

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Myeloid Cells (B7)

February 24-28, 2019 • Eldorado Hotel & Spa • Santa Fe, New Mexico, USA

Scientific Organizers: Tiffany Horng, Gregory M. Barton and Ajay Chawla

Sponsored by Boehringer Ingelheim Pharmaceuticals, Inc.

Abstract & Scholarship Deadline: October 24, 2018 / Abstract Deadline: November 28, 2018 / Discounted Registration Deadline: January 9, 2019

SUNDAY, FEBRUARY 24

Arrival and Registration

MONDAY, FEBRUARY 25

Welcome and Keynote Address

Ruslan Medzhitov, HHMI/Yale University School of Medicine, USA
Myeloid Cells in Control of Homeostasis, Inflammation, and Disease

Innate Immune Receptors and Myeloid Cell Activation

Vishva M. Dixit, Genentech, Inc., USA

Molecular Regulation Innate Immune Responses

Thirumala-Devi Kanneganti, St. Jude Children's Research Hospital, USA

Regulation of Inflammasome Activation and Cell Death

Jonathan C. Kagan, Boston Children's Hospital, USA

Innate Immune Signaling Pathways

Short Talk(s) Chosen from Abstracts

Workshop 1: Myeloid Cell Activation

Short Talks Chosen from Abstracts

Myeloid Cells in Metabolism

Tiffany Horng, Harvard School of Public Health, USA

Macrophage Metabolism

Amira Klip, Hospital for Sick Children, Canada

Macrophage and Muscle Metabolic and Functional Crosstalk

Ajay Chawla, University of California, San Francisco, USA

Macrophages in Systemic Metabolism

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, FEBRUARY 26

Myeloid Cells in Metabolic and Inflammatory Diseases

Peter Tontonoz, University of California, Los Angeles, USA

Myeloid Cell Lipid Metabolism in Metabolic and Inflammatory Diseases

Gwendalyn J. Randolph, Washington University, USA

Myeloid Cells in Vascular Inflammation

Andrés Hidalgo, Fundación CNIC, Spain

Neutrophils in Vascular Inflammation

Kathryn J. Moore, New York University Medical Center, USA

Macrophages in Metabolic and Inflammatory Diseases

Short Talk(s) Chosen from Abstracts

Macrophage Specification in the Tissue Environment

Frederic Geissmann, Memorial Sloan Kettering Cancer Center, USA

Ontogeny of Tissue Resident Macrophages

Stephen T. Smale, University of California, Los Angeles, USA

Selective Transcriptional Responses of Macrophages to Environmental Stimuli

Ido Amit, Weizmann Institute, Israel

Macrophage Specification in the Tissue Environment

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, FEBRUARY 27

Myeloid Cells in Immunity and Infection

Paul Kubes, University of Calgary, Canada

Myeloid Cell Dynamics In Vivo

Jenny P.Y. Ting, University of North Carolina at Chapel Hill, USA

Myeloid Cells in Immunity and Infection

Chandrashekhhar Pasare, University of Texas Southwestern Medical Center, USA

Myeloid Cells in Control of Adaptive Immunity

Denise M. Monack, Stanford University, USA

Myeloid Cells and Bacterial Pathogenesis

Short Talk(s) Chosen from Abstracts

Myeloid Cells in Mucosal Immunity

Gregory M. Barton, University of California, Berkeley, USA

Determinants of CD4 T Cell Responses to the Microbiota

Yasmine Belkaid, NIAID, National Institutes of Health, USA

Myeloid Cells in Control of Mucosal Immunity

Daniel Mucida, Rockefeller University, USA

Tissue Adaptation: Implications Gut Immunity and Tolerance

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, FEBRUARY 28

Myeloid Cells in Cancer

Ira Mellman, Genentech, Inc., USA

Cancer Immunotherapy

Judith A. Varner, University of California, San Diego, USA

Tissue Resident and Bone Marrow Derived Macrophage

Contributions to Cancer Progression

Matthew F. Krummel, University of California, San Francisco, USA

Imaging Myeloid Cell Dynamics in the Tumor Microenvironment

Steven F. Ziegler, Benaroya Research Institute, University of

Washington School of Medicine, USA

Regulation of Breast Cancer Progression by Myeloid Cell-Derived

TSLP

Short Talk(s) Chosen from Abstracts

Workshop 2: Myeloid Cells in Health and Disease

Short Talks Chosen from Abstracts

Tissue Resident Macrophages

Marco Colonna, Washington University School of Medicine, USA

Microglia

Kaoru Saijo, University of California, Berkeley, USA

Microglia in Early Brain Development

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Michael H. Sieweke, Centre d'Immunologic Marseille-Luming, France
Macrophage Self-Renewal

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

FRIDAY, MARCH 1

Departure