



Join Keystone Symposia
for the 2016 conference on:

Myeloid Cells

April 10–14, 2016

**INEC – Ireland's National Events & Conference Centre
Killarney, Co. Kerry | Ireland**

Scientific Organizers:

Arturo Zychlinsky, Judith E. Allen, Eicke Latz and Kate A. Fitzgerald

This meeting will cover topical questions in myeloid cell biology, including new concepts like the origin of myelocytes, trained immunity, and epigenetic and genetic regulation of their function. It will cover myeloid cells of both bone marrow and fetal origin with an emphasis on how macrophages interact with other myeloid cells including granulocytes. There will also be an emphasis on clinical approaches including medical intervention and new approaches to understand the diversity and specificity of myeloid responses. The introduction of new technology is revealing unprecedented levels of complexity in ontogeny, specialization, regulation and modulation of adaptive immunity by these cells. The symposium will include different fields central to contemporary immunology both at the genetic and cellular level, including the instruction of the adaptive immune response by innate immunity in health and disease. It should therefore be of interest to both basic and clinical scientists working in cell biology, immunology and infectious disease.

Session Topics:

- Origins and Diversity
- Taming Inflammation
- Mechanisms of Differentiation and Activation
- Myeloid Cells in Disease Models I & II
- Neutrophils
- Trained Immunity
- Myeloid Cells in the Clinic



Submitting an abstract is a great way of participating in the conference through poster presentation and possible selection for a short talk.

Scholarship & Discounted Abstract Deadline: Dec 10, 2015

Abstract Deadline: Jan 11, 2016

Discounted Registration Deadline: Feb 10, 2016

For additional details, visit www.keystonesymposia.org/16D3.

KEYSTONE SYMPOSIA™
on Molecular and Cellular Biology

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KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Myeloid Cells (D3)

April 10-14, 2016 • INEC-Ireland's National Events & Conference Centre • Killarney, Co. Kerry, Ireland

Scientific Organizers: Arturo Zychlinsky, Judith E. Allen, Eicke Latz and Kate A. Fitzgerald

Local Co-Organizer: Andrew G. Bowie of Trinity Biomedical Sciences Institute. Sponsored by Biogen

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SUNDAY, APRIL 10

Arrival and Registration

MONDAY, APRIL 11

Welcome and Keynote Address

Ira Mellman, Genentech, Inc., USA
Understanding Human Cancer Immunology

Origins and Diversity

Filip K. Swirski, Massachusetts General Hospital, USA
Monocyte and Macrophage Heterogeneity
Philip R. Taylor, Cardiff University School of Medicine, UK
Macrophage Renewal and Proliferation

Judith E. Allen, University of Edinburgh, UK
Dynamics of Resident vs. Recruited Macrophages

Steffen Jung, Weizmann Institute of Science, Israel
Studying Macrophages in Context

Short Talk(s) Chosen from Abstracts

Taming Inflammation

Dana Philpott, University of Toronto, Canada
NLRs in Infection

Carla V. Rothlin, Yale University, USA
TAM Receptors in Immunity

Kathryn J. Moore, New York University Medical Center, USA
MicroRNAs in Sterile Inflammation

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, APRIL 12

Mechanisms of Differentiation and Activation

Sergio Grinstein, Hospital for Sick Children, Canada
Activation of Phagocytosis

Xuetao Cao, Chinese Academy of Sciences, China
DCs in Differentiation

Kate A. Fitzgerald, University of Massachusetts Medical School, USA
Long Noncoding RNAs: New Players in Inflammatory Gene Regulation

Irina A. Udalova, University of Oxford, UK
Genomics of Inflammation in Health and Disease

Short Talk(s) Chosen from Abstracts

Myeloid Cells in Disease Models I

Gretchen E. Diehl, Baylor College of Medicine, USA
Microbiota in the Gut

Maria Rescigno, European Institute of Oncology, Italy
Dendritic Cells in the Gut

Eicke Latz, University of Bonn, Germany
Inflammasome Activation in Disease

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, APRIL 13

Myeloid Cells in Disease Models II

Nicola L. Harris, École Polytechnique Fédérale de Lausanne, Switzerland
Macrophages in Infection and Repair

P'ng Loke, New York University School of Medicine, USA
Macrophage Interaction with Helminths

Felix Meissner, Max Planck Institute of Biochemistry, Germany
Proteomics of Macrophage Responses

Arturo Zychlinsky, Max Planck Institute for Infection Biology, Germany
Inflammatory Neutrophil Mechanisms

Short Talk(s) Chosen from Abstracts

Neutrophils

Lani Wu, University of California, San Francisco, USA
Deciphering Neutrophil Chemotaxis

Christoph Klein, Ludwig-Maximilians-University Munich, Germany
Inborn Errors of Neutrophil Granulocytes

Eric Pearlman, University of California at Irvine, USA
The Role of IL-17A Producing Neutrophils in Infectious and Autoimmune Disease

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, APRIL 14

Trained Immunity

Gioacchino Natoli, IEO, European Institute of Oncology, Italy
Genomic Landscapes of Inflammation

Mihai G. Netea, Radboud University Nijmegen Medical Centre, Netherlands
Innate Immune Memory

Joachim L. Schultze, LIMES Institute, University of Bonn, Germany
Genomics of Immunoregulation and Activation

Short Talk(s) Chosen from Abstracts

Myeloid Cells in the Clinic

Nina Bhardwaj, Mt. Sinai Hospital, USA
Dendritic Cells in Cancer

Matthew L. Albert, Genentech, Inc., USA
Immune Markers in Human Populations

Maria Belvisi, Imperial College London, UK
Airway Inflammation

Short Talk Chosen from Abstracts

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

FRIDAY, APRIL 15

Departure