



SBI2 High Content 2019

6<sup>th</sup> Annual Conference

September 17-19<sup>th</sup> 2019

Joseph B Martin Conference Center

Harvard Medical School, Boston, Massachusetts

**High-Content Screening education and colloquium on day 1, followed by 2 day scientific meeting with 4 major session topics. Poster presentations, vendor show and social events.**

**Check for updated information at [SBI2.org](http://SBI2.org)**

### Keynote Presentations

**Aviv Regev** (Chair of the Faculty and Core Member, Broad Institute)

**“Integrating Cellular and Spatial Maps for a Human Cell Atlas”**

**Chee-Yeun Chung** (Scientific Co-Founder and Director, Yumanity Therapeutics)

**“From Yeast to Neurons to Patients: A Novel Drug Discovery Platform for Neurodegenerative diseases”**

### Day 1: Tuesday, September 17<sup>th</sup> : Educational Courses & Colloquium

**Introductory Session Topics** :Image & Data Analysis, High Content Screening methods: workstations/robotics, Calibration and Standards

**Advanced Session Topics:** Machine Learning Methods and Challenges, Phenotypic Assays, Practical Relationships: Imaging, Phenotypes, Transcriptomics

### Day 2: Wednesday, September 18<sup>th</sup>

#### **Keynote Session**

**HCS High-Throughput Screening successes and learning’s**

#### **Lunchtime Special Presentations**

**Focus on Imaging in Neurological Disease and Oncology**

### Day 3: Thursday September 19<sup>th</sup>, 2019

#### **Keynote Session**

**Therapeutic Drug Discover for Complex Disease**

- How the HCS technologies and other imaging modalities support the understanding of complex diseases

**Machine Learning/Artificial Intelligence and/or Conventional outputs**

- How to address which methods for what types of data to make use of all the data