

Department of Pathology Annual Research Day and Retreat



2022 Pathology Retreat • May 25, 2022

Keynote Presentation

Location: S120 BST & <https://pitt.zoom.us/j/96992431085>

12:00 – 1:00 pm **Pilar Alcaide, PhD**
Associate Professor of Immunology
Tufts University School of Medicine
*T Cell Immune Responses in Heart Failure: An Interplay
Between Cardiac Inflammation and Fibrosis*

Faculty & Trainee Presentations

Location: S120 BST & <https://pitt.zoom.us/j/96992431085>

1:30 pm **Opening Remarks**
Andrew Duncan, PhD
Associate Professor of Pathology
George Michalopoulos, MD, PhD
Maud L. Menten Professor and Chair of Pathology

Session 1: Graduate Student Research

Moderator, Joud Mulla, BS

1:35 – 1:55 pm **Jeremy Rich, MD, MHS, MBA**
Professor of Neurology
Killing Brain Tumor Stem Cells

1:55 – 2:05 pm **Raphael Crum, BS**
PhD Candidate, CMP, MSTP
*Matrix Bound Nanovesicles as a Novel Extracellular Matrix
Therapy for the Treatment of Rheumatoid Arthritis*

2:05 – 2:15 pm **Daniel Zuppo, BS**
PhD Candidate, MGDB, CATER
*foxm1 is Required for Cardiomyocyte Proliferation After Adult
Zebrafish Cardiac Injury*

2:15 – 2:25 pm **Taylor Gatesman, BS**
PhD Candidate, CMP
*Inhibiting Insulin Signaling Reverses Resistance to PI3K-Mtor
Inhibitors in Aggressive Pediatric High-Grade Gliomas*

Session 2: Basic Research

Moderator, Justin Sui, BA

2:30 – 2:50 pm **Mo Ebrahimkhani, MD**
Associate Professor of Pathology
*Stem Cell-based Multicellular Systems: New Platforms for
Regenerative Technologies and to Study Human Development*

2:50 – 3:00 pm **Katherine Killian, DO**
Pathology Resident
*The Receptor for Advanced Glycation Endproducts Promotes
Allergen Driven Neutrophil Dominant Airway Inflammation Via
NLRP3 Inflammasome Activation*

3:00 – 3:10 pm **Michelle Drewry, BS**
PhD Candidate, BioE, CATER
*Scaffold-Free Conduits Formed from Dental Pulp Stem Cell
Sheets Provide Neurotrophic and Directional Support for
Regenerating Axons*

3:10 – 3:20 pm **Sowmya Mekala, PhD**
Postdoctoral Fellow
*Antagonizing Activin A/P15ink4b-Signaling as a Therapeutic
Strategy for Liver Disease*

Session 3: Clinical Research

Moderator, Simmi Patel, MD

3:30 – 3:50 pm	Sarah Wheeler, PhD, FACB, CC Assistant Professor of Pathology	<i>Data Driven Improvement for Diagnostic Testing in Special Populations</i>
3:50 – 4:00 pm	Azfar Neyaz, MD Pathology Resident	<i>Loss of PTEN and Expression of GLUT1 Predict the Metastatic Progression of Pancreatic Neuroendocrine Tumors</i>
4:00 – 4:10 pm	Shikha Malhotra, MD Pathology Resident	<i>Persistent NUP98 Rearrangement may Portend Poor Prognosis</i>
4:10 – 4:20 pm	Akram Shalaby, MD GI Pathology Clinical Instructor	<i>Gastric Intestinal Metaplasia as a Risk Factor for Progression to Gastric Dysplasia and Carcinoma in Patients Who Undergo Gastric Biopsy: a Population-Based Study</i>

Poster Session & Reception

University Club, Ballroom B

5:00 – 7:00 pm Back in person! Join your colleagues at the Pitt University Club for an interactive poster session, hors d'oeuvres, and drinks. Say hello to old friends and make some new ones.

Notes

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by emailing Shanning Wan at shw126@pitt.edu.

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