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