

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

B Cell-T Cell Collaboration: Regulation and Dysregulation (C7)

March 21-25, 2021 • Alpbach Congress Centrum • Alpbach, Austria

Scientific Organizers: Victor L.J. Tybulewicz, Kai-Michael Toellner, Julie Zikherman and Pamela L. Schwartzberg

Supported by the Directors' Fund

Scholarship Deadline: December 10, 2020 / Abstract Deadline: January 6, 2021 / Discounted Registration Deadline: January 21, 2021

SUNDAY, MARCH 21

Arrival and Registration

MONDAY, MARCH 22

Welcome and Keynote Address

Garnett H. Kelsoe, Duke University and Medical Center, USA
Germinal Centers and Broadly Neutralizing Antibodies

Migration and Stroma

Jason G. Cyster, HHMI/University of California, San Francisco, USA
Cell Migration and Lymphoid Tissue Stroma

Stephanie C. Eisenbarth, Yale University, USA
Dendritic Cells and the T-Dependent Antibody Response

Shannon J. Turley, Genentech, Inc., USA
Stromal Cell Function in Immunity and Cancer

Short Talks Chosen from Abstracts

Workshop 1: Germinal Centers: Generation and Function

Short Talks Chosen from Abstracts

Selection in the Germinal Center

Hai Qi, Tsinghua University, China
B Cell:T Cell Interactions in the Germinal Center

Gabriel D. Victora, Rockefeller University, USA
Affinity Maturation in the Germinal Center

Kai-Michael Toellner, University of Birmingham, UK
Migration of Memory B Cells

Short Talks Chosen from Abstracts

Poster Session 1

TUESDAY, MARCH 23

Tfh Cells

Casey T. Weaver, University of Alabama at Birmingham, USA
Follicular v Non-Follicular Helper T Cells

Pamela L. Schwartzberg, NIAID, NHGRI, National Institutes of Health, USA
PI3 Kinase-Mediated Pathways Orchestrate T and B Cell

Contributions to Humoral Responses during Immunization and Infection

Michelle A. Linterman, Babraham Institute, UK
Rejuvenating the Germinal Centre Response

Carola G. Vinuesa, Australian National University, Australia
Human Tfh Biology

Short Talks Chosen from Abstracts

Workshop 2: Immunological Memory

Short Talks Chosen from Abstracts

Memory

Mark J. Shlomchik, University of Pittsburgh School of Medicine, USA
Functions and Heterogeneity of Memory B Cells

Tri Giang Phan, Garvan Institute of Medical Research, Australia
Reactivation of Memory B Cells

David M. Tarlinton, Monash University, Australia

Pathways to the Generation and Maintenance of Plasma Cells

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, MARCH 24

Immunity to Infection

Kathrin de la Rosa, Max Delbrück Center, Germany
Antibody Diversification through Non-VDJ Insertions

Matteo Iannacone, Fondazione Centro San Raffaele, Italy
Imaging B Cell Responses to Infection

Susan Moir, NIAID, National Institutes of Health, USA
B Cell Responses to HIV

Speaker to be Announced

Short Talks Chosen from Abstracts

B Cell Signaling

Speaker to be Announced

Victor L.J. Tybulewicz, Francis Crick Institute, UK
Survival Pathways in Naïve and Memory B Cells

Pavel Tolar, Francis Crick Institute, UK
B Cell Signal Wiring for Fate Decisions

Short Talks Chosen from Abstracts

Poster Session 3

THURSDAY, MARCH 25

Autoimmunity

Christopher C. Goodnow, Garvan Institute of Medical Research, Australia

Progression from Benign to Pathogenic Autoantibody by Somatic Mutation in a Rogue Clone

Wanli Liu, Tsinghua University, China
Autoimmune Variant of IgG1 Modulates B Cell Activation and Differentiation

Julie Zikherman, University of California, San Francisco, USA
Negative Regulation of Self-Reactive B Cells

Roberta Pelanda, University of Colorado Denver, USA
Active PI3-Kinase Signaling Abrogates Central Tolerance in Autoreactive B Cells

Short Talks Chosen from Abstracts

Workshop 3: Autoimmunity and Immune Dysregulation

Short Talks Chosen from Abstracts

Immune Dysregulation

David J. Rawlings, University of Washington, Seattle Children's Hospital Research Institute, USA
Gene Editing in Primary B Cells to Query Plasma Cell Function and Develop Novel Cell Therapies

Jennifer L. Gommerman, University of Toronto, Canada
Mucosal B Cells in Health and Disease

Christopher D. C. Allen, University of California, San Francisco, USA
Generation and Function of IgE in Allergy

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

FRIDAY, MARCH 26

Departure