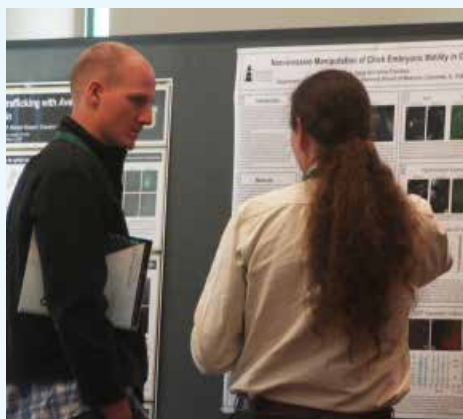




Join Keystone Symposia
for the 2016 conference on:

T Follicular Helper Cells and Germinal Centers

February 26–March 1, 2016

Hyatt Regency Monterey | Monterey, California | USA

Scientific Organizers: Shane Crotty and Carola G. Vinuesa

Follicular helper CD4 T cells (Tfh) are the specialized providers of B cell help and are essential for germinal centers and most antibody responses. Germinal centers are the engines of rapid B cell evolution and have exquisitely complex cellular dynamics. Tfh differentiation is a multistage, multifactorial process. Tfh have recently emerged as major players in protective immunity to pathogens, generation of high-affinity and long-term antibody responses to vaccines, autoimmune diseases, allergies and even cancer. However, there are major gaps in our understanding of Tfh differentiation, Tfh function, germinal center function and the biological selection of high-affinity antibody responses in vivo in a variety of relevant anti-pathogen and autoimmune contexts. This conference will bring together scientists and physicians from a range of disciplines and disease models to elaborate the complex biology of Tfh cells and germinal centers and discuss emerging avenues to manipulate them in clinical settings.

Session Topics:

- Tfh Differentiation
- Workshop 1: Tfh Differentiation
- Tfh Functions and B Cell Functions
- Germinal Center B Cell Biology and Selection: T Cell Help
- Workshop 2: Germinal Center B Cell Biology and Selection: T Cell Helps
- Tfh and GCs in Infections and Vaccines
- Human Tfh and GCs and Lessons from Human Diseases
- Workshop 3: Tfh and GCs in Disease
- Tfh and GCs in Autoimmunity and Allergy/Type 2 Responses
- Complexities of Tfh and GC Regulation: Molecules, Cells and Systems
- Workshop 4: Memory and its Regulation
- Memory and its Regulation



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: Oct 27, 2015

Abstract Deadline: Nov 30, 2015

Discounted Registration Deadline: Jan 5, 2016

For additional details, visit www.keystonesymposia.org/16B4.

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FRIDAY, FEBRUARY 26

Arrival and Registration

SATURDAY, FEBRUARY 27

Welcome and Keynote Address

Chen Dong, Tsinghua University, China
Early Events in Tfh Differentiation

Tfh Differentiation

Shane Crotty, La Jolla Institute for Allergy and Immunology, USA
Genetics of Tfh Differentiation

John J. O'Shea, NIAMS, National Institutes of Health, USA
Epigenetics and MicroRNAs in Tfh Differentiation

Arlene H. Sharpe, Harvard Medical School, USA
Control of Tfh Cells by T Follicular Regulatory Cells

Short Talk(s) Chosen from Abstracts

Workshop 1: Tfh Differentiation

Short Talks Chosen from Abstracts

Tfh Functions and B Cell Functions

Carola G. Vinuesa, Australian National University, Australia
Novel Intermediaries of Tfh:B Cell Crosstalk

Facundo D. Batista, Cancer Research UK, London Research Institute, UK
B Cell Asymmetric Division

Pamela L. Schwartzberg, NHGRI, National Institutes of Health, USA
SAP and SLAM Family Functions

Short Talk Chosen from Abstracts

Poster Session 1

SUNDAY, FEBRUARY 28

Germinal Center B Cell Biology and Selection: T Cell Help

Gabriel D. Victora, Whitehead Institute for Biomedical Research, USA
GC B:T Dynamics

Hai Qi, Tsinghua University, China
Tfh Interactions with B Cells in vivo

Michelle Angela Linterman, Babraham Institute, UK
Tfr Cells and Negative Selection in Germinal Centers

Jason G. Cyster, HHMI/University of California, San Francisco, USA
Selection in the Germinal Center

Short Talk(s) Chosen from Abstracts

Poster Session 2

Workshop 2: Germinal Center B Cell Biology and Selection: T Cell Help

Short Talks Chosen from Abstracts

Tfh and GCs in Infections and Vaccines

Michel C. Nussenzweig, HHMI/Rockefeller University, USA
The Importance of GC Biology in HIV Vaccine Development

Elina I. Zuniga, University of California, San Diego, USA
Tfh Cell Regulation during Viral Infection

Hideki Ueno, Baylor Institute for Immunology Research, USA
Blood Tfh Come in Colors

Short Talk Chosen from Abstracts

MONDAY, FEBRUARY 29

Human Tfh and GCs and Lessons from Human Diseases

Mark M. Davis, Stanford University, USA
Human T Cell Response to Influenza Vaccines

Di Yu, Monash University, Australia
Monitoring and Modulation of Tfh Cell Activity: A Tale of Two Cytokines

Riccardo Dalla-Favera, Columbia University, USA
Germinal Centers and B Cell Lymphoma Genesis

Stuart G. Tangye, Garvan Institute of Medical Research, Australia
Tfh and B Cell Memory: Lessons from Human Genetic Diseases

Short Talk(s) Chosen from Abstracts

Workshop 3: Tfh and GCs in Disease

Short Talks Chosen from Abstracts

Tfh and GCs in Autoimmunity and Allergy/Type 2 Responses

Joseph E. Craft, Yale University, USA
Tfh and Lupus

Cecile King, Garvan Institute of Medical Research, Australia
Tfh-Like Cells in Type 1 Diabetes

Frances E. Lund, University of Alabama at Birmingham, USA
Tuning Autoantibody Production by Modulating the Blimp1/Bcl6 Balance in B Cells

Short Talk Chosen from Abstracts

Poster Session 3

TUESDAY, MARCH 1

Complexities of Tfh and GC Regulation: Molecules, Cells and Systems

Ari M. Melnick, Weill Cornell Medical College, USA
Bcl6 Functions in Tfh and GC B Cells

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

Follicular Dendritic Cells (FDC) as Regulators of GC B Cells and Tfh Cells

Bali Pulendran, Emory University, USA
Systems Biology Insights in Tfh and their APCs

Short Talk(s) Chosen from Abstracts

Workshop 4: Memory and its Regulation

Short Talks Chosen from Abstracts

Memory and its Regulation

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Marc K. Jenkins, University of Minnesota Medical School, USA
Insights into CD4 T Cell Differentiation and T Cell Memory from Single Cells

Michael G. McHeyzer-Williams, The Scripps Research Institute, USA
Heterogeneity of Tfh and B Cell Memory

David M. Tarlinton, Walter and Eliza Hall Institute of Medical Research, Australia
Generation of Memory B Cells

Rafi Ahmed, Emory University School of Medicine, USA
Tfh Cell Memory

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

WEDNESDAY, MARCH 2

Departure