



Research In Progress Seminar

**Tuesday, February 7,
2017
2:00PM**

**Location: The Fishbowl,
2120 Biological Sciences 3**

Speaker:

Nick Pervolarakis,
MCSB PhD Program

Talk Title:

Identifying and Validating
Epithelial Subpopulations
Within the Breast
Epithelium

Abstract:

Breast cancer is one of the most prevalent form of cancer, with over 200,000 new cases every year. Despite recent advances in understanding the genetic mutations driving the initiation and progression of breast cancer, prognosis still remains poor especially due to late diagnosis and subsequent high mortality from metastatic tumor formation. Here, we have established an interdisciplinary approach using single cell RNAseq in combination with computational analyses to reveal distinct cell types and states within the human breast epithelium for the first time. We are now utilizing this analysis pipeline to generate a cell atlas delineating BRCA1-driven breast cancer initiation in single cell resolution.

Questions:

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