FALL 2020
GS21 1232 Translational Sciences: From Bedside to Bench and Back
Formal Registration through UT Graduate School of Biomedical Sciences (GSBS)
5:00 p.m. – 7:00 p.m. Wednesday evenings
MD Anderson Cancer Center – Virtual

Course Requirements:
- 85% attendance required (i.e., 2 absences allowed)
- Students must complete written exam (multiple choice, true/false, essay take home exam).
  - Take home exam must be returned by Monday, 12/14/20.
- Grading:
  - 40%: Participation in discussion sections
  - 60%: Final exam

<table>
<thead>
<tr>
<th>DATE</th>
<th>LECTURE</th>
<th>INSTRUCTOR</th>
<th>TITLE(S) ~ AFFILIATION</th>
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</thead>
<tbody>
<tr>
<td>09/02/2020</td>
<td>Course Introduction: Bedside to Bench and Back</td>
<td>Scott Kopetz, MD, PhD</td>
<td>Professor, Department of GI Medical Oncology</td>
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<tr>
<td>Wednesday</td>
<td>Translational Computational Oncology</td>
<td>John Paul Shen, MD</td>
<td>Assistant Professor, Department of GI Medical Oncology</td>
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<tr>
<td>09/09/2020</td>
<td>Liquid Biopsies – A New Tool in the Personalized Cancer Therapy Toolbox</td>
<td>Filip Janku, MD, PhD</td>
<td>Associate Professor, Department of Invest. Cancer Therapeutics, MD Anderson</td>
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<tr>
<td>Wednesday</td>
<td>Translational research in leukemia, from bench to bedside and back to the bench</td>
<td>Jan A. Burger, MD</td>
<td>Professor, Department of Leukemia, MD Anderson</td>
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<tr>
<td>09/16/2020</td>
<td>Translational Research in Leukemia</td>
<td>Tapan M. Kadia, MD</td>
<td>Associate Professor, Department of Leukemia, MD Anderson</td>
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<td>09/23/2020</td>
<td>Epigenetics: Cancer Biology &amp; Therapies</td>
<td>Joya Chandra, PhD, BS</td>
<td>Associate Professor, Department of Pediatric Research, MD Anderson</td>
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<td>Wednesday</td>
<td>Translational research in head and neck cancers</td>
<td>Faye Johnson, MD, PhD</td>
<td>Associate Professor, Department of Thoracic/Head &amp; Neck Med Onc</td>
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<td>10/07/2020</td>
<td>From Bench to Bedside and Back: a Drug Combination Example</td>
<td>Lawrence Kwong, PhD</td>
<td>Assistant Professor, Department of Translational Molecular Path</td>
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<td>Wednesday</td>
<td>BCL-2 inhibition/apoptotic targeting in leukemia</td>
<td>Marina Konopleva, MD, PhD</td>
<td>Professor, Department of Leukemia, MD Anderson</td>
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First Day of Class: September 2nd, 2019
Classes Cancelled (Holiday): November 25, 2020
Last Day of Class: December 11, 2020
Final Exam Week: December 14-18, 2020
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<tr>
<td>10/28/2020 Wednesday</td>
<td>TBD</td>
<td>Sangeeta Goswami, MD, PhD</td>
<td>Assistant Professor, Department of Genitourinary Medical Oncology</td>
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<td>11/04/2020 Wednesday</td>
<td>Genomic Landscape of Colorectal Precancers in Hereditary High-Risk Populations: The case of Lynch Syndrome</td>
<td>Eduardo Vilar-Sanchez, MD, PhD</td>
<td>Associate Professor, Department of Clinical Cancer Prevention, MD Anderson</td>
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<td>11/11/2020 Wednesday</td>
<td>Tissue engineered models of bone sarcoma for improved prediction of drug efficacy.</td>
<td>Joseph Ludwig, MD</td>
<td>Associate Professor, Department of Sarcoma Medical Oncology, MD Anderson</td>
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<td>11/18/2020 Wednesday</td>
<td>Overcome resistance to immune checkpoint therapy</td>
<td>Jianjun (JJ) Gao</td>
<td>Associate Professor, Department of Genitourinary Medical Oncology, MD Anderson</td>
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<td>11/25/2020</td>
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<td>HOLIDAY</td>
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<tr>
<td>12/02/2020 Wednesday</td>
<td>Why is Pancreatic Cancer Such a Deadly Disease and What Can We Do About It</td>
<td>Anirban Maitra, MBBS</td>
<td>Professor, Department of Pathology, Anatomical, MD Anderson</td>
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<td>12/09/2020 Wednesday</td>
<td>PARP inhibitors: From Bedside to Bench and Back</td>
<td>Timothy Yap, PhD, MBBS</td>
<td>Associate Professor, Department of Invest. Cancer Therapeutics, MD Anderson</td>
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<tr>
<td>12/14/2020 Monday</td>
<td>Final exam due</td>
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**Contact Information - MD Anderson**

**Course Director**
- Scott Kopetz, MD, PhD
  - Deputy Chair
  - Department of GI Medical Oncology
  - Del and Dennis Mccarthy
  - Distinguished Professor
  - MD Anderson Cancer Center
  - skopetz@mdanderson.org

- Hey Min Lee
  - Graduate Research Asst-GSBS
  - Department of GI Med Oncology - Research
  - MD Anderson Cancer Center
  - HLee19@mdanderson.org

- John Paul Shen, MD
  - Assistant Professor
  - Department of GI Medical Oncology
  - MD Anderson Cancer Center
  - JShen8@mdanderson.org

**GSBS**
- Lourdes (Bunny) Perez
  - Administrative Assistant II
  - Dean’s Office (713) 500-9871
  - Lourdes.V.Perez@uth.tmc.edu

**Contact Information - Graduate School of Biomedical Sciences (GSBS)**
- Angela Lavergne
  - Administrative Assistant
  - Department of GI Medical Oncology
  - MD Anderson Cancer Center
  - ADLavergne@mdanderson.org
Companion Spring courses include:
Translational Cancer Research (Bast) GS21 1613  Thursdays, 3:00 PM – 5:00 PM

Test out your connection on Zoom
https://zoom.us/test

Expectations in Zoom:

1. Log in to Zoom with your full name.
2. Use computer audio OR the “Call Me” feature. Don’t call in on the phone directly.
3. Camera on throughout class time
4. Mute your line when not speaking. Join from a quiet environment if possible.
5. Participate in polls using the Zoom app

Meeting invite:
https://mdacc.zoom.us/j/93653083113?pwd=Skg4cTJ0UUtZ2RyRTRycmNPZWEw6z09

Meeting ID: 936 5308 3113

Password: 936936

Tiny URL for invite:
https://tinyurl.com/y4lxo67z