

**A New Era in Washington University Genomics**

**2nd Annual Symposium**

**April 17th**

**Eric P. Newman Education Center**

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| **10:00-10:30** | Jeffrey Milbrandt, MD, PhD  *McDonnell Genome Institute: Facilitating a New Era of Genomics at Washington University* |
| **10:30-10:50** | Andrew Malone, MB, BCh  *Defining Immune Cell Diversity and Donor-Host Chimerism in Kidney transplant Rejection by Single Cell RNA-seq* |
| **10:50-11:10** | Grant Challen, PhD  *Cell Extrinsic Factors Driving Clonal Expansion of Pre-Malignant Hematopoietic Stem Cells* |
| **11:10-11:30** | Luigi Adamo, MD  *To "B" or not to "B"?  Investigating the Heart of the Hamletic Dilemma through Single Cell Sequencing* |
| **11:30-11:50** | Audrey Odom John, MD, PhD  *Plasmodium Infection in White-Tailed Deer: A New Animal Model for Malaria?* |
| **11:50-12:10** | Douglas Chalker, PhD  *Identification of Loci Controlled by Regulators of Heterochromatin Boundaries in Tetrahymena.* |
| **12:10-1:00** | *Lunch (provided)* |
| **1:00 – 1:20** | Susan Dutcher, PhD  *2019 Pilot Projects* |
| **1:20 – 1:40** | Matthew Christopher, MD, PhD  *Comparison of Phased Sequencing and Optical Mapping with Short-Read Whole Genome Sequencing for the Detection of Structural Variants in Chemotherapy-Refractory Acute Myeloid Leukemia* |
| **1:40-2:00** | Ta Chaing Liu, MD, PhD  *Western Diet Induces Paneth Cell Defects Through Liver-Gut Axis* |
| **2:00-2:20** | Peter Wang  *Shared Features and Transcriptional Programs Underlying Neuronal Resident Macrophages* |
| **2:20-2:40** | Mike Barratt, PhD  *The Gut Microbiota and Biological State of Children with Acute Malnutrition* |
| **2:40-3:00** | Carlos Bernal-Mizrachi, MD  *New roles of Macrophages in Hypertension* |