

Research

Medicine in the Molecular Era: Single Cell Sequencing

October 1, 2018 | 4-6 PM

Introductions:

Gloria Waters

Vice President and Associate Provost for Research

W. Evan Johnson

Co-Scientific Director, Single Cell Sequencing Core

Associate Professor, Medicine MED, and Biostatistics, SPH

Research Presentations:

- **DoM Single Cell Sequencing Core Facility**

Yuriy Alekseyev, PhD, Director of the Single Cell Sequencing Core

Director, BU Microarray & Sequencing Core Facility

Research Associate Professor, Pathology & Laboratory Medicine

- **16+ Color Flow Cytometry with Multivariate Computational Analysis: Tools to Reveal Biomarkers and Mechanisms of Disease**

Jennifer Snyder-Cappione, PhD, Director, Flow Cytometry Core Facility

Assistant Professor, Microbiology

- **Lung Cell Fate Trajectories Profiled by scRNA-Seq Time Series**

Darrell Kotton, MD, Director, Center for Regenerative Medicine (CReM)

David C. Seldin Professor of Medicine

- **Epithelial Progenitor Heterogeneity in Lung Development**

Laertis Ikononou, PhD, Director, Flow Cytometry Core Facility

Assistant Professor, Microbiology

- **Characterizing Immune Heterogeneity Associated with Lung Cancer Premalignancy**

Joshua D. Campbell, PhD, Assistant Professor, Division of Computational Biomedicine, Department of Medicine

Co-Scientific Director, Single Cell Sequencing Core

- **Cellular Diversity in the (Regenerating) Adult Lung**

Jason Rock, PhD, Center for Regenerative Medicine, Boston University School of Medicine

Associate Professor, Medicine

- **Statistical Analyses of Single Cell Transcript with MAST**

Masanao Yajima, PhD, Associate Professor of the Practice Department of Mathematics and Statistics

- **Interactive Single Cell RNA-Seq Analysis with the Single Cell Toolkit (SCTK)**

W. Evan Johnson, PhD, Co-Scientific Director, Single Cell Sequencing Core

Associate Professor, Medicine MED, and Biostatistics

- **Single-nucleus Transcriptomic Profiling of Postmortem Brain from Opioid Misuse Individuals**

Christine Cheng, PhD, Assistant Professor of Biology

- **Identification of Precursor Heterogeneity in the Neocortex Using Single Cell Transcriptomics**
Tarik Haydar, PhD, Professor, Anatomy & Neurobiology
- **How Does Receipt of Positional Cues Induce Diversification?**
Cynthia Bradham, PhD, Associate Professor of Biology
- **Molecular Phenotyping of Endothelial Cells and Fibroblasts in the Fibrotic Tissues**
Maria Trojanowska, PhD, Director, Arthritis Center, Boston University School of Medicine
Professor, Medicine
- **Single Cell RNA Sequencing (scRNAseq) Reveals A Novel Hepatic Disease Signature In ATTR Amyloidosis**
George Murphy, PhD, Associate Professor, Medicine

Thank you for your participation



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