

# Breast Cancer and the Environment Research Program 12th Annual Meeting

“Translating Research into Action to Reduce Breast Cancer”



A Program Supported by

National Institute of Environmental Health Sciences (NIEHS)  
National Cancer Institute (NCI)

Nov. 16 -17, 2017

DoubleTree by Hilton  
Monrovia, CA

# Meeting Agenda

Thursday, Nov. 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*

# Meeting Agenda

Thursday, Nov. 16, 2017 (Cont.) - Madera Ballroom

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**

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.

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Friday, Nov. 17, 2017 - Madera Ballroom

8:00-8:30 Registration

8:30-10:00 **Session 4: Breast Architecture and Density**

Session 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 (UCSF)*

**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*

# Meeting Agenda

Friday, Nov. 17, 2017 (Cont.) - Madera Ballroom

11:45-12:45 **Session 6: Breaking research (Cont.)**

**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