

# 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](mailto:lpaiz@mdanderson.org))**

### Contact Information - M. D. Anderson

**Course Director** Scott Kopetz, MD, PhD  
Associate Professor  
GI Medical Oncology  
MD Anderson Cancer Center  
[skopetz@mdanderson.org](mailto:skopetz@mdanderson.org)

Laura Paiz  
Sr. Administrative Assistant  
GI Medical Oncology  
MD Anderson Cancer Center  
[lpaiz@mdanderson.org](mailto:lpaiz@mdanderson.org)

### Contact Information - Graduate School of Biomedical Sciences (GSBS)

**GSBS** Lourdes (Bunny) Perez  
Administrative Assistant II  
Dean's Office (713) 500-9871  
[Lourdes.V.Perez@uth.tmc.edu](mailto:Lourdes.V.Perez@uth.tmc.edu)