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”


- 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 Safavisohi (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

1:15 pm  **Michelle Lee** (Awasthi), “Enhancing Nanoparticle-based Chemotherapy Response by a Dual AKT and ERK Pathway Inhibitor in Gastric Cancer Preclinical Models”

1:35 pm  **Olivia Sanders** (Prosperi), “Secreted Factors Influence Response to Chemotherapy in APC-mutant TNBC Cells”

1:55 pm  **Dimitri Scofield** (Nallathamby), “Magneto-electric Silica nanoparticles (MagSiNs) for ‘On-Demand’ Delivery of Paclitaxel into Esophageal Adenocarcinoma Cells”

2:15 pm  **Gyoyeon Hwang** (Bilgicer), “Prodrug-loaded Liposomal Nanoparticles as a Potential Drug Delivery Strategy Specifically Targeting Lung Cancer Cells”

2:35 pm  **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

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