



# THE POWER OF ONE

FRONTIERS IN SINGLE CELL BIOLOGY

# 17

## SALTIEL LIFE SCIENCES SYMPOSIUM

SEPTEMBER 5, 2018

FORUM HALL, PALMER COMMONS  
100 WASHTENAW AVE, ANN ARBOR

FREE AND OPEN TO THE PUBLIC

### SEVENTEENTH ANNUAL LSI SYMPOSIUM

#### 8:45 A.M.

Welcome

#### Roger D. Cone, Ph.D.

*Vice Provost and Director, Biosciences Initiative; Mary Sue Coleman Director, Life Sciences Institute; Professor of Molecular and Integrative Physiology, Medical School; Professor of Molecular, Cellular, and Developmental Biology, College of Literature, Science, and the Arts, University of Michigan*

#### Martin Philbert, Ph.D.

*Provost and Executive Vice President for Academic Affairs; Professor of Toxicology, School of Public Health, University of Michigan*

#### 8:55 A.M.

Introduction of the Mary Sue and Kenneth Coleman  
Life Sciences Lecturer

#### Alan R. Saltiel, Ph.D.

*Professor and Director, Institute for Diabetes and Metabolic Health, University of California, San Diego School of Medicine; Director, Life Sciences Institute (2002–2015)*

#### 9:00 A.M.

Mary Sue and Kenneth Coleman Life Sciences Lecture:  
Single cell genomics: When stochasticity meets precision

#### Xiaoliang Sunney Xie, Ph.D.

*Lee Shau-kee Professor; Director, Biomedical Pioneering Innovation Center; Director, Beijing Advanced Innovation Center for Genomics, Peking University*

#### 10:10 A.M.

Solving biomedical challenges through single cell genomics  
approaches

#### Alexandra-Chloé Villani, Ph.D.

*Principal Investigator and Director, Single Cell Genomics Research Program, Center for Immunology and Inflammatory Diseases, Massachusetts General Hospital; Member of the Faculty of Medicine, Harvard Medical School; Assistant Scientist, Broad Institute of MIT and Harvard*

#### 11:00 A.M.

Exploring the biological basis of neuronal identity and diversity:  
From transcription mechanism to circuit function

#### Z. Josh Huang, Ph.D.

*Charles and Marie Robertson Professor of Neuroscience, Cold Spring Harbor Laboratory*

#### 11:50 A.M.

Poster session & lunch

#### 1:20 P.M.

Spatial genomics and single cell lineage dynamics by seqFISH and  
MEMOIR

#### Long Cai, Ph.D.

*Research Professor, Division of Biology and Biological Engineering, California Institute of Technology*

#### 2:10 P.M.

Analytics of single cell RNA-SEQ: Lessons from heterogeneity of  
immune cells

#### Nir Yosef, Ph.D.

*Assistant Professor, Department of Electrical Engineering & Computer Science, University of California, Berkeley*

#### 3:20 P.M.

Myeloid cell contribution to tumor outcome

#### Miriam Merad, M.D., Ph.D.

*Professor and Director of the Precision Immunology Institute, Department of Oncological Sciences and Medicine, Icahn School of Medicine at Mount Sinai*

#### 4:10 P.M.

Closing Remarks

Roger D. Cone



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