

Translational Colorectal Cancer: from Genomics to Therapy

March 4-5, 2021

Virtual Zoom Meeting Hosted by MD Anderson, Duke University and Cornell

Eastern Times

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)
"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) *"Translational 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 - 12:20 **Special Lecture: Nastaran Zahir** (NIH) *"National Cancer Institute Funding Opportunities Supporting Translational Colorectal Cancer Research"*

12:20-1:00 **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/UT Southwestern) *"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/UT Southwestern)

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 from Scott Kopetz**

Friday, March 5, 2021

8:30-9:00 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** (MSKCC) *"Integrating parallel tumor-normal sequencing to inform inherited gastrointestinal cancer"*

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

11:15-11:30 **BREAK**

11:00-12:00 **Closing Keynote**
Monica Bertagnolli (Harvard) (Introduced by **George Chang**, MD Anderson) *"Therapy Selection Based Upon Genomic Data: The Electronic Health Record Use Case"*