AFFILIATION
Thursday 5/24/18	Patient sample acquisition for pharmacodynamics	David Hong, MD	Professor, Investigational Cancer Therapeutics, MDACC
	Next generation DNA sequencing of patient samples	Mark Routbort, MD, PhD	Professor, Hematopathology, MDACC
Thursday 5/31/18	Critical Pathology Variables in Analysis of Patient-Derived Samples.	Dipen Maru, MD	Professor, Pathology, Anatomical, MDACC
Thursday 6/7/18	Research Histopathology and Immunohistochemistry	Huamin Wang, MD, PhD	Professor, Pathology, Anatomical MDACC
Thursday 6/14/18	Circulating tumor cells	Shulin Li, PhD	Professor, Pediatrics – Research, MDACC
		Jacqueline Furr	Laboratory Manager, Translational Molecular Pathology, MDACC
Thursday 6/21/18	Immune monitoring on clinical trials	Gheath Al-Atrash, DO, PhD	Associate Professor, Stem Cell Transplantation, MDACC
	A tissue-based approach to study mechanisms of resistance to immune checkpoint therapy	Jianjun (JJ) Gao, MD, PhD	Assistant Professor, Genitourinary Medical Oncology, MDACC
Thursday 6/28/18	The Cancer Genome Atlas (TCGA)	Kenna Shaw, PhD	Executive Director, IPCT MDACC
		Ju-Seog Lee, PhD	Associate Professor, Systems Biology, MDACC
Thursday 7/5/18	Circulating DNA	Filip Janku, MD, PhD	Associate Professor, Invest. Cancer Therapeutics, MDACC
	Gene Expression Profiling	R. Eric Davis, MD	Associate Professor, Lymphoma/Myeloma, Research, MDACC

DATE	TOPIC	INSTRUCTOR	TITLES - AFFILIATION
Thursday 7/12/18	Epigenetics: Histone modification Proteomics by MS	Kunal Rai, PhD David Hawke, PhD	Assistant Professor, Genomic Medicine, MDACC Proteomics Facility Manager, Systems Biology, MDACC
Thursday 7/19/18	Patient-derived xenograft–derived ex vivo (PDXEx) model for evaluation of tumor-specific therapies Patient-derived xenografts: applications and therapy	Geoffrey Bartholomeusz, PhD Michael Kim, MD	Associate Professor, Experimental Therapeutics, MDACC Assistant Professor, Surgical Oncology, MDACC
Thursday 7/26/18		Carrie Daniel-MacDougall, PhD Robert Jenq, MD	Assistant Professor, Epidemiology, MDACC Assistant Professor, Genomic Medicine, MDACC
Thursday 8/2/18	Molecular and Immune Profiling of Tumor Tissue Specimens Circulating cell free DNA	Ignacio I. Wlstuba, MD Van Morris, MD	Chair, Translational Molecular Path, MDACC Assistant Professor, GI Medical Oncology, MDACC
Thursday 8/9/18 Final Exam to be distributed	Research Biopsies	George Calin, MD, PhD Michael Overman, MD	Professor, Experimental Therapeutics, MDACC Associate Professor, GI Medical Oncology, MDACC
Tuesday 8/14/18	Turn in final exam (for students taking course for credit)		

Exams should be emailed to (lpaiz@mdanderson.org)

Contact Information - M. D. Anderson

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