

# Translational Colorectal Cancer: from Genomics to Therapy

March 4-5, 2020 Virtual Zoom Meeting Hosted by MD Anderson

## PROGRAM AGENDA

Thursday, March 4, 2021

8:30-9:00      **Check-In**

9:00-9:10      **Introduction**  
**Scott Kopetz** (MD Anderson)  
**Xiling Shen** (Duke)

9:15-10:15      **Opening Keynote**  
**Sandy Markowitz**, (Case Western), introduced by Zhenghe Wang (Case Western)  
Genetic lessons from GI cancers

10:15-12:00      **Session 1: Colon Cancer Genetics**  
**Chair: Scott Kopetz** (MD Anderson)

10:15-11:00      **Steve Lipkin** (Weill Cornell) Immunoprevention for Lynch Syndrome

11:00-11:30      **John Paul Shen** (MD Anderson) Transcriptional profiling and subtyping of CRC to predict drug response

11:30-12:00      **Eduardo Vilar** (MDACC) Genomic Analysis of Mismatch Repair Deficient Colorectal Carcinogenesis: Opportunities for Cancer Interception

12:00-1:00      **LUNCH BREAK**

1:00-3:15      **Session 2:      Computational analysis, clonal evolution, metastasis and inflammation**  
**Chair: Steven Lipkin** (Weill Cornell)

1:00-1:45      **Christina Curtis** (Stanford) Characterizing the dynamics of colorectal cancer progression and metastasis

1:45-2:15      **Wenyi Wang** (MD Anderson) Tumor cell total mRNA expression shapes the molecular and clinical phenotype of cancer

2:15-2:45      **Matan Hofree** (Broad) Multicellular immune hubs and their organization in MMRd and MMRp colorectal cancer

2:45-3:15      **Emina Huang** (Cleveland Clinic) Models of chronic inflammation as a harbinger to early onset colorectal cancer

3:15-3:30      **BREAK**

3:30-5:15      **Session 3:      Molecular pathways and stem cells**

**Chair: Emina Huang** (Cleveland Clinic)

3:30-4:15      **Eric Fearon** (Michigan) Modeling Colorectal Cancer Pathogenesis in the Mouse

4:15-4:45      **Xiling Shen** (Duke) Epigenetic reprogramming of colon cancer metastasis and droplet organoid guided precision medicine

4:45-5:15      **Zhenghe Wang** (Case Western) Protein tyrosine nitration: a new signaling paradigm

5:15-5:30      **Closing remarks      Scott Kopetz**

Friday, March 5, 2021

8:50-9:00 am **Check-In**

9:00-11:15      **Session 4: Clinical translational of CRC biology**

**Chair: Xiling Shen** (Duke)

9:00-9:45      **Luis Diaz** (MSKCC) PD-1 blockade in mismatch repair deficient tumors.

9:45-10:15      **Scott Kopetz** (MD Anderson) Leveraging adaptive resistance for treatment of CRC

10:15-10:45      **Zsofia Stadler** (Harvard) Integrating parallel tumor-normal sequencing to inform inherited gastrointestinal cancers

10:45-11:15      **Nancy You** (MD Anderson) Young age-of-onset colorectal cancer – a new unknown?

11:15-11:30      **BREAK**

11:30-12:00      **Closing Keynote**

**Monica Bertagnolli** (Harvard) introduced by **George Chang** (MD Anderson)

Therapy Selection Based Upon Genomic Data: The Electronic Health Record Use Case