

# Boston Single-Cell Network

## SINGLE-CELL GENOMICS WORKSHOP

Day One | 11.03.2015

*Current methods for genome and transcriptome analysis in single cells*

**TUESDAY, NOVEMBER 3, 2015**

### Current methods for genome and transcriptome analysis in single cells

Harvard University | Sherman-Fairchild, Room 268 | 7 Divinity Avenue | Cambridge, MA

- 8:15-8:45 Registration and light breakfast
- 8:45-9:00 Introduction and welcome
- Lev Silberstein & Peter Kharchenko**
- 9:00-9:45 Keynote | *Single cell genome: Amplification, Characterization and Application*
- Xiaoliang Sunney Xie** [Harvard]
- 9:45-10:15 Smart-Seq
- Alexandra-Chloé Villani** [Broad Institute of MIT and Harvard]
- 10:15-10:45 **BREAK**
- 10:45-11:15 FISSEQ |
- Evan Daugharthy** [Wyss Institute]
- 11:15-11:45 *Droplet barcoding for single-cell transcriptomes*
- Allon Klein** [Harvard Medical School]
- 11:45-12:15 Comparison of different single cell RNA-Seq methods
- Md Saiful Islam** [Stanford]
- 12:15-1:15 **LUNCH** (*provided*)
- 1:15-1:45 *The C1 and beyond: New methods for single-cells using Fluidigm*
- Manisha Ray** [Fluidigm]
- 1:45-2:15 Bench secrets (practical aspects of working with single cells)
- Md Saiful Islam**
- 2:15-2:45 Quality control in single cell RNA-Seq
- Alexandra-Chloé Villani**
- 2:45-3:00 **BREAK**
- 3:00-4:30 Round table discussion