

NIH Early-Onset Colorectal Cancer (EO-CRC) Think Tank

Supported by
National Cancer Institute (NCI) & National Institute of Environmental Health Sciences (NIEHS)

September 24–25, 2020

AGENDA – VIRTUAL MEETING

Website: <https://events.cancer.gov/crs/eocr>

Thursday, September 24th

(This portion of the meeting will be conducted using Zoom Webinar)

10:00-10:15 Opening Remarks

- Introduction: L. Michelle Bennett, PhD, Director, NCI Center for Research Strategy
- Welcome: Douglas R. Lowy, MD, NCI Principal Deputy Director
- Goals of the Meeting: James V. Tricoli, PhD, Chief, Diagnostic Biomarkers and Technology Branch, Division of Cancer Treatment and Diagnosis (DCTD), NCI

10:15-12:00 Session 1: How can observational studies enhance the understanding of early-onset colorectal cancer?

Moderators: Kathy Helzlsouer, MD, MHS, and Stefanie Nelson, PhD, Division of Cancer Control and Population Sciences (DCCPS), NCI

20 min Topic Introduction: What is known about current patterns and trends in incidence and mortality? **Rebecca Siegel, MPH, American Cancer Society**

15 min Re-evaluation of putative risk factors and precursors: **Yin Cao, ScD, MPH, Washington University in St. Louis**

15 min Earlier life exposures: maternal obesity and gestational growth: **Caitlin Murphy, PhD, University of Texas Southwestern Medical Center**

15 min Diet, the gut microbiome, and early-onset colorectal cancer: **Andrew T. Chan, MD, MPH, Massachusetts General Hospital and Harvard Medical School**

30 min **Panel Q&A**

12:00-12:30 Break

12:30-2:15	<p>Session 2: What putative exposures or factors are contributing to the rising incidence of early-onset colorectal cancer?</p> <p><i>Moderators: Arun Pandiri, PhD, National Toxicology Program, NIEHS, and Sharon Ross, PhD, MPH, Division of Cancer Prevention (DCP), NCI</i></p>
20 min	Topic Introduction: What is known about etiological factors? Rick Woychik, PhD, NIEHS
15 min	Obesity, metabolic & inflammatory disease contributions to EO-CRC: Nathan A. Berger, MD, Case Comprehensive Cancer Center, Case Western Reserve University School of Medicine
15 min	Dietary and environmental exposures: Stephen Baylin, MD, Johns Hopkins University School of Medicine
15 min	Microbiome interactions: Cynthia L. Sears, MD, Johns Hopkins University School of Medicine
30 min	Panel Q&A
2:15-2:20	Break
2:20-4:05	<p>Session 3: What are the potential biological mechanisms underlying early-onset colorectal cancer?</p> <p><i>Moderators: Phillip Daschner, MS, Division of Cancer Biology and James Tricoli, PhD, DCTD, NCI</i></p>
20 min	Topic Introduction: What is known about biological mechanisms: Kimmie Ng, MD, MPH, Dana-Farber Cancer Institute
15 min	Molecular characterization of early-onset colorectal cancer: David Shibata, MD, FACS, University of Tennessee Health Science Center
15 min	Molecular signatures of EO-CRC: C. Richard Boland, MD, University of California, San Diego School of Medicine
15 min	Pathology of disease: Lisa Boardman, MD, Mayo Clinic Rochester
30 min	Panel Q&A
4:05-4:15	<p>Day 1 Closing Remarks and Announcements</p> <p>Laura Lunardi, PhD, NCI</p>

Friday, September 25th

(This portion of the meeting will be conducted using Zoom Webinar.)

- 10:00-10:05** **Opening Remarks for Day 2**
Phillip Daschner, MS, NCI
- 10:05-10:20** **Patient Advocacy Remarks**
Andrea Dwyer
Fight CRC/National Colorectal Cancer Roundtable
- 10:20-12:05** **Session 4: Possibilities for early-onset CRC screening and prevention**
Moderators: Asad Umar, PhD, DVM, and Matthew Young, PhD, DCP, NCI
- 15 min Knowns and unknowns about screening for early-onset colorectal cancer: **Sonia Kupfer, MD, University of Chicago**
- 15 min Utility of Mt-sDNA for detection and screening for EO-CRC: **Thomas Imperiale, MD, Indiana University**
- 15 min Using FDA-approved screening modalities for EO-CRC (~45 age group to FDA): **Graham Lidgard, PhD, Exact Sciences**
- 20 min Early-onset colorectal cancer: possibilities for screening and prevention: **John Baron, MD, MS, MSc, Geisel School of Medicine at Dartmouth**
- 30 min **Panel Q&A**
- 12:05-12:35** **Break**
- 12:35-2:20** **Session 5: Translational opportunities and clinical experiences**
Moderators: Anil Wali, PhD, Center to Reduce Cancer Health Disparities and Steven Nothwehr, PhD, DCTD, NCI
- 20 min Topic Introduction: **John Carpten, PhD, University of Southern California**
- 15 min Epigenetic dysregulation in early-onset colorectal cancer: **Nathan A. Ellis, PhD, University of Arizona Cancer Center**
- 15 min Molecular aspects of EO-CRC and clinical experience: **Scott Kopetz, MD, PhD, MD Anderson Cancer Center**
- 15 min Personalized screening for EO-CRC: initial experience and future directions: **Jeffrey K. Lee, MD, MPH, Kaiser Permanente Northern California Division of Research**
- 30 min **Panel Q&A**

2:20	Day 2 Scientific Sessions Closing Remarks and Announcements Laura Lunardi, PhD, NCI
2:20-2:40	Break
2:40-4:15	Breakout Groups and Wrap-Up <i>(This portion of the meeting will be conducted using Zoom Meeting. Prior registration required.)</i>
5 min	Opening Remarks: Laura Lunardi, PhD, Center for Research Strategy, NCI
60 min	Breakout Group Discussions: <ul style="list-style-type: none"> <li data-bbox="467 632 1349 699">• Group 1: Role of Obesity, diet, & environmental factors in EO-CRC <i>Moderators: Somdat Mahabir, PhD, MPH, and Sharon Ross, PhD, MPH</i> <li data-bbox="467 726 1398 793">• Group 2: Role of microbiota & infectious agents in EO-CRC <i>Moderators: Tram Kim Lam, PhD, MPH, and Roberto Flores, PhD, MS, MPH</i> <li data-bbox="467 821 1219 888">• Group 3: Are there distinct molecular features of EO-CRC? <i>Moderators: Stefanie Nelson, PhD, and Phillip Daschner, MS</i> <li data-bbox="467 915 1468 982">• Group 4: Possible screening and prevention strategies to reduce EO-CRC burden <i>Moderators: Mathew Young, PhD, and Asad Umar, PhD, DVM</i> <li data-bbox="467 1010 1122 1077">• Group 5: Possible treatment modalities for EO-CRC <i>Moderator: Carmen Allegra, MD</i>
25 min	Report Out (2-3 min per Breakout Group)
5 min	Wrap-Up and Closing Remarks: Laura Lunardi, PhD