

# AGENDA

**Sunday, September 10, 2023**

- REGISTRATION, COLLABORATION, LUNCH, AND VISIT WITH VENDORS**
- WELCOME AND OVERVIEW**  
*Hannah Hazard-Jenkins, MD*  
Director, WVU Cancer Institute
- SESSION 1: RISK FACTORS, OUTCOMES, AND SURVIVORSHIP**  
Session Chairs:  
Daniel Stover, MD, The James, The Ohio State University Comprehensive Cancer Center  
Michael Ruppert, MD, PhD, WVU Cancer Institute  
Advocate: Carol Glock
- PROs And Functional Measures: Measuring What Matters In Translating Research To Practice**  
*Nicole Stout, DPT, FAPTA*  
WVU Cancer Institute
- Targeting Muscle Fatigue In Breast Cancer With The PPAR<sub>γ</sub>-Agonist Pioglitazone**  
*Ed Pistilli, PhD*  
WVU Cancer Institute
- 2:40 PM Overcoming Neratinib Recurrence To Increase Survival**  
*Yehnew Agazie, DVM, PhD*  
WVU Cancer Institute
- 3:00 PM Triple Negative Low Proliferation (TNLP) Tumors**  
*Rohit Bhargava, MD*  
UPMC Hillman Cancer Center
- 3:20 PM A Novel Class Of RNR Inhibitors That Induces Genomic Instability And Breast Cancer Cell Death Without Inducing Overt Toxicities**  
*Taylor Baker*  
Case Comprehensive Cancer Center 
- 3:30 PM Spatial Profiling Of Mixed Invasive Ductal-Lobular Carcinoma Reveals Intrinsic Molecular Subtype and Oncogenic Signaling Heterogeneity**  
*Osama Shiraz Shah*  
UPMC Hillman Cancer Center 
- 3:40 PM BREAK, COLLABORATION, AND VISIT WITH VENDORS**
- 4:00 PM Advocate Presentations And Panel Discussions: Therapeutic Challenges**  
Session Chair: Steffi Oesterreich, PhD, UPMC Hillman Cancer Center
- Psycho-Social Aspects Of A Breast Cancer Diagnosis And Treatment, And Beyond**  
Kathleen Ashton, PhD, ABPP
- Clinical Trials**  
Pricilla McAuliffe, MD, PhD
- The Voice Of A Breast Cancer Survivor**  
Carol Glock
- 5:15 PM PLENARY SPEAKER: Improving Treatment Of Cancer By Normalizing The Tumor Microenvironment: Bench To Bedside And Back**  
*Rakesh Jain, PhD* Harvard Cancer Center  
Introduction: Ioannis Zervantonakis, PhD, UPMC Hillman Cancer Center
- 6:15 PM POSTER SESSION**
- 7:15 PM DINNER**

# AGENDA

Monday, September 11, 2023

- 7:00 AM** REGISTRATION, COLLABORATION, BREAKFAST, VISIT POSTERS, ROUND TABLE DISCUSSIONS
- 7:55 AM** OPENING REMARKS
- 8:00 AM** **SESSION 2: TUMOR CELL BIOLOGY**  
Session Chairs:  
Ruth Keri, PhD, Case Comprehensive Cancer Center  
Ioannis Zervantonakis, PhD, UPMC Hillman Cancer Center  
Advocate: Carol Holmes
- 8:00 AM** **Interactions With The Microenvironment Directs Epithelial Cell Fate In BRCA1/2 Mutation Carriers**  
*Mihriban Karaayvaz, PhD*  
Case Comprehensive Cancer Center
- 8:20 AM** **New Mechanisms Of EZH2 In Triple Negative Breast Cancer Metastasis And Paths To Clinical Translation**  
*Celina Kleer, MD*  
Rogel Cancer Center
- 8:40 AM** **USP37 And Replication Stress In Breast Cancer**  
*Matthew Summers, PhD*  
The James, The Ohio State University Comprehensive Cancer Center
- 9:00 AM** BREAK, COLLABORATION, VISIT POSTERS, AND VISIT WITH VENDORS
- 9:15 AM** **Breast Cancer Risk Begins In The Womb: The Impact Of Life Estrogenic Exposure On Mammary Gland Reprogramming**  
*Craig Burd, PhD*  
The James, The Ohio State University Comprehensive Cancer Center
- 9:35 AM** **Extracellular Vesicles Regulate The Fate Of Breast Cancer Cells In The Liver Metastatic Niche**  
*Amanda Clark, PhD*  
UPMC Hillman Cancer Center
- 9:55 AM** **Myocardin-Related Transcription Factor Activity In Breast Cancer Cells Promotes Osteoclast Differentiation And Bone Colonization In A Paracrine Signaling Manner**  
*Pooja Chawla*  
UPMC Hillman Cancer Center
- 10:05 AM** **The Role of KAP1 In HIF1B Transcription And Breast Cancer Metastasis**  
*Abha Maskey*  
WVU Cancer Institute
- 10:15 AM** BREAK AND GROUP PHOTO
- 10:30 AM** **SESSION 3: IMMUNE EVASION AND IMMUNO-ONCOLOGY**  
Session Chair:  
Elena Pugacheva, PhD, WVU Cancer Institute  
Steffi Oesterreich, PhD, UPMC Hillman Cancer Center  
Advocate: pending
- 10:30 AM** **Expanding Immunotherapy In Breast Cancer: The Next Frontier**  
*Margaret Gatti-Mays, MD, MPH*  
The James, The Ohio State University Comprehensive Cancer Center



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**Monday, September 11, 2023**

- 10:50 AM** **Rule-Based Modeling Of How Oncogenic Gene Expression Locally Alters Heterocellular Networks**  
*David Klinke, PhD*  
WVU Cancer Institute
- 11:10 AM** **Harnessing The Pro-Immunogenic Effects Of Cancer Cell-Targeting Drugs To Treat Immune-Cold Tumors**  
*Anna Vilgelm, MD, PhD*  
The James, The Ohio State University Comprehensive Cancer Center
- 11:30 AM** **LUNCH, COLLABORATION, VISIT POSTERS, AND VISIT WITH VENDORS**
- 12:30 PM** **Leveraging KDM5B-HEXIM1 Cross-Talk To Enhance Immune Surveillance In TNBC**  
*Monica Montano, PhD*  
Case Comprehensive Cancer Center
- 12:50 PM** **“Eph”ective Control Of Immune Evasion In Triple Negative Breast Cancer**  
*Bingcheng Wang, PhD*  
Case Comprehensive Cancer Center
- 1:10 PM** **Characterizing The RoleOf Toll-Like Receptor 3 In Triple Negative Breast Cancer Progression**  
*Noah M. Chernosky*  
Case Comprehensive Cancer Center
- 1:20 PM** **Myosin II Mediated Collagen Matrix Remodeling By BreastCancer Cells Promotes Macrophage Recruitment**  
*Youngbin Cho*  
UPMC Hillman Cancer Center
- 1:30 PM** **BREAK, COLLABORATION, VISIT POSTERS, ANDVISIT WITH VENDORS**
- 1:45 PM** **ONGOING CLINICAL TRIALSAND OPPORTUNITIES FOR JOINT EFFORT**  
Session Chairs:  
Dionisia Quiroga, DO, PhD, The James, The Ohio State University Comprehensive Cancer Center; Aki Morikawa, MD PhD, Rogel Cancer Center
- 2:45 PM** **BREAK, COLLABORATION, VISIT POSTERS, ANDVISIT WITH VENDORS**
- 3:00 PM** **SESSION 4: CANCER BIOMARKERS, RESPONSE PREDICTION, AND PROGNOSIS** Session Chairs:  
Partha Roy, PhD, UPMC Hillman Cancer Center  
Sofia Merajver, MD, PhD, Rogel Cancer Center  
Advocate: Ruth Freedman
- 3:00 PM** **Multidimensional Single-Cell AnalysisWith MachineLearning ForCancer Precision Medicine**  
*Yu-Chih Chen, PhD*  
UPMC Hillman Cancer Center
- 3:20 PM** **Systems Biology Of Brain Metastasis**  
*Sofia Merajver, MD, PhD*  
Rogel Cancer Center
- 3:40 PM** **The Evolution Of Risk Stratification In Breast Cancer Radiotherapy**  
*Chirag Shah, MD*  
Case Comprehensive Cancer Center



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**Monday, September 11, 2023**

- 4:00 PM** BREAK, COLLABORATION, VISIT POSTERS, AND VISIT WITH VENDORS
- 4:15 PM** **Impact Of Low Hormone Receptor Expression In Early-Stage HER2-Negative Breast Cancer On Treatment Response And Patterns Of Care**  
*Dionisia Quiroga, DO, PhD*  
The James, The Ohio State University Comprehensive Cancer Center
- 4:35 PM** **Novel Strategies To Improve Radiation Efficacy For Women With Aggressive Forms Of Breast Cancer: Biologically Informed Clinical Trial Design**  
*Corey Speers, MD, PhD*  
Rogel Cancer Center
- 4:55 PM** **Bioengineered Microsystems Coupled With High-Resolution Microscopy To Delineate Dormancy Signatures In Invasive Lobular Carcinoma**  
*Xilal Y. Rima*  
The James, The Ohio State University, Comprehensive Cancer Center
- 5:05 PM** **The Ral GTPases Regulate The TNBC Secretome To Drive Growth And Metastasis**  
*Jonathan Spehar*  
The James, The Ohio State University, Comprehensive Cancer Center
- 5:15 PM** **SCIENTIFIC COLLABORATIONS: OPPORTUNITIES AND OBSTACLES**  
Session Chairs:  
Sofia Merajver, MD, PhD, Rogel Cancer Center  
Gina Sizemore, PhD, The James, The Ohio State University Comprehensive Cancer Center
- 6:15 PM** DINNER



**Tuesday, September 12, 2023**

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- 7:00 AM** REGISTRATION, BREAKFAST, ROUND TABLE DISCUSSIONS, VISIT WITH VENDORS
- 7:55 AM** OPENING REMARKS
- 8:00 AM** **KEYNOTE SPEAKER: Early Dissemination, Cancer Dormancy, And Metastatic Recurrence In Breast Cancer**  
*Julio A. Aguirre-Ghiso, PhD* Albert Einstein College of Medicine  
Introduction: Partha Roy, PhD, UPMC Hillman Cancer Center
- 9:00 AM** BREAK, COLLABORATION, VISIT POSTERS, AND VISIT WITH VENDORS
- 9:15 AM** **SESSION 5: MOLECULARLY-TARGETED DIAGNOSTIC AND THERAPEUTICS**  
Session Chairs:  
Khalid Sossey-Alaoui, PhD, Case Comprehensive Cancer Center  
Steven Sizemore, PhD, The James, The Ohio State University Comprehensive Cancer Center  
Center Advocate: Janice Axelrod
- 9:15 AM** **Discovering Biomarkers Of Drug Response And Resistance In Breast Cancer**  
*Nathan Merrill, PhD*  
Rogel Cancer Center

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**Tuesday, September 12, 2023**

- 9:35 AM** Tumor Targeted Nano-Encapsulated Manganese Oxide (NEMO) Particles For Enhanced Breast Cancer Detection Using MRI  
*Maggie Bennewitz, PhD*  
WVU Cancer Institute
- 9:55 AM** Invasive Lobular Breast Cancer—The Most Common Special Breast Cancer Subtype  
*Steffi Oesterreich, PhD*  
UPMC Hillman Cancer Center  
A Randomized Translation Phase II Study of Neoadjuvant Therapy Of Invasive Lobular Breast Cancer  
*Charles E. Geyer, Jr., MD*  
NSABP Foundation
- 10:25 AM** BREAK, COLLABORATION, VISIT POSTERS, AND VISIT WITH VENDORS
- 10:50 AM** BETting On Cancer Stem Cells: BET Protein Degradation In Breast Cancer  
*Monika Burness, MD*  
Rogel Cancer Center
- 11:10 AM** Optimizing Precision Medicine In Breast Cancer Brain Metastases  
*Aki Morikawa, MD PhD*  
Rogel Cancer Center
- 11:30 AM** The YB1-Mediated Therapeutic Targeting Of Triple Negative Breast Cancer Tumors  
*Lamyae El Khalki*  
Case Comprehensive Cancer Center
- 11:40 AM** Isoform-Specific Roles Of Phosphofructokinase-1 In Cancer Cell Proliferation And Migration  
*Heather L. Hansen*  
WVU Cancer Institute
- 11:50 AM** LUNCH AND AWARDS PRESENTATION
- 12:30 PM** CLOSING REMARKS AND OPPORTUNITIES FOR COLLABORATION  
Session Chairs:  
Ruth Keri, PhD, Case Comprehensive Cancer Center  
Ed Pistilli, PhD, WVU Cancer Institute



- denotes Trainee Presentation

