Harvard Chan Bioinformatics Core presents:

Introduction to single-cell RNA-seq

For researchers at Harvard Medical School (on Quad), Dana-Farber/Harvard Cancer Center or Harvard Center for AIDS Research

During this *in-person hands-on workshop*, participants will learn:

- how to **design a single-cell RNA-seq (scRNA-seq) experiment**
- the **steps involved** in taking raw scRNA-seq data and generating a count (gene expression) matrix
- how to use **Seurat** to analyze single-cell data, starting from count matrices
- how to compute and **assess QC metrics** at every step in the workflow
- how to cluster cells and **derive the identity** of the different cell types present

This workshop has a pre-requisite:

HBC’s Introduction to R workshop

OR

Fluency with R

**October 10th, 13th and 17th 2023**
(9:30 AM - 12 PM all days)

More information & registration link at: [https://tinyurl.com/HBC-scRNA-seq-Workshop](https://tinyurl.com/HBC-scRNA-seq-Workshop)

Registration fee: $65

Workshop Location: Longwood Medical Area

Sponsored by Harvard Medical School Foundry, Dana-Farber/Harvard Cancer Center & the Harvard University Center for AIDS Research