

Keystone Symposia: The Macrophage: Intersection of Pathogenic and Protective Inflammation

(Joint with meeting on: Advances in Molecular Mechanisms of Atherosclerosis)

February 12–17, 2010 • Fairmont Banff Springs • Banff, Alberta • Canada

Scientific Organizers: Peter J. Murray, Sabine Ehrt and Ajay Chawla

PROGRAM FACULTY & TALKS

Judith E. Allen, University of Edinburgh, UK

The Macrophage and the Worm

Vincenzo Bronte, Istituto Oncologico Veneto, Italy

Myeloid-Derived Suppressor Cells

Israel F. Charo◇, Gladstone Institute of Cardiovascular Disease, USA

Macrophage Movement in Atherosclerosis Lesions

Ajay Chawla◇, Stanford University Medical Center, USA

Adipocyte/Macrophage Intersection

Sara R. Cherry, University of Pennsylvania, USA

Identification of Intrinsic Innate Immune Mechanisms

Linda K. Curtiss◇, The Scripps Research Institute, USA

Toll Like Receptors

Sabine Ehrt, Weill Cornell Medical College, USA

Mycobacteria and Macrophages

Frederic Geissmann◇, Hôpital Necker – Enfants Malades, France

In vivo Monitoring of Monocyte/Macrophage Traffic

Christopher K. Glass◇, University of California, San Diego, USA

Nuclear Receptor-Mediated Repression of Inflammatory Responses

Thorsten Hagemann, Bart's and the London Queen Mary's Medical School, UK

Cancer-Related Inflammation

De'Broski R. Herbert, Cincinnati Children's Research Foundation, USA

Alternatively Activated Macrophages Control Helminth-Driven Immunopathology

Gökhan S. Hotamisligil◇, Harvard University School of Public Health, USA

Metabolic Stress and Inflammation

David Hume, University of Edinburgh, UK

Transcriptional Networks in Macrophage Differentiation and Activation

Lionel Bohdan Ivashkiv, Hospital for Special Surgery, New York, USA

Signal Integration During Macrophage Activation and Cytokine Production

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

Activation of the NLR Family of Pathogen Detectors

Michael Karin◇, University of California, San Diego, USA

NF-kappaB Signaling Pathways that Regulate Inflammation and Immunity

Christopher L. Karp, Cincinnati Children's Hospital Research Foundation, USA

Pathogen Contact with Human Macrophages

Gerald Krystal◇, British Columbia Cancer Research Center, Canada

The Role of SHIP in M1/M2 Macrophage Skewing and Activation

Steven L. Kunkel◇, University of Michigan Medical School, USA

Epigenetic Regulation of the Macrophage Phenotype

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

Regulation of Inflammatory Gene Expression

Peter J. Murray◇, St. Jude Children's Research Hospital, USA

Cytokine-Mediated Deactivation of the Activated Macrophage

Shigekazu Nagata, Kyoto University, Japan

Engulfment of Apoptotic Cells

Carl F. Nathan◇, Weill Cornell Medical College, USA

Macrophages, Inflammation and Host Defense

Lalita Ramakrishnan, University of Washington, USA

Macrophages and Infectious Granulomas

Kenneth L. Rock, University of Massachusetts Medical School, USA

Sterile Inflammation

Alan Sher, NIAID, National Institutes of Health, USA

Coordinating Immune Responses to Polarizing Pathogens

Peter Tontonoz◇, University of California, Los Angeles, USA

Integration of Metabolism and Inflammation by Nuclear Receptors

Menno Van Lookeren Campagne, Genentech, Inc., USA

Macrophage Complement Receptors Mediating Host Responses

Thomas A. Wynn, National Institutes of Health, USA

Macrophage Control of Fibrosis

◇Keynote speaker. ◇Speaker in a joint session. Programs subject to change.
Current as of September 21, 2009



Recent insights into macrophage biology have focused on their prodigiously varied roles: as sensors, effectors and regulators of immunity; as cells central to tissue repair and homeostasis; as the host cell of diverse pathogens; and as cells pivotal to the pathogenesis of numerous inflammatory diseases. The conservation of underlying common mechanisms of macrophage activation and subsequent control forms the overall thematic organization of this meeting. A special focus will be on areas of macrophage biology that are often neglected, including the role of macrophages in inflammatory diseases not obviously linked to pathogens including atherosclerosis, cancer, metabolic diseases and other forms of "sterile" inflammation. The meeting is intended to provide a state-of-the-art overview of macrophage biology; to highlight the translational implications of this work; to provide researchers with access to diverse model systems, topics and levels of investigation; and to help define the most important questions to be addressed.

PROGRAM PLENARY SESSIONS & WORKSHOPS:

- Macrophages and Pathogens I and II
- Workshop 1
- Signaling and Gene Expression (Joint)
- Understanding Human Macrophages
- Macrophage Movement (Joint)
- Sterile Inflammation and Cancer Inflammation
- Workshop 2
- Deactivating Macrophage Activity (Joint)
- Metabolism and Macrophages at the Intersection of Metabolic Control (Joint)

DEADLINES:

Abstract & Scholarship: October 12, 2009

Late-Breaking Abstract: November 13, 2009

Early Registration: December 14, 2009

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