



## Eleventh Annual

# Cancer Research Day

**The Morris Inn at the University of Notre Dame**

### Schedule:

9:00am – 1:00pm **Poster Session**

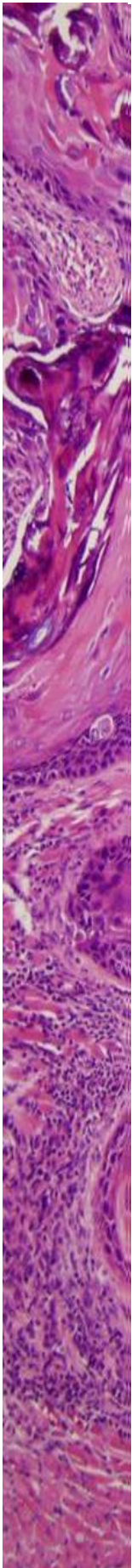
1:15pm – 3:00pm **Trainee Oral Presentations**

Session I moderated by James Schofield

- 1:15pm **Christina Troll** (White), *"Cellular Protrusion Dynamics and Migration Driven by Increased Intracellular pH"*
- 1:35pm **Koryn Isa** (Hilliard), *"Age Mediates Malignant Peritoneal Mesothelioma Metastasis and the Peritoneal Microenvironment"*
- 1:55pm **Marycruz Flores-Flores** (Zartman/Marcos), *"Characterization of Cell Recruitment Mechanism Driven by Vestigial in the Imaginal Wing Disc of Drosophila Melanogaster"*
- 2:15pm **George Gray** (Baker), *"Characterizing and Quantifying T cell Receptor Cross-reactivity"*
- 2:35pm **Nalin Maniya** (H. Chang) *"A Quantitative Immuno-Assay Liquid Biopsy Platform for Extracellular Vesicles with an Anion-Exchange Membrane Sensor"*  
*- Carmichael Dining Room, The Morris Inn*

Session II moderated by Jensen Amens

- 1:15pm **Sarah Nano** (Nieber), *"Osteocyte And Osteoblast Paracrine Effects on Cancer Proliferation in 3D Bone Mimetic Cultures"*
- 1:35pm **Jun Yang** (Zorlutuna), *"3D Age-Related Breast Cancer Model with Mouse Extracted Collagen for Drug Screening"*
- 1:55pm **Leah Lund** (White), *"Characterizing Cancer Specific Intracellular pH Dynamics during Tumor Microenvironment Stiffening and Metastasis"*
- 2:15pm **Daniel Montes-Pinzon** (Hanjaya-Putra), *"Development of a High-Throughput Drug Screening Platform Via Pipetting Gel Droplet Micro-Organoids Models"*
- 2:35pm **Reihaneh Safaviso** (Stack), *"Roles of Extracellular Vesicles in the Aging Microenvironment and Epithelial Ovarian Cancer Progression: Cell Adhesion and Proteome Profiling"*  
*- Joyce Dining Room, The Morris Inn*



Session III moderated by Alicia Wei

- 1:15pm **Michelle Lee** (Awasthi), *“Enhancing Nanoparticle-based Chemotherapy Response by a Dual AKT and ERK Pathway Inhibitor in Gastric Cancer Preclinical Models”*
- 1:35pm **Olivia Sanders** (Prosperi), *“Secreted Factors Influence Response to Chemotherapy in APC-mutant TNBC Cells”*
- 1:55pm **Dimitri Scofield** (Nallathamby), *“Magneto-electric Silica nanoparticles (MagSiNs) for ‘On-Demand’ Delivery of Paclitaxel into Esophageal Adenocarcinoma Cells”*
- 2:15pm **Gyoyeon Hwang** (Bilgicer), *“Prodrug-loaded Liposomal Nanoparticles as a Potential Drug Delivery Strategy Specifically Targeting Lung Cancer Cells”*
- 2:35pm **Courtney Flatt** (Littlepage), *“Cxcr2 as a Therapeutic Target in Breast Cancer Bone Metastasis”*

- Hesburgh Dining Room, The Morris Inn

- 3:15pm – 4:15pm **Career Pathways Panel -**  
Marwa Asem, PhD, Senior Scientist II, Oncology Discovery, AbbVie  
Ricardo Romero Moreno, PhD, Senior Scientist, AstraZeneca  
Roy Stillwell, PhD, Co-founder, CEO and chief engineer of NearWave  
Katherine Ward, PhD, VP, Strategic Operations & People Analytics, IQVIA
- 4:15pm – 4:40pm **Biseach Initiative**– Short film about the Biseach logo  
**Sharon Glynn**, Senior Lecturer in Pathology, Lambe Institute for Translational Research, University of Galway *“Can HERV-K act as biomarker for Improved detection of prostate cancer?”*
- Corrado Santocanale**, Professor of Molecular Medicine, Center for Chromosome Biology, University of Galway *“Blocking DNA synthesis before it begins: Insights into CDC7 kinase targeting drugs using functional genomics approaches”*
- 4:40pm – 5:10pm **Thomas O’Sullivan**, Associate Professor of Electrical Engineering *“Breast Cancer Diagnosis at the Point-of-Care with Handheld Optical Molecular Imaging”*
- 5:00pm – 6:20pm **Keynote: Robert A. Winn, M.D.**, Director and Lipman Chair in Oncology, Virginia Commonwealth University (VCU) Massey Cancer Center  
Senior associate dean for cancer innovation and professor of pulmonary disease and critical care medicine, VCU School of Medicine and a Bachelors of Science from the University of Notre Dame -- *“Cancer Centers in the 21st Century”*

**Dr. Michael Rodriguez Memorial Award**

**Exceptional Trainee Awards**

**Poster Awards**

*~ FREE and Open to the Public ~*