Single-Cell RNA-seq Analysis in R (15-person limit)

Instructor: Steven Rozen PhD

Date and Time: Tuesday, May 6, 9 AM to noon

Location: Levine Science Research Center (https://maps.duke.edu/?focus=95), A247

Cost: Free

Prerequisites:

Basic knowledge of R and R studio

Installation of a recent version of R and R Studio on your laptop

Installation of required R packages (a list to be provided after enrolment)

This workshop will start with a brief overview of technologies for single-cell (or single-nucleus) RNA-seq and of the range of scientific questions that can be addressed with these technologies. The instructor will then guide the students as they use R to analyze a single-cell RNA experiment following the steps at https://satijalab.org/seurat/articles/pbmc3k\_tutorial.