

BCERP

14TH ANNUAL MEETING

NOVEMBER 7-8, 2019

ATLANTA, GA



BREAST CANCER AND THE ENVIRONMENT RESEARCH PROGRAM

Bringing Precision to the Future of Environmental Breast Cancer Research

Please join us for a transdisciplinary breast cancer prevention conference for the community, breast cancer advocates, epidemiologists, clinicians, communication researchers and basic scientists.

This scientific conference is **open to the public at no cost**.



KEYNOTE SPEAKER

Gwen Collman, PhD, Director, Division of Extramural Research & Training, *National Institute of Environmental Health Sciences (NIEHS)*

CO-CHAIRS

Joseph Jerry, University of Massachusetts-Amherst

Sallie Schneider, Baystate Medical Center

Anna Symington, University of Massachusetts-Amherst

Mia Gaudet, American Cancer Society

CALL FOR ABSTRACTS

For abstracts considered for a poster presentation, submissions are due by **Friday, August 30**.

Submit your abstract at <https://abstract.bcerp.org/form.php>

SESSION THEMES

- Myths, messages, and communicating uncertainty
- Interactions between environmental chemicals and inherited risk
- Addressing risk posed by mixtures of chemicals
- Environmental chemicals, metabolism and immune function and breast cancer risk

REGISTER

Learn more and register at **BCERP.org**

Visit <https://bcerp.org/annual-meeting-2019/> for the full meeting agenda

For questions, contact info@bcerp.org



Sponsored by the National Institute of Environmental Health Sciences and the National Cancer Institute, and coordinated by the University of Wisconsin-Madison.

Breast Cancer and the Environment Research Program 14th Annual Meeting

“Bringing Precision to the Future of Environment Breast Cancer Research”

The American Hotel, a Doubletree by Hilton, 160 Ted Turner Drive, NW, Atlanta, GA 30303

Thursday, November 7, 2019

Keynote Address

The BCERP legacy: windows of susceptibility to environmental risks of disease

Gwen Collman, PhD, Director, Extramural Research & Training, *National Institute of Environmental Health Sciences*

Session 1: Myths, messages, and communicating uncertainty

Chair: Anna G. Symington, *University of Massachusetts Amherst*

- Perceptions of the causes of breast cancer from video interviews
- Why me? Conversations with women newly diagnosed with breast cancer

Grace Makari Judson, *University of Massachusetts Medical School-Baystate*

- Communicating messages of risk reduction in diverse communities

Tabia Henry Akintobi, *Morehouse School of Medicine*

- Communicating BCERP Science from the Lens of Uncertainty Theories

Kami Silk, *University of Delaware*

Session 2: Interactions between environmental chemicals and inherited risk

Chair: James Shull, *University of Wisconsin*

- Using the diversity outbred mice to identify gene by environment interactions

Alison Harrill, *National Institute of Environmental Health Sciences*

- Detecting gene x environment interactions in population studies

Mia Gaudet, *American Cancer Society*

- Why genetic, environment, and epigenetic regulation matter to breast cancer risk

Rachel Miller, *Columbia University*

- On the need to consider both genetic and windows of susceptibility for environmental exposures and breast cancer risk with the specific example of PAHs

Mary Beth Terry, *Columbia University*

Poster Session

Session 3: Presentations from top rated abstracts

Chair: Jennifer Ohayon, *Silent Spring Institute*

Session 4: Retrospective look at the history of BCERP

Chair: Frank Biro, *Cincinnati Children's Hospital Medical Center*

Friday, November 8, 2019

Session 5: Addressing risk posed by mixtures of chemicals

Chair: Kristen Malecki, *University of Wisconsin*

- New methods for analyzing mixtures in population based research, Findings from the PRIME network

Mary Turyk, *University of Illinois at Chicago*

- Multiple exposures to chemicals with biologic persistence do influence the levels of some reproductive hormones during female puberty

Susan Pinney, *University of Cincinnati*

- Effects of estrogen, progesterone, and PBDEs on mammary gland structure after surgical menopause

Shiuan Chen, *Beckman Research Institute of the City of Hope*

- Multiple Chemical Exposures and Breast Cancer Risk, Findings from and the California Teacher's Study

Peggy Reynolds, *University of California San Francisco*

Session 6: Environmental chemicals, metabolism and immune function and breast cancer risk

Chairs: Mary Beth Martin, *Georgetown University* and Shiuan Chen, *Beckman Research Institute of the City of Hope*

- African ancestry and tumor immune responses leading to disparate clinical outcomes

Melissa Davis, *Weill Cornell Medical College*

- Endocrine disrupting chemicals and the immune system: a possible mechanism for facilitated cancer progression

Sallie Schneider, *Baystate Medical Center*

- How the breast environment may influence breast cancer risk

Karin Michels, *University of California, Los Angeles*

- Effect of exercise on metabolic syndrome in black women by family history and predicted risk of breast cancer: The FIERCE Study

Lucile Adams-Campbell, *Georgetown University Medical Center*