

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Molecular Cell Biology of Macrophages in Human Diseases (B2)

February 9-14, 2014 • Hilton Santa Fe Historic Plaza Hotel • Santa Fe, New Mexico, USA

Scientific Organizers: Frederic Geissmann, Judith E. Allen and Christopher K. Glass

Supported by the Directors' Fund

Abstract & Scholarship Deadline: October 8, 2013 / Abstract Deadline: November 13, 2013 / Discounted Registration Deadline: December 9, 2013

SUNDAY, FEBRUARY 9

Arrival and Registration

MONDAY, FEBRUARY 10

Keynote Address

Carl F. Nathan, Weill Cornell Medical College, USA

Genetics and Genomics of Macrophage Development and Function I

Christopher K. Glass, University of California, San Diego, USA
Genomics and Lipidomics of Macrophage Activation

Gioacchino Natoli, IEO, European Institute of Oncology, Italy
Epigenomic Control of Macrophage Gene Expression

Ellen V. Rothenberg, California Institute of Technology, USA
Lessons from Genomic Analysis of T Cell Development

Short Talk(s) Chosen from Abstracts

Workshop 1: Genetics of Macrophages

Short Talks Chosen from Abstracts

Genetics and Genomics of Macrophage Development and Function II

Frederic Geissmann, King's College London, UK
Developmental Heterogeneity of Macrophages

David Traver, University of California, San Diego, USA
Development of Myeloid Cells

Michael H. Sieweke, Centre d'Immunologic Marseille-Luminy, France
Control of Macrophage Proliferation

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, FEBRUARY 11

Genetics and Genomics of Macrophage Development and Function III

Aldons J. Lusis, University of California, Los Angeles, USA
Leveraging the Power of Natural Genetic Variation to Understand Macrophage Biology

Philippe Gros, McGill University, Canada
IRFs, Macrophages and Infectious Diseases

Shigekazu Nagata, Kyoto University, Japan
Eat-Me Signals

Philippe Herbomel, Institut Pasteur, France
Development of Tissue Resident Macrophages Populations in Zebrafish

Short Talk(s) Chosen from Abstracts

Macrophages Subsets and Effector Functions I

Judith E. Allen, University of Edinburgh, UK
Macrophage Activation in Th2 Immunity

Ellen A. Robey, University of California, Berkeley, USA
Lymph Node Macrophages

Adriano M. Aguzzi, University Hospital of Zurich, Switzerland
Follicular Dendritic Cells and Chronic Inflammation

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, FEBRUARY 12

Macrophages Cell Biology and Migration

Fiona Pixley, University of Western Australia, Australia
CSF-1 Receptor Signaling and Macrophage Motility

Wolfgang Weninger, Centenary Institute, Australia
Perivascular Macrophages as Regulators of Neutrophil Recruitment to the Skin

Valerie O'Donnell, Cardiff University, UK
Lipid Mediators

Ira Mellman, Genentech, Inc., USA
Talk Title to be Determined

Short Talk(s) Chosen from Abstracts

Workshop 2: In vivo Imaging (or) Lipid Metabolism

Short Talks Chosen from Abstracts

Macrophages Subsets and Effector Functions II

Steffen Jung, Weizmann Institute of Science, Israel
Gut Macrophages and DCs

Mikael J. Pittet, Massachusetts General Hospital, USA
Monocyte/Macrophages in Cancer

Fabio Rossi, University of British Columbia, Canada
Microglia and CNS Inflammation

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, FEBRUARY 13

Macrophages in Inflammatory and Metabolic Diseases

Ajay Chawla, University of California, San Francisco, USA
Macrophages and Obesity

Leonie S. Taams, King's College London, UK
Regulating Inflammation: Studying the Cross-Talk between Monocytes/Macrophages and CD4+ T Cells in Rheumatoid Arthritis

Kathryn J. Moore, New York University Medical Center, USA
Macrophage Retention in Metabolic Diseases

Catherine (Lynn) Hedrick, La Jolla Institute for Allergy and Immunology, USA
Monocytes in Atherosclerosis

Short Talk(s) Chosen from Abstracts

Workshop 3: Nuclear Receptor Signaling Pathways

Short Talks Chosen from Abstracts

Macrophages and Infectious, Inflammatory and Metabolic Diseases

Anthony W. Segal, University College London, UK
The Role of Macrophages in the Causation of Crohn's Disease

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Kinya Otsu, King's College London, UK

Mitochondrial DNA in the Development of Inflammation and Heart Failure

Closing Keynote Address

Ruslan M. Medzhitov, HHMI, Yale University School of Medicine, USA

Macrophages - A Distributed Control System for Homeostasis and Inflammation

FRIDAY, FEBRUARY 14

Departure