

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

(This meeting will be conducted using Zoom Webinar)

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

Thursday, September 24th

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|--------------------|---|--------|---|--------|---|--------|---|--------|--|--------|----------------------|
| 10:00-10:15 | Opening Remarks <ul style="list-style-type: none">• 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, DCTD, NCI | | | | | | | | | | |
| 10:15-12:00 | Session 1: How can observational studies enhance the understanding of early-onset colorectal cancer? <p><i>Moderators: Kathy Helzlsouer, MD, MHS, and Stefanie Nelson, PhD, DCCPS/NCI</i></p> <table border="0"><tr><td>20 min</td><td>Topic Introduction: What is known about current patterns and trends in incidence and mortality? Rebecca Siegel, MPH, American Cancer Society</td></tr><tr><td>15 min</td><td>Early life exposures, obesity, and lifestyle risk factors: Yin Cao, ScD, MPH, Washington University in St. Louis</td></tr><tr><td>15 min</td><td>Exposures in utero, including maternal obesity: Caitlin Murphy, PhD, University of Texas Southwestern Medical Center</td></tr><tr><td>15 min</td><td>Potential risk factors related to diet and microbiota: Andrew T. Chan, MD, MPH, Massachusetts General Hospital and Harvard Medical School</td></tr><tr><td>30 min</td><td>Panel Q&A</td></tr></table> | 20 min | Topic Introduction: What is known about current patterns and trends in incidence and mortality? Rebecca Siegel, MPH, American Cancer Society | 15 min | Early life exposures, obesity, and lifestyle risk factors: Yin Cao, ScD, MPH, Washington University in St. Louis | 15 min | Exposures in utero, including maternal obesity: Caitlin Murphy, PhD, University of Texas Southwestern Medical Center | 15 min | Potential risk factors related to diet and microbiota: Andrew T. Chan, MD, MPH, Massachusetts General Hospital and Harvard Medical School | 30 min | Panel Q&A |
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| 30 min | Panel Q&A | | | | | | | | | | |
| 12:00-12:30 | Break | | | | | | | | | | |
| 12:30-2:15 | Session 2: What putative exposures or factors are contributing to the rising incidence of early-onset colorectal cancer? <p><i>Moderators: Arun Pandiri, PhD, NIEHS, and Sharon Ross, PhD, MPH, DCP/NCI</i></p> <table border="0"><tr><td>20 min</td><td>Topic Introduction: What is known about etiological factors? Rick Woychik, PhD, NIEHS</td></tr></table> | 20 min | Topic Introduction: What is known about etiological factors? Rick Woychik, PhD, NIEHS | | | | | | | | |
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15 min Obesity and metabolic disease contributions: **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 Session 3: What are the potential biological mechanisms underlying early-onset colorectal cancer?

Moderators: Phillip Daschner, MS, DCB/NCI, and James Tricoli, PhD, DCTD/NCI

20 min Topic Introduction: What is known about biological mechanisms: **Kimmie Ng, MD, MPH, Dana-Farber Cancer Institute**

15 min Genetics of EO-CRC: **David Shibata, MD, FACS, University of Tennessee Heath 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 Day 1 Concluding Remarks

Friday, September 25th

10:00-10:05 Opening Remarks for Day 2
Phillip Daschner, MS, DCB/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 Cologuard for detection and screening of EO-CRC: Thomas Imperiale, MD, University of Indiana
15 min	Using FDA-approved screening modalities for EO-CRC (~45 age group to FDA): Graham Lidgard, PhD, Exact Sciences
20 min	Early 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 <i>Moderators: Anil Wali, PhD, CRCHD/NCI, and Steven Nothwehr, PhD, DCTD/NCI</i>
20 min	Topic Introduction: John Carpten, PhD, University of Southern California
15 min	The rise of the rapid 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	Precision 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
2:20-2:40	Break
2:40-4:15	Breakout Groups and Wrap-Up <ul style="list-style-type: none"> • Breakout group meetings • Report back and wrap-up