

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

T Cells: Regulation and Effector Function (D3)

March 29-April 3, 2015 • Snowbird Resort • Snowbird, Utah, USA

Scientific Organizers: Alexander Y. Rudensky, Dan R. Littman and Kristin A. Hogquist

Supported by the Directors' Fund

Abstract & Scholarship Deadline: December 2, 2014 / Abstract Deadline: January 7, 2015 / Discounted Registration Deadline: January 28, 2015

SUNDAY, MARCH 29

Registration

MONDAY, MARCH 30

Keynote Address

Wendell A. Lim, University of California, San Francisco, USA
The Molecular Logic of Cellular Signaling Systems

T Cell Development

Thomas Boehm, Max Planck Institute of Immunobiology and Epigenetics, Germany
Evolutionary Origins of T Lymphocyte Lineages

Kristin A. Hogquist, University of Minnesota, USA
Self-Recognition in T Cell Development, Homeostasis and Activation

Avinash S. Bhandoola, University of Pennsylvania, USA
The Establishment and Maintenance of T Cell Identity

Ichiro Taniuchi, RIKEN Research Center for Allergy and Immunology, Japan
Transcriptional Regulation of T Cell Development

Short Talk(s) Chosen from Abstracts

Innate T Cells

Wendy L. Havran, The Scripps Research Institute, USA
gd T Cells and the Regulation of Immune Responses at Epithelial Surfaces

Albert S. Bendelac, University of Chicago, USA
Innate Lymphocytes

Laurent Gapon, University of Colorado and National Jewish Medical and Research Center, USA
Specificity and Development of iNKT Cells

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, MARCH 31

T Cell Recognition and Activation

Pamela L. Schwartzberg, NHGRI, National Institutes of Health, USA
Signal Transduction in T Cells

Bernard Malissen, Centre d'Immunologie de Marseille-Luminy, France
The TCR Signaling Pathway Interactome

Mark M. Davis, Stanford University, USA
T Cell Recognition and Human Immunology

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

T Cells at Mucosal Surfaces

Dan R. Littman, HHMI/New York University School of Medicine, USA
The Microbiota and Regulation of Inflammatory Lymphoid Cells

Daniel J. Cua, Merck Research Laboratories, USA
Inflammatory T Cells

Mitchell Kronenberg, La Jolla Institute for Allergy and Immunology, USA
Regulation of Mucosal Immunity

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, APRIL 1

T Cell Response to Pathogens

E. John Wherry, University of Pennsylvania, USA
Regulating T Cell Responses during Chronic Infection

Marc K. Jenkins, University of Minnesota Medical School, USA
Mechanisms of Immune Memory by CD4 T Cells

Federica Sallusto, Institute for Research in Biomedicine, Università della Svizzera Italiana, Switzerland
The Human T Cell Response to Microbes

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

T Cell Differentiation, Metabolism and Effector Function

Erika L. Pearce, Washington University School of Medicine, USA
Metabolism and CD8 T Cell Memory

Speaker to be Announced

Richard M. Locksley, HHMI/University of California, San Francisco, USA
Allergic Immunity

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, APRIL 2

T Cell Trafficking and Cellular Interactions

Ronald N. Germain, NIAID, National Institutes of Health, USA
Systems Analysis and Dynamic Imaging of Host Defense

Michael L. Dustin, New York University School of Medicine, USA
Delivery of Regulatory Signals through the Immunological Synapse

Speakers to be Announced

Short Talk(s) Chosen from Abstracts

T Cell Regulation and Autoimmunity

Speaker to be Announced

Alexander Y. Rudensky, HHMI/Memorial Sloan-Kettering Cancer Center, USA
Regulatory T Cell Differentiation

Shimon Sakaguchi, Osaka University, Japan
Control of Immune Responses by Regulatory T Cells

Short Talk Chosen from Abstracts

FRIDAY, APRIL 3

Departure