



**Breast Cancer and the Environment Research Program
12th Annual Meeting
“Translating Research into Action to Reduce Breast Cancer”**

DoubleTree by Hilton, 924 West Huntington Drive, Monrovia, CA 91016
November 16-17, 2017

Breast cancer is a complex disease with risk influenced by multiple genetic, environmental, hormonal, and behavioral factors acting simultaneously. This conference will focus on using scientific evidence to identify strategies that have potential to reduce risk of breast cancer involving personal actions and policy changes. All sessions will incorporate perspectives of both scientists and community partners.

Thursday, November 16, 2017 – Madera Ballroom

7:00-8:00 Registration

8:00-8:15 **Welcome and Introduction of Keynote Speaker**

Local Hosts: Shiu-an Chen, PhD, Susan Neuhausen, PhD and Michele Rakoff,
City of Hope

Abee L. Boyles, PhD, Program Director, Population Health Branch, *National Institute of Environmental Health Sciences*

Tram Kim Lam, PhD, MPH, Program Director, Environmental Epidemiology
Branch, *National Cancer Institute*

8:15-9:00 **Keynote Speaker: Breast Cancer and the Environment Research at NIEHS**

Linda S. Birnbaum, PhD, Director, *National Institute of Environmental Health Sciences and National Toxicology Program*

9:00-10:30 **Session 1: Windows of Susceptibility for Environmental Exposures**

Session Chair: Julia Brody, PhD, Executive Director and Senior Scientist, *Silent Spring Institute*

What Makes Puberty a Window of Susceptibility for Environmental Exposures?

Karin B. Michels, ScD, PhD, Professor and Chair, Department of Epidemiology,
University of California, Los Angeles (UCLA)

Window of Susceptibility for Environmental Exposures: Pregnancy

Rachel L. Miller, MD, Professor of Medicine (in Pediatrics) and Environmental
Health Sciences; Chief, Division of Pediatric Allergy, Immunology and
Rheumatology; Director, Allergy and Immunology Fellowship, *Columbia
University Medical Center*

Window of Susceptibility for Environmental Exposures: Menopause

Mia Gaudet, PhD, Strategic Director, Breast and Gynecologic Cancer Research,
American Cancer Society

10:30-10:45 Break

10:45-12:15 **Session 2: Community Contributions to Research and Public Policy**
Session Chair: Kami Silk, PhD, Associate Dean of Research and Director of Master's of Health Risk Communications, Professor, *Michigan State University*

Community Activism: How We Started and Our Involvement in Research and Public Policy

Michele Rakoff, Patient and Research Advocate, *Breast Cancer Care & Research Fund*

Community Powering California's Investment in Breast Cancer Research

Marion (Mhel) Kavanaugh-Lynch, MD, MPH, Director, California Breast Cancer Research Program, *University of California, Office of the President*

Breast Density "Inform" Efforts: History and How We Can All Help with Responsible Follow Through

Jiyon Lee, MD, Clinical Associate Professor of Radiology, *New York University, School of Medicine*

12:15-1:30 Lunch is provided

12:15-1:30 **Working with Advocates and Community Partners to Improve Research – Elan Meeting Room**

Lunchtime Professional Development Seminar for New Investigators and Junior Scientists (All are welcome.)

Seminar Chair: Kristen Malecki, PhD, MPH, Assistant Professor, Department of Population Health Sciences, School of Medicine and Public Health, *University of Wisconsin-Madison*

Panelists in this interactive workshop will provide practical advice and resources on how to identify partners, build and maintain relationships, and integrate community partners into all aspects of the research process.

1:30-3:20 **Session 3: Endocrine Disruptors**

Session Chair: Susan L. Neuhausen, PhD, The Morris and Horowitz Families Professor, Department of Population Sciences, *Beckman Research Institute of City of Hope*

PBDEs, Exposure and Biological Mechanisms

Shiuan Chen, PhD, The Lester M. and Irene C. Finkelstein Chair for Biology; Professor and Chair, Department of Cancer Biology, *Beckman Research Institute of City of Hope*

Persistent Effects of Pregnancy and Xenoestrogen Exposures in the Mammary Gland

Joseph Jerry, PhD, Professor, *University of Massachusetts-Amherst & Pioneer Valley Life Sciences Institute*

Preventing Breast Cancer in Our Daughters: a Community-Based Participatory Research Study of the Effect of Changing Personal Care Products on Healthy Human Breast Cells

Polly V. Marshall, JD, Executive Director, *Breast Cancer Over Time*

Perfluorooctanoate and Body Mass Index in Young Girls in the Greater Cincinnati and San Francisco Bay Area: It Changes as Girls Enter Puberty

Susan M. Pinney, PhD, Professor, Deputy Director of the Center for Environmental Genetics; Cancer Epidemiology Program Leader of the Cincinnati Cancer Center, Department of Environmental Health, College of Medicine, *University of Cincinnati*

3:20-3:30 Break

3:30-5:00 **Poster Session**
Light appetizers and cash bar

6:30-8:00 **Community Forum**
In conjunction with the BCERP Annual Meeting, Dr. Linda Birnbaum, Director of NIEHS, will host a community forum for the public at the Cooper Auditorium at City of Hope, 1500 East Duarte Road, Duarte, CA 91010. Attendees at the BCERP Annual Meeting are welcome to attend the Forum.

Friday, November 17, 2017 – Madera Ballroom

8:00-8:30 Registration

8:30-10:00 **Session 4: Breast Architecture and Density**
Chair: Ron Johnson, PhD, Program Director, DNA and Chromosome Aberrations Branch, Division of Cancer Biology, *National Cancer Institute*

Exploring the Human Breast

Susan Love, MD, Chief Visionary Officer, *Dr. Susan Love Research Foundation*

Role of the Microenvironment in Aging and Breast Cancer

Mark LaBarge, PhD, Professor, Department of Population Sciences, *City of Hope*

How Breast Density Fits into Our Understanding of Breast Cancer Risk

Celia Byrne, PhD, Associate Professor, Preventive Medicine & Biostatistics, *Uniformed Services University of the Health Sciences*

10:00-10:15 Break

10:15-11:45 **Session 5: Breast Cancer Prevention and Lifestyle Risk Factors**
Session Chair: Amy Trentham-Dietz, MS, PhD, Professor, Population Health Sciences; Co-Leader, Cancer Prevention and Control Program, Carbone Cancer Center, School of Medicine and Public Health, *University of Wisconsin-Madison*

Complex Etiological Factors in Breast Cancer

Robert Hiatt, MD, PhD, Professor, Department of Epidemiology & Biostatistics; Associate Director for Population Science, Helen Diller Family Comprehensive Cancer Center, *University of California, San Francisco*

Breast Adipose Inflammation: a Silent Killer

Andrew J. Dannenberg, MD, Professor of Medicine, *Weill Cornell Medicine*

Internet-based Personalized Cancer Risk Assessment Tools: Opportunities and Pitfalls

Erika A. Waters, PhD, MPH, Associate Professor, *Washington University in St. Louis*

11:45-12:45 **Session 6: Breaking Research**

Session Chair: Richard Schwartz, PhD, Professor, Department of Microbiology and Molecular Genetics, *Michigan State University*

Faster Ticking Rate of the Epigenetic Clock is Associated with Faster Pubertal Development in Girls

Alexandra Binder, ScD, MS, Assistant Professor, *University of California, Los Angeles (UCLA)*

Alteration of Mammary Gland Development and Gene Expression by In Utero Exposure to Cadmium

Mary Beth Martin, PhD, Professor, *Georgetown University*

The Effect of Oxybenzone on Development of Mammary Cancer in Trp53-null Transplanted Balb/c Mice Exposed to a High Animal Fat Diet During Puberty

Anastasia Kariagina, PhD, Assistant Professor, *Michigan State University*

Increasing Access to Environmental Health Knowledge Through Smartphone Results Reports

Katherine Boronow, MS, Staff Scientist, *Silent Spring Institute*

12:45-12:50 **Closing Remarks**

Tram Kim Lam and Abee L. Boyles
Shiuan Chen and Susan Neuhausen