



Join Keystone Symposia
for the 2016 conference on:

B Cells at the Intersection of Innate and Adaptive Immunity

May 29–June 2, 2016

Clarion Hotel Sign | Stockholm | Sweden

Scientific Organizers:

Mikael C. I. Karlsson, Claudia Mauri, Eric Meffre and Andrea Cerutti

In the last few years, the role of B cells in the innate immune response and effector functions beyond antibody production has started to be appreciated. This meeting puts emphasis on newly discovered roles of B cells and discusses novel concepts in B cell biology that will open new venues to design B cell-directed treatments. It will thus highlight the function of B cells as general responders and regulators of inflammation and contrast this to their function and latest discoveries of their role as antibody producers.

Session Topics:

- Creating and Maintaining the B Cell Repertoire
- Innate B Cell Activation
- B Cell Subset
- B Cell Tolerance
- Mucosal B Cell Responses
- Antibody Effector Functions and Antigen Recognition by the BCR
- B Cells as Regulators of the Immune Response
- Targeting B Cells for Treatment



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: Jan 28, 2016

Abstract Deadline: Feb 29, 2016

Discounted Registration Deadline: Mar 29, 2016

For additional details, visit www.keystonesymposia.org/16E3.

KEYSTONE SYMPOSIA™
on Molecular and Cellular Biology
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SUNDAY, MAY 29

Arrival and Registration

MONDAY, MAY 30

Welcome and Keynote Address

Klaus Rajewsky, Max Delbrück Center for Molecular Medicine, Germany
Targeting B Cells for Treatment

Creating and Maintaining the B Cell Repertoire

Meinrad Busslinger, Research Institute of Molecular Pathology, Austria
Transcriptional Control of B Cell Development

Marcus R. Clark, University of Chicago, USA
B Cell Lymphopoiesis

Deborah Dunn-Walters, King's College London, UK
The B Cell Repertoire and Immunosenescence

Short Talk(s) Chosen from Abstracts

Innate B Cell Activation

Andrea Cerutti, Mount Sinai School of Medicine, USA
Innate Signaling Networks in B Cell Activation

John F. Kearney, University of Alabama, Birmingham, USA
Natural Antibody Responses

Mikael C. I. Karlsson, Karolinska Institutet, Sweden
NKT Cell Regulation of Innate B Cell Responses

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, MAY 31

B Cell Subsets

Carola G. Vinuesa, Australian National University, Australia
B Cell Helpers and the Germinal Centre

Marc K. Jenkins, University of Minnesota Medical School, USA
Memory B Cells

Nicole Baumgarth, University of California, Davis, USA
B1 Cells and Immune Protection

Jean-Claude Weill, Université Paris Descartes, INSERM U783, France

B Cell Subsets in Humans

Short Talk(s) Chosen from Abstracts

Poster Session 2

Workshop 1

Short Talks Chosen from Abstracts

B Cell Tolerance

Eric Meffre, Yale University School of Medicine, USA
Impact of Gene Variants or Mutations on Human B Cell Tolerance

Robert Brink, Garvan Institute of Medical Research, Australia
Regulation of Self-Reactive Germinal Center B Cells

Michael P. Cancro, University of Pennsylvania, USA
B Cell Tolerance and the Germinal Center

Short Talk Chosen from Abstracts

WEDNESDAY, JUNE 1

Antibody Effector Functions and Antigen Recognition by the BCR

Michel C. Nussenzweig, HHMI/Rockefeller University, USA
The Germinal Center Reaction

Maureen McGargill, St Jude Children's Research Hospital, USA
Generation of Antibodies to Conserved Influenza A Epitopes

Tak W. Mak, Campbell Family Institute for Breast Cancer Research at Princess Margaret Hospital, University Health Network, Canada
The IgM Fc-Receptor

Jeffrey V. Ravetch, Rockefeller University, USA
Fc-Receptors for IgG

Short Talk(s) Chosen from Abstracts

Mucosal B Cell Responses

Sidonia Fagarasan, RIKEN Research Center for Allergy and Immunology, Japan

Symbiotic Regulation of Gut B and T Cells

Sergei A. Nedospasov, Engelhardt Institute of Molecular Biology, Russia

Regulation of B Cells by ILCs

Claudia Berek, Deutsches Rheuma Forschungszentrum, Germany
A Key Role of Eosinophils for the Normal Organization of the Gut Immune Compartment

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, JUNE 2

B Cells as Regulators of the Immune Response

Frances E. Lund, University of Alabama at Birmingham, USA
Cytokine-Producing Pre-Plasma Cells in Autoimmune Mice and Humans

David J. Rawlings, University of Washington / Seattle Children's Hospital Research Institute, USA
IL-17 Producing B Cells during Infection

Claudia Mauri, University College London, UK
Generation of Systemic and Mucosal B Regulatory Cells

Michael C. Carroll, Boston Children's Hospital, Harvard Medical School, USA
B Cell Interaction with the FDC

Workshop 2

Short Talks Chosen from Abstracts

Targeting B Cells for Treatment

Simone Cenci, San Raffaele Scientific Institute & University Vita-Salute San Raffaele, Italy
Targeting Malignant B Cells

Andrew C. Chan, Genentech, Inc., USA
B Cell Immunotherapy

Antonio Lanzavecchia, Institute for Research in Biomedicine, Switzerland
Broadly Neutralizing Antibodies

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

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FRIDAY, JUNE 3

Departure