



Department of Genetics

Nanocourse Announcement

Single-Cell Sequencing: Experimental design, analysis, and practical applications

***Session 1: Tuesday, March 7th, 2017
9:00 am - 1:00 pm, HMS Armenise 125***

***Session 2: Tuesday, March 14th, 2017
10:00 am - 12:00 pm, HMS, TMEC 447***

Paul Blainey
Stephanie Hicks
Peter Kharchenko
Daniel Wagner

Single-cell sequencing technologies allow us to study genomes and transcriptomes at the single cell level. These relatively new techniques have expanded our knowledge in a wide range of fields from microbiology to development and cancer biology. This course will provide a general introduction to both RNA and DNA-based single-cell sequencing. We will start with a broad overview of RNA-sequencing in single cells with an emphasis on current and emerging technologies. Subsequent lectures will focus on experimental design for single-cell experiments and common approaches to data analysis. Our final lecture will review genomic sequencing in single cells.

All are welcome. No registration is required for session 1, but is for session 2.

See <https://nanosandothercourses.hms.harvard.edu/node/420> for more information.