

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Endoderm Development and Disease: Cross-Organ Comparison and Interplay (C3)

February 25-March 1, 2018 • Sagebrush Inn & Suites • Taos, New Mexico, USA

Scientific Organizers: Xin Sun, Kat Hadjantonakis and Didier Y. R. Stainier

Supported by the Directors' Fund

Abstract & Scholarship Deadline: October 25, 2017 / Abstract Deadline: November 28, 2017 / Discounted Registration Deadline: December 20, 2017

SUNDAY, FEBRUARY 25

Arrival and Registration

MONDAY, FEBRUARY 26

Welcome and Keynote Address

Hans C. Clevers, Hubrecht Institute, Netherlands
Intestine Stem Cells, Organoids and Regeneration

Specification and Morphogenesis: In the Embryo and the Dish

Elizabeth J. Robertson, University of Oxford, UK
Endoderm Specification

Kat Hadjantonakis, Sloan Kettering Institute, USA
Guts and Gastrulation

James M. Wells, Cincinnati Children's Hospital Research Foundation, USA
Intestine Organoids

Short Talk(s) Chosen from Abstracts

Workshop 1: Endoderm Comes Alive: Imaging Endoderm in Development and Disease

Short Talks Chosen from Abstracts

Organogenesis: Building a Functional Organ in the Context of the Other Tissues

Xin Sun, University of California, San Diego, USA
Lung as a Sensory Organ

Sarah Knox, University of California, San Francisco, USA
Salivary Gland Development and Repair

Lori Sussel, University of Colorado, USA
Pancreas Organogenesis

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, FEBRUARY 27

Stem/Progenitor Cells: Similarities and Differences Across Organs

Edward E. Morrisey, University of Pennsylvania, USA
Lung Stem Cells, Regeneration and Repair

Lucy Erin O'Brien, Stanford University School of Medicine, USA
Collective Dynamics of Drosophila Intestinal Stem Cells

Markus Grompe, Oregon Health & Science University, USA
Liver Regeneration

Brigid L. M. Hogan, Duke University Medical Center, USA
Talk Title to be Announced

Short Talk(s) Chosen from Abstracts

Workshop 2: Organoids

Short Talks Chosen from Abstracts

Genetics and Epigenetics: Homing in on Causality

Kathryn V. Anderson, Memorial Sloan-Kettering Cancer Center, USA
A Forward Genetic Approach to Endoderm Development

Didier Y. R. Stainier, Max Planck Institute for Heart and Lung Research, Germany
Genetics of Endoderm Development and Disease

Maike Sander, University of California, San Diego, USA
Pancreas Genomics and Epigenomics

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, FEBRUARY 28

Endoderm Organ Function: Physiology, Metabolism and Pathology

Michael J. Welsh, University of Iowa, USA
Cystic Fibrosis

Irene Miguel-Aliaga, Imperial College London, UK
Drosophila Intestine Plasticity and Metabolism

Min Han[†], University of Colorado, USA
Talk Title to be Announced

Stephen Liberles, Harvard Medical School, USA
Neuronal Control of Respiration

Short Talk(s) Chosen from Abstracts

Endoderm Cancers: Not All Generated Equal

Matthias Hebrok, University of California, San Francisco, USA
Pancreatic Cancer

Vishva M. Dixit, Genentech, Inc., USA
Lung and Pancreatic Cancer

Michael M. Shen, Columbia University, USA
Progenitor Cells and the Origin of Prostate Cancer

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, MARCH 1

Interaction with the Environment: A Part of Life

Michael J. Holtzman, Washington University in St. Louis, USA
Endoderm Reaction to Infection

Karen Guillemin, University of Oregon, USA
Zebrafish as a Model of Endoderm-Pathogen Interactions

David J. Hackam, Johns Hopkins Children's Center, USA
TLR4-Mediated Gut-Lung Signaling in Newborn Disease

Joseph S. Takahashi, HHMI/University of Texas Southwestern Medical Center, USA

Circadian Rhythm in Endoderm Organs

Short Talk(s) Chosen from Abstracts

Workshop 3: Endoderm Crosstalk: Novel Insights from Trainees

Short Talks Chosen from Abstracts

Endoderm Diseases: Lessons from Development

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Norbert Perrimon, Harvard Medical School, USA

Drosophila as a Model for Endoderm Diseases

David D. Moore, Baylor College of Medicine, USA

Nuclear Receptor in Liver and Pancreatic Diseases

Jeffrey A. Whitsett, Cincinnati Children's Hospital Medical Center,
USA

Developmental Origin of Lung Diseases

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

FRIDAY, MARCH 2

Departure