

GLBC
2016

A fluorescence microscopy image of several cells. The nuclei are stained blue, the cytoplasm is green, and the cytoskeleton is stained red. The cells are spread out, showing their morphology and internal structure.

2nd Great Lakes BREAST CANCER Symposium

September 8-10, 2016
UPMC Cancer Pavilion, UPCI
Pittsburgh, Pennsylvania

Welcome

We are pleased to invite you to attend the 2nd Great Lakes Breast Cancer (GLBC) Symposium on Thursday, September 8 through Saturday, September 10, 2016. The event will be held at the Herberman Conference Center at UPMC Cancer Pavilion in Shadyside, Pittsburgh, PA.

The GLBC Symposium is made possible through collaboration between the University of Pittsburgh Cancer Institute (UPCI), the Case Comprehensive Cancer Center (CCCC), and The Ohio State University (OSU) Comprehensive Cancer Center (James Cancer Hospital and Solove Research Institute). The GLBC Symposium is sponsored by the University of Pittsburgh Cancer Institute (UPCI) and University of Pittsburgh School of Medicine Center for Continuing Education in the Health Sciences.

The 2016 GLBC Symposium focuses on various topics of importance and relevance to researchers, clinicians, and advocates who are interested in breast cancer research and clinical trials, and aim to increase collaboration between these three cancer centers in the area of breast cancer research and clinical trials. A keynote talk will be given by Dr. Joyce Slingerland from the University of Miami Health System.

We very much look forward to your attendance and participation in this meeting, and we especially encourage you to bring students and fellows.

Best Regards,

The GLBC Symposium Organizing Committee

Agenda

Thursday, September 8, 2016

UPMC Cancer Pavilion, 2nd Floor

5150 Centre Avenue – Herberman Conference Center

2:00 pm - 2:30 pm: Overview: Steffi Oesterreich, PhD, Moderator

2:30 pm - 3:00 pm: Nancy Davidson, MD (Pitt); *Breast Cancer and the Cancer Moonshot*

3:00 pm - 4:40 pm: Session I: Breast Cancer Development – I

CHAIR: Priscilla McAuliffe, MD (Pitt)

3:00-3:20 Ofer Reizes, PhD (CCCC); *An unexpected partnership between connexin-26 and the pluripotency gene NANOG drive cancer stem cell self-renewal and tumor progression*

3:20-3:40 Mei Zhang, PhD (Pitt); *Intratumoral heterogeneity and cooperation of cancer cells in breast cancer*

3:40-4:00 Cassie Moyer, BS (OSU); *Crosslink repair deficiency and inherited risk for breast cancer (T)*

4:00-4:20 John Skoko, PhD (Pitt); *Redox regulation of DNA repair proteins (T)*

4:20-4:40 Jeff Parvin, MD, PhD (OSU); *Analysis of BRCA1 variants in DNA double-strand break repair*

4:40 pm - 5:00 pm: Speed-dating Session I (3-minute trainee talks on emerging topics in breast cancer)

CHAIR: David Boone, PhD (Pitt)

Andrea Patterson, BS (OSU)

Nathaniel Braman, MS (CCCC)

Nicholas Smith, BS (Pitt)

Safiya Khurshid, PhD (OSU)

Shaojuan Zhang, PhD (Pitt)

5:00 pm - 6:00 pm:

Keynote Talk: Joyce Slingerland, MD, PhD, FRCP(C), University of Miami Health System; *The Jekyll and Hyde of p27: new tales of a Cdk-inhibitor gone wrong in cancer*

6:00 pm: Adjournment

6:30 pm: Dinner

Friday, September 9, 2016
UPMC Cancer Pavilion, 2nd Floor
5150 Centre Avenue – Herberman Conference Center

7:00 am - 8:00 am: Breakfast

8:00 am - 9:40 am: Session II: Cancer Immunology: Basic Science and Therapeutic Strategies
CHAIR: Craig Burd, PhD (OSU)

8:00-8:20 Ramesh Ganju, PhD (OSU); *Pro and anti-inflammatory mechanisms regulating tumor-stroma interactions in breast cancer*

8:20-8:40 Vinay Varadan, PhD (CCCC); *Immune signatures in HER2-positive breast cancer*

8:40-9:00 Robert Wesolowski, MD (OSU); *Development of early phase clinical trials testing immune therapy in breast cancer*

9:00-9:20 Andrea Doseff, PhD (OSU); *Dietary flavonoids inhibit breast tumor development and metastasis by restoring immune surveillance and rewiring splicing*

9:20-9:40 Dario Palmieri, PhD (OSU); *Novel anti-NCL immunoreagents for breast cancer diagnosis and therapy (T)*

9:40 am - 10:00 am: Coffee Break

10:00 am - 10:15 am: Group Photo

10:20 am - 12:00 pm: Session III: Microenvironment and Metastasis
CHAIR: Mark Jackson, PhD (CCCC)

10:20-10:40 Alan Wells, DMSc, MD (Pitt); *Dormancy and emergence in metastatic niche*

10:40-11:00 Gina Sizemore, PhD (OSU); *Deciphering the role of fibroblasts in breast cancer growth and metastasis (T)*

11:00-11:20 Alex Gooding (CCCC); *BORG: Role for a novel lncRNA in mediating breast cancer metastasis and dormancy (T)*

11:20-11:40 Richard Steinman, MD, PhD (Pitt); *Microenvironmental factors in metastasis*

11:40-12:00 Hannah Wang, BS (CCCC); *Microbiome in breast cancer (T)*

12:00 pm - 2:00 pm: Lunch and Poster Session

2:00 pm - 3:40 pm: Session IV: Breast Cancer Imaging and Therapy
CHAIR: Jose Bazon, MD (OSU)

2:00-2:20 Anant Madabushi, PhD (CCCC); *Radio-path-omics convergence for improved characterization and prognosis of breast cancer*

2:20-2:40 Jose G. Bazon, MD (OSU); *Oligometastatic breast cancer/radiation therapy*

2:40-3:00 Shandong Wu, PhD (Pitt); *Quantitative breast MRI biomarkers for risk assessment*

3:00-3:20 Kay Huebner, PhD (OSU); *Role of Wwox in response of breast cancer cells to ionizing radiation*

3:20-3:40 Nicole Steinmetz, PhD (CCCC); *From molecular farming to molecular medicine: Cancer imaging and immunotherapy*

3:40 pm - 4:00 pm: Speed-dating Session II (3-minute trainee talks on emerging topics in breast cancer)

CHAIR: Gina Sizemore, PhD (OSU)

Morgan Schrock, DVM (OSU)

Darcie Seachrist, BS (CCCC)

David Gau, BS (Pitt)

Caroline Farrington, BA (CCCC)

James Dowdle, PhD (OSU)

4:00 pm - 4:20 pm: Coffee Break

4:20 pm - 6:20 pm: Breast Cancer Advocacy Session

Carola Neumann, MD, Moderator

6:20 pm: Adjournment

6:00 pm - 7:30 pm: Dinner, Poster Session

Saturday, September 10, 2016

**Hillman Cancer Research Center and Outpatient Pavilion, 1st Floor
5115 Centre Avenue – Cooper Conference Centre**

7:00 am - 8:00 am: Breakfast

8:00 am - 9:40 am: Session V: Breast Cancer Development – II

CHAIR: Ofer Reizes, PhD (CCCC)

8:00-8:20 Yong Wan, PhD (Pitt); *Regulation of XIAP turnover reveals a tissue-specific role of USP11 in breast cancer development*

8:20-8:40 Craig Burd, PhD (OSU); *Defining mammary gland susceptibility to early life BPA exposure*

8:40-9:00 Cheryl Thompson, PhD (CCCC); *Sleep Duration and Breast Cancer Aggressiveness*

9:00-9:20 Jia-Ying Lloyd Lee, MS (Pitt); *Molecular pathogenesis of AGTR1-positive breast cancer (T)*

9:20-9:40 Jennifer Brancato (CCCC); *BET protein inhibition blocks growth of triple-negative breast cancer by inducing mitotic catastrophe (T)*

9:40 am - 10:00 am: Speed-dating Session III (3-minute trainee talks on emerging topics in breast cancer)

CHAIR: Bryan Webb, BA (CCCC)
Anisha Mathur Hammer, BE (OSU)
Alyssa La Belle, BS (CCCC)
Su Hyeong Kim, PhD (Pitt)
Courtney Bartell, BA (CCCC)
David Gau, BS (Pitt)

10:00 am - 10:20 am: Coffee Break

10:20 am - 12:00 pm: Session VI: Hormone-dependent and -Independent Breast Cancer

CHAIR: Shannon Puhula, MD (Pitt)

10:20-10:40 Yi Huang, MD, PhD (Pitt); *Targeting crosstalk between epigenetic modifiers in breast cancer*

10:40-11:00 Monico Montano, PhD (CCCC); *Developing HEXIM1 inducers for the treatment of aggressive breast cancers*

11:00-11:20 Rachel Jankowitz, MD (Pitt); *A trial of endocrine response in women with invasive lobular carcinoma*

11:20-11:40 Mohamed Abazeed, MD, PhD (CCCC); *Targeting the Achilles shield of TNBC by androgen blockade (T)*

11:40-12:00 Rebecca Watters, PhD (Pitt); *Role of the ER co-activator SRC-1 in normal bone biology and breast cancer bone metastasis (T)*

12:00 pm - 12:20 pm: Award Presentation, Wrap-up

12:20 pm: Adjournment

(T): Trainee

Keynote Speaker

Joyce M. Slingerland, MD, PhD, FRCP(C)

Professor of Medicine

Director, Braman Family Breast Cancer Institute

Associate Director for Translational Research

Sylvester Comprehensive Cancer Center

Miami, FL

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