



Cold Spring Harbor Laboratory

MEETINGS & COURSES PROGRAM

Single Cell Analysis

July 1 – 16, 2022

Hershey Laboratory

INSTRUCTORS:

David Chenoweth	University of Pennsylvania, Merion Station PA
Michael McConnell	Lieber Institute for Brain Development, Baltimore MD
Sydney Shaffer	University of Pennsylvania, Philadelphia PA
Gene Yebo	University of California San Diego, La Jolla CA

CO-INSTRUCTOR:

Luciano Martelotto	University of Adelaide, Adelaide, Australia
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ASSISTANTS:

Noorsher Ahmed	University of California San Diego, San Diego CA
Norah Al-Azzam	University of California San Diego, La Jolla CA
Mandovi Chatterjee	Harvard Medical School, Boston MA
Christopher Johnny	The University of Pennsylvania, Brooklyn PA
Rachel Lackner	University of Pennsylvania, Philadelphia PA
Clarence Mah	University of California San Diego, San Diego CA
Deepak Pant	University of California San Diego, La Jolla CA
Arjun Raj	University of Pennsylvania, Philadelphia PA
Dylan Schaff	University of Pennsylvania, Philadelphia PA
Andres Vallejo	University of Adelaide, Adelaide AR, Australia
Brian Yee	University of California, San Diego, La Jolla CA

PARTICIPANTS:

Duaa Al-Rawi	Memorial Sloan Kettering Cancer Center, Manhattan NY
Gautami Amarnath	University of Ulm, Ulm, Germany
Kaylee Cloghessy	The University of Notre Dame, Notre Dame IN
Nicolai Dorka	KTH, Solna, Sweden
Huijie Feng	Children's Hospital of Philadelphia, Philadelphia PA
Meethila Gade	UNC Chapel Hill, CHAPEL HILL NC
Simon Han	Cincinnati Children's Hospital Medical Center, Cincinnati OH
Sheed Itaman	Stony Brook University, Stony Brook NY
Graham Johnson	Duke University Medical School, Durham NC
Shweta Kitchloo	University of Pittsburgh School of Medicine, Pittsburgh PA
Sierra Marable	California Institute of Technology, Pasadena CA
Oluwadamilola Osasona	Redeemers University, Ede, Nigeria
Holly Pinkney	University of Otago, Dunedin -, New Zealand
Lucas Shores	University of Chicago, Chicago IL
Cedomir Stamenkovic	Sanford Burnham Prebys Medical Discovery Institute, La Jolla CA
Jared Tangeman	Miami University, Oxford OH
Manibarathi Vaithiyanathan	University of Washington, Seattle WA



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Friday, July 01, 2022		
7pm	Separating Single Cells and Their Contents	Nancy Albritton (University of Washington)
Sunday, July 03, 2022		
7pm	Single-cell Analysis of Differentiation and Drug Response in Glioblastoma	Peter Sims (Columbia)
Tuesday, July 05, 2022		
7pm	Integrated Single Cell and Spatial Transcriptomic Approaches for Defining the Molecular Anatomy of The Human Brain	Kristen Maynard (Lieber Institute for Brain Development)
Wednesday, July 06, 2022		
7pm	Addressing Open Challenges in Single-Cell and Spatial Data Science	Stephanie Hicks (Johns Hopkins)
Thursday, July 07, 2022		
7pm	Beyond Single Cells: Subcellular Analytic and Functional Genomics <i>Joint Seminar with ATMN, Grace Auditorium Reception to follow</i>	Jim Eberwine (Penn)
Friday, July 08, 2022		
7pm	Emergent Cellular Ecosystems in Melanoma Revealed by Single Cell Analysis	Arjun Raj (Penn)
Saturday, July 09, 2022		
7pm	Epigenomic Programming of Brain Sex Differences	Bruno Gegenhuber (Harvard)
Sunday, July 10, 2022		
7pm	Chemical Tools for Controlling Protein Localization	Dave Chenoweth (Penn)
Monday, July 11, 2022		
7pm	Controlling Phase Separation in Live Cells With Photosensitive Chemical Dimerizers	Huaiying Zhang (Carnegie Mellon)
Tuesday, July 12, 2022		
7pm	Utilizing Single-Cell Transcriptomics Analysis To Understand the Unique Microenvironment of Leptomeningeal Metastasis	Inna Smalley (Moffitt Cancer Center)
Wednesday, July 13, 2022		
7pm	Heavy Metal Neuroscience: Tracking Neural Development With Single-Cell Mass Cytometry	Eli Zunder (University of Virginia)