

# KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

## Tissue Plasticity: Preservation and Alteration of Cellular Identity (S5)

October 4-7, 2020 • Doubletree by Hilton - Park City • Park City, UT, USA

Scientific Organizers: Ophir Klein, Ramesh A. Shivdasani and Stacey S. Huppert

Supported by the Directors' Fund

Discounted Abstract & Scholarship Deadline: June 24, 2020 / Abstract Deadline: July 8, 2020 / Discounted Registration Deadline: August 5, 2020

### SUNDAY, OCTOBER 4

#### Arrival and Registration

### MONDAY, OCTOBER 5

#### Welcome and Keynote Address

**Magdalena D. Zernicka-Goetz**, Caltech and University of Cambridge, UK

*Developmental Plasticity, Cell Fate Specification and Morphogenesis in the Early Mouse and Human Embryo*

#### Plasticity in the Early Embryo

**Kat Hadjantonakis**, Sloan Kettering Institute, USA  
*Pluripotency and Cell Lineage Commitment in the Early Embryo*

**Meritxell Huch**<sup>†</sup>, University of Cambridge / Max Planck Institute of Molecular Cell Biology and Genetics, UK

*Plasticity in Progenitors during Early Liver Development*

**Aaron M. Zorn**, Cincinnati Children's Hospital Medical Center, USA  
*A Single Cell Road Map of Foregut Progenitors Identity*

**Tatjana Sauka-Spengler**, University of Oxford, UK  
*Talk Title to be Announced*

#### Short Talks Chosen from Abstracts

#### Tissue Plasticity in Invertebrates and Vertebrates

**Benjamin Ohlstein**, Columbia University Medical Center, USA  
*Amitosis and Plasticity*

**Xin Sun**, University of California, San Diego, USA  
*Fate Choices in Lung Development*

**Leanne Jones**, University of California, Los Angeles, USA  
*Ablation and Replacement of Fly Stem Cells: Plasticity in the Epithelium*

**Yingzi Yang**, Harvard School of Dental Medicine, USA  
*Skeletal Stem Cells and GPCR Signaling*

#### Short Talks Chosen from Abstracts

#### Poster Session 1

### TUESDAY, OCTOBER 6

#### Epigenetics, Transcription and Plasticity

**Shingo Kajimura**, University of California, San Francisco, USA  
*Molecular Control of Fat and Muscle Plasticity*

**Ramesh A. Shivdasani**, Dana-Farber Cancer Institute, USA  
*Cellular and Chromatin basis for Intestinal Crypt Plasticity*

**Elena Ezhkova**, Icahn School of Medicine at Mount Sinai, USA  
*Chromatin Regulation of Skin Development and Skin Stem Cells*

#### Short Talks Chosen from Abstracts

#### Inflammation and Plasticity

**Juanita L. Merchant**, University of Arizona College of Medicine, USA  
*Gut Inflammation in Disease*

**Shruti Naik**, New York University, USA  
*Immune-Tissue Stem Cell Crosstalk in Inflammation and Tissue Regeneration*

**Valerie Horsley**, Yale University, USA

*Inflammation and Wound Healing in the Skin*

**Indira U. Mysorekar**, Washington University School of Medicine, USA  
*Regulation of Urothelial Plasticity and Regeneration*

#### Short Talks Chosen from Abstracts

#### Poster Session 2

### WEDNESDAY, OCTOBER 7

#### Cancer Stem Cells and their Niche

**Emmanuelle Passegué**, Columbia University, USA  
*How Blood Ages*

**Valerie M. Weaver**, University of California, San Francisco, USA  
*Role of the Extracellular Matrix in Niche Construction*

**Jason C. Mills**, Washington University, USA  
*Differentiated Cells Undergo Metaplasia and Tumorigenesis via Paligenosis*

**Ben Z. Stanger**, University of Pennsylvania, USA  
*EMT and Cellular Plasticity in Cancer*

#### Short Talks Chosen from Abstracts

#### Plasticity and Renewal/Regeneration

**Stacey S. Huppert**, Cincinnati Children's Hospital Medical Center, USA

*Liver Regeneration and Plasticity*

**Michael Collins**, NIDCR, National Institutes of Health, USA  
*Fibrous Dysplasia: Disease Caused by Plasticity*

**Ophir Klein**, University of California, San Francisco, USA  
*Plasticity of Intestinal Stem Cells*

**Edward E. Morrisey**, University of Pennsylvania, USA  
*Epithelial Plasticity in Development and Tissue Regeneration*

#### Short Talks Chosen from Abstracts

#### Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

### THURSDAY, OCTOBER 8

#### Departure