

UPMC Hillman Cancer Center 34th Annual Scientific Retreat Agenda

October 6 & 7, 2022

The Assembly Building

THURSDAY, OCTOBER 6

****All events take place in the Auditorium unless otherwise noted****

- 11:00 am - 12:00 pm** Check-in / Main Entrance Lobby
- 11:00 am - 12:00 pm** **Boxed Lunches available**
Poster Set-up / First Floor Atrium
All posters must be set up by 12:00 pm
 All posters must be removed by 7:00 pm
- 12:00 pm - 1:00 pm** **Eberly Distinguished Lectureship in Immunology**
Innate Immune Receptors: New Roles in Inflammation, Cancer and Microbiota
Jenny P-Y Ting, PhD
 William Rand Kenan Professor of Genetics, Microbiology and Immunology; Immunology Program Leader, Lineberger Comprehensive Cancer Center; Director, Center for Translational Immunology, University of North Carolina
- 1:15 pm - 1:45 pm** **Welcome and Director's Overview**
Robert L. Ferris, MD, PhD
 Director, UPMC Hillman Cancer Center; Hillman Professor of Oncology; Associate Vice Chancellor for Cancer Research; Professor of Otolaryngology, Immunology and Radiation Oncology
- 1:50 pm - 2:30 pm** **Research Program / Abstract Talks**
- 1:50 pm - 2:00 pm** **Biobehavioral Cancer Control Program**
Tara Davis, Dept of Health Promotion & Development (Nursing)
Oxidative Stress and DNA Repair Genetic Variability and Gene Risk Models for Pre-Treatment Cancer-Related Fatigue in Women with Early-Stage Breast Cancer
- 2:05 pm - 2:15 pm** **Cancer Epidemiology and Prevention Program**
Benjamin Warner, Dept of Epidemiology
Serological profiling using an Epstein-Barr virus mammalian expression library identifies EBNA1 IgA as a pre-diagnostic marker for nasopharyngeal carcinoma
- 2:20 pm - 2:30 pm** **Cancer Virology Program**
Xiaoyang Yu, Dept of Microbiology and Molecular Genetics
Screening of an epigenetic compound library identifies BRD4 as a potential antiviral target for hepatitis B virus covalently closed circular DNA transcription
- 2:30 pm - 2:50 pm** **BREAK**
- 2:50 pm - 3:35 pm** **Faculty Focus on Population Science: How does population science inform basic and clinical research?**
- 2:50 pm - 3:10 pm** **An update on the epidemiology of cancer in western PA**
Kathryn Demanelis, PhD
 Research Assistant Professor of Medicine
- 3:15 pm - 3:35 pm** **Does aerobic exercise improve cognitive function in women with breast cancer?**
Catherine Bender, PhD, RN, FAAN
 Professor of Health and Community Systems
- 3:40 pm - 4:20 pm** **Maryann Donovan, PhD, MPH Lectureship**
Cancer through the lens of precision environmental health
Maureen Lichtveld, MD, MPH
 Dean, Graduate School of Public Health
 Jonas Salk Professor of Population Health
 Professor of Environmental and Occupational Health
 University of Pittsburgh
- 4:25 pm - 5:25 pm** **Poster Session I (ODD numbers) and Poster Judging**
Note: All Session I poster presenters should be at their posters during this session
All posters must be removed by 7:00 pm
- 5:00 pm - 7:00 pm** **Reception (hors d'oeuvres, wine/beer)**

FRIDAY, OCTOBER 7

****All events take place in the Auditorium unless otherwise noted****

- 8:00 am - 8:30 am** Check-in / Main Entrance Lobby
- 8:00 am - 8:30 am** **Continental Breakfast / Atrium**
Poster Set-up / First Floor Atrium
All posters must be set up by 9:00 am
 All posters must be removed by 7:00 pm
- 8:35 am - 9:30 am** **Research Program / Abstract Talks**
- 8:35 am - 8:45 am** **Cancer Biology Program**
Taylor Gatesman, Dept of Neurosurgery
Leveraging novel genetically engineered mouse models to identify synergistic therapies in gliomas
- 8:50 am - 9:00 am** **Cancer Immunology and Immunotherapy Program**
Feng Shan, Dept of Immunology
Integrated BATF transcriptional network regulates suppressive intratumoral regulatory T cells
- 9:05 am - 9:15 am** **Cancer Therapeutics Program**
Sherry Shu, Dept of Microbiology and Molecular Genetics
Constitutive Activation of the Src-family kinase Fgr Facilitates the Development of Acute Myeloid Leukemia in a Mouse Model
- 9:20 am - 9:30 am** **Genome Stability Program**
Poulomi Nath, Dept of Pharmacology and Chemical Biology
The role of ectopic CENP-A in pancreatic tumor formation and/or progression
- 9:30 am - 10:00 am** **BREAK**
- 10:00 am - 11:40 am** **Shark Tank Presentations**
- 10:00 am - 10:20 am** **Extracorporeal brain perfusion towards first human electrocorticography model system**
Pascal Zinn, MD, PhD
 Assistant Professor of Neurological Surgery
- 10:25 am - 10:45 am** **Commercialization of a web-based stepped collaborative care intervention for patients with comorbid cancer and depression**
Jennifer Steel, PhD
 Professor of Surgery, Psychiatry, and Psychology
- 10:50 am - 11:10 am** **Antibody based therapy targeting FST for chemo and immunology**
Ronald Buckanovich, MD, PhD
 Professor of Medicine, Division of Hematology/Oncology
- 11:15 am - 11:35 am** **A novel homologous recombination inhibitor with DNA damaging agents in primary and brain metastatic TNBC**
Carola Neumann, MD
 Associate Professor of Pharmacology & Chemical Biology
- 11:40 am - 1:00 pm** **Lunch / Atrium**
- 12:00 pm - 1:00 pm** **Poster Session II (EVEN numbers) and Poster Judging**
Note: All Session II poster presenters should be at their posters during this session
All posters must be removed by 7:00 pm

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FRIDAY, OCTOBER 7

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1:00 pm - 1:50 pm Faculty Focus on Basic Science: How fundamental research leads to translational outcomes

1:00 pm - 1:20 pm **Ewing sarcoma: Uncovering therapeutic opportunities in tumor subgroups**
Kelly Bailey, MD, PhD
 Assistant Professor of Pediatrics

1:25 pm - 1:45 pm **Military respiratory exposures and lung cancer: The role of chronic macrophage-mediated inflammation**
Adam Soloff, PhD
 Assistant Professor of Cardiothoracic Surgery

1:50 pm - 2:35 pm **Ronald B. Herberman, MD Lectureship**
Prostate Cancer Susceptibility: Translating Genetic Discoveries to the Clinic
Kathleen A. Cooney, MD, MACP
 George Barth Geller Distinguished Professor of Medicine Chair, Department of Medicine
 Duke University School of Medicine

2:40 pm - 3:30 pm **Disease Focus Breakout Groups I**
Conf Rm Disease: Basic Leader / Clin Leader 1 / Clin Leader 2
 Lower Atrium Breast: Leisha Emens, MD / Shannon Puhalla, MD / Gauri Kiefer, MD
 B1610 GI: Lin Zhang, PhD / Vik Gorantla, MD / Chris Marsh, MD
 2001 H&N: Umamaheswar Duvvuri, MD, PhD / Zahra Kelly, DO / Nishant Tageja, MD
 2040 Melanoma: Diwakar Davar, MD / na / na

Mentoring Session I: Resilience in Science (Conf Rm G040)
Facilitators: Jan Beumer, PharmD, PhD, Professor of Pharmaceutical Sciences, and Nadine Hempel, PhD, Associate Professor of Medicine

3:35 pm - 4:25 pm **Disease Focus Breakout Groups II**
Conf Rm Disease: Basic Leader / Clin Leader 1 / Clin Leader 2
 Lower Atrium Thoracic: Tim Burns, MD, PhD / Dan Petro, MD / Frank Viverette, MD
 B1610 Heme: Warren Shlomchik, MD / Jing Zhou-Hou, MD, PD / Gaurav Goel, MD
 2001 GU: Zhou Wang, PhD / Jason Bierenbaum, MD / David Friedland, MD
 2040 Gyn: Ron Buckanovich, MD, PhD / Terry Evans, MD / na

Mentoring Session II: Setting up a Lab (Conf Rm G040)
Facilitators: Elise Fouquerel, PhD, Assistant Professor of Pharmacology & Chemical Biology, and Abby Overacre-Delgoffe, PhD, Assistant Professor of Immunology

4:30 pm - 5:00 pm **Richards Auditorium Dedication**
 Presented by Robert L. Ferris, MD, PhD

5:00 pm - 7:00 pm **Reception (hors d'oeuvres, wine/beer)**

Poster Awards Presentation

Junior Scholar Awards Presentation

Shark Tank Winner Presentation