



# RESEARCH DAY

Wednesday, May 8, 2024

Biomedical Research Building II/III, Gaulton Auditorium & Lobby



## AGENDA

**8:00am - 8:45am**      **BREAKFAST & SIGN-IN**

**8:45am - 9:00am**      **OPENING REMARKS**

**Nicole A. AQUI, MD**

Associate Professor of Clinical Pathology & Laboratory Medicine • Vice Chair, Inclusion, Diversity, & Equity

**George J. Netto, MD**

Simon Flexner Professor and Chair of Pathology & Laboratory Medicine

**9:00am - 10:40am**      **SPEAKER SESSION 1**

9:00am

**Yanxiang Deng, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Spatial Multi-Omics Profiling of Mammalian Tissues"*

9:25am

**Derek Alan Oldridge, MD, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Spatialomics and AI-Driven Image Analysis in Translational Pathology Research"*

9:50am

**Giulia Pavani, PhD**

Research Assistant Professor of Pathology & Laboratory Medicine

*"Modeling Hematopoiesis with Induced Pluripotent Stem Cells"*

10:15am

**Alessandra Chesi, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Variant-to-Gene Mapping for Neurodegenerative Diseases and Brain-Related Traits"*

**10:40am - 11:00am**

**BREAK**

**11:00am - 12:40pm**

**SPEAKER SESSION 2**

11:00am

**Tristan J. Hayeck, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Evolutionary and Machine Learning Approaches for Variant Interpretation"*

11:25am

**Wanding Zhou, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Sparse DNA Methylome-Based Interference of Cell State and Malignancy"*

11:50am

**Wan-Ping Lee, PhD**

Research Assistant Professor of Pathology & Laboratory Medicine

*"Discovery of Variants Associated with Neurodegenerative Disease Susceptibility Through Large-Scale Whole Genome Sequencing"*

12:15pm

**Shefali Setia Verma, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Bridging Women's Health and Genomics in EHR Biobanks"*

**12:40pm - 1:45pm**

**POSTER PRESENTATIONS & LUNCH**

**1:45pm - 4:15pm**

**SPEAKER SESSION 3**

1:45pm

**Guilherme Nader, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Compromised Nuclear Envelope Integrity Drives Tumor Cell Invasion"*

2:10pm

**Manolis Roulis, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"The Mesenchymal Microenvironment: A Determinant of Colon Cancer Initiation"*

2:35pm

**Hong Xu, PhD**

Research Assistant Professor of Pathology & Laboratory Medicine

*"Modulating Tau Spreading as a Potential Therapeutic Strategy for Tauopathy"*

3:00pm

**Michael S. Haney, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Functional Genomics of Neuroimmune Interactions in Alzheimer's Disease and Aging"*

3:25pm

**Saba Ghassemi, PhD**

Research Assistant Professor of Pathology & Laboratory Medicine

*"Engineering Next Generation CAR T Cells with Enhanced Potency"*

3:50pm

**Leyuan Ma, PhD**

Assistant Professor of Pathology & Laboratory Medicine

*"Immune System Engineering for the Treatment of Cancer and Autoimmune Diseases"*

**4:15pm - 4:30pm**

**AWARDS & CLOSING REMARKS**