

B Cell-T Cell Interactions (J6)

joint with the meeting on [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

Scientific Organizers: Gabriel D. Victora and Carola G. Vinuesa

February 10–14, 2019

Keystone Resort, Keystone, Colorado, USA

Sponsored by BioLegend, Inc.

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Registered attendees of one meeting in a joint pair may participate in sessions of the other, pending space availability.

DEADLINES:

**All deadlines end at 11:59 PM US Mountain Standard Time*

Scholarship Deadline: Oct 23, 2018 [\[details\]](#)

Discounted Abstract Deadline: Oct 23, 2018 [\[details\]](#)

Abstract Deadline: Nov 7, 2018 [\[details\]](#)

Discounted Registration Deadline: Dec 6, 2018 [\[details\]](#)

[Click here to view Cancellation Policy.](#)

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Conference Program [Print](#) | [View meeting in 12 hr \(am/pm\) time](#)

The meeting will begin on Sunday, February 10 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, February 14 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, February 15 in order to fully experience the meeting.

SUNDAY, FEBRUARY 10

16:00–20:00	Arrival and Registration	Longs Peak Foyer
18:00–20:00	Welcome Mixer	Longs Peak Foyer
No registration fees are used to fund alcohol served at this function.		

MONDAY, FEBRUARY 11

07:00–08:00	Breakfast	Colorado Rockies Ballroom
08:00–09:00	Welcome and Keynote Address (Joint)	Columbine Ballroom
	Registered attendees can view abstracts starting on 01/10/2019	
	Antonio Lanzavecchia, Institute for Research in Biomedicine, Switzerland <i>The B Cell Immune Response to Infection and Vaccination</i>	
09:00–11:15	Tfh Biology	Quandary Peak
	Registered attendees can view abstracts starting on 01/10/2019	
	Carola G. Vinuesa, Australian National University, Australia <i>Human Tfh Biology</i>	
	Coffee Break	

Hai Qi, Tsinghua University, China
Guidance Cues for Tfh Cells

Shane Crotty, La Jolla Institute for Allergy and Immunology, USA
Tfh Cell and Germinal Center B Cell Responses in the Context of Vaccines

Short Talk(s) Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

09:00–11:15

Targeting Appropriate Immune Responses for Structure-based Design

[Registered attendees](#) can view abstracts starting on 01/10/2019

Dennis R. Burton, The Scripps Research Institute, USA
From Antibody to Vaccine

[Grays/Longs Peak](#)

Coffee Break

George Georgiou, University of Texas at Austin, USA
Molecular Definition of Protective Serum Responses from Vaccination and for Immune Monitoring

Peter D. Kwong, NIAID, National Institutes of Health, USA
Iterative Structure-Based Optimization of Antibody-Guided Vaccines

Short Talk(s) Chosen from Abstracts

11:15–17:00

On Own for Lunch

11:15–13:00

Poster Setup

[Colorado Rockies Ballroom](#)

13:00–22:00

Poster Viewing

[Colorado Rockies Ballroom](#)

14:30–16:30

Workshop 1: B Cell Biology in T-Dependent Responses

[Quandary Peak](#)

Short Talks Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

14:30–16:30

Workshop 1: Molecular Characteristics of Serum Responses Which Could Serve as Appropriate Templates for Vaccine Design

Short Talks Chosen from Abstracts

[Grays/Longs Peak](#)

16:30–17:00

Coffee Available

[Longs Peak Foyer](#)

17:00–19:00

Regulation of the GC Response

[Registered attendees](#) can view abstracts starting on 01/10/2019

Andre Ballesteros-Tato, University of Alabama at Birmingham, USA
Regulation of IL-2 Responses in the GC

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

Di Yu, Australian National University, Australia
Follicular Cytotoxic T Cells: Friends or Foes?

Short Talk(s) Chosen from Abstracts

[Quandary Peak](#)

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

17:00–19:00

Clinical Results from Structure-based Vaccines

[Registered attendees](#) can view abstracts starting on 01/10/2019

Sumana Chandramouli, GSK Vaccines, USA
A Structural Biology Approach to Developing an HCMV Vaccine

[Grays/Longs Peak](#)

Amy S. Espeseth, Merck & Co., Inc., USA
mRNA Vaccines Expressing Forms of RSV-F Protein are Immunogenic and Protective in Preclinical Models of Respiratory Syncytial Virus Infection

Barney S. Graham, NIAID, National Institutes of Health, USA
Clinical Results from the Prefusion-Stabilized RSV F (DS-Cav1) Subunit Vaccine

Short Talk(s) Chosen from Abstracts

19:00–20:00 **Social Hour with Lite Bites** [Colorado Rockies Ballroom](#)
 No registration fees are used to fund alcohol served at this function.

19:30–22:00 **Poster Session 1** [Colorado Rockies Ballroom](#)

TUESDAY, FEBRUARY 12

07:00–08:00 **Breakfast** [Colorado Rockies Ballroom](#)

08:00–09:00 **Keynote Address (Joint)** [Columbine Ballroom](#)

[Registered attendees](#) can view abstracts starting on 01/10/2019

Michel C. Nussenzweig, HHMI/Rockefeller University, USA
Antibody Responses and Antibodies

09:00–11:15 **Germinal Center Biology** [Quandary Peak](#)

[Registered attendees](#) can view abstracts starting on 01/10/2019

Gabriel D. Victora, Rockefeller University, USA
Clonal Dynamics of the Antibody Response

Coffee Break

Jason G. Cyster, HHMI/University of California, San Francisco, USA
Guidance Cues in the B Cell Response

Tomohiro Kurosaki, WPI Immunology Frontier Research Center, Osaka University, Japan
Memory Cell Differentiation in the Germinal Center

Short Talk(s) Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

09:00–11:15 **B Cell Ontogenies as Vaccine Templates**

[Registered attendees](#) can view abstracts starting on 01/10/2019

Lynn Morris, National Institute for Communicable Diseases, South Africa
V2-directed vaccine-like antibodies from HIV-1 infection mediate ADCC and block α4β7 interactions

Coffee Break

William Schief, IAVI and The Scripps Research Institute, USA
Germline-Targeting Vaccine Design

Frederick W. Alt, Boston Children's Hospital, USA
Mouse Models for Lineage-Based Vaccines

Short Talk(s) Chosen from Abstracts

11:15–17:00 **On Own for Lunch**

11:15–13:00 **Poster Setup** [Colorado Rockies Ballroom](#)

13:00–22:00 **Poster Viewing** [Colorado Rockies Ballroom](#)

14:30–16:30 **Workshop 2: Tfh/Tfr Differentiation and Function** [Quandary Peak](#)

Short Talks Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

14:30–16:30

Workshop 2: Antibody Isolation and B Cell Sequencing

[Grays/Longs Peak](#)

Short Talks Chosen from Abstracts

16:30–17:00

Coffee Available

[Longs Peak Foyer](#)

17:00–19:00

Programming T Cells to Help B Cells

[Quandary Peak](#)

[Registered attendees](#) can view abstracts starting on 01/10/2019

Virginia Pascual†, Cornell University, USA
Talk Title to be Announced

Casey T. Weaver, University of Alabama at Birmingham, USA
Programming the Early Bifurcation of Tfh and Non-Tfh Effector Responses

Philippa C. Marrack, HHMI/National Jewish Health, USA
Tfh Memory

Short Talk(s) Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

17:00–19:00

Tackling Difficult Pathogens with Antibody-Based Vaccine Design

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Grays/Longs Peak](#)

Ian A. Wilson, The Scripps Research Institute, USA
Towards a Universal Influenza Virus Vaccine: Is it Better to Target the HA Head or Stem?

Sarah F. Andrews, National Institutes of Health, USA
Identifying Common Antibody Lineages to Evaluate Clinical Responses to Influenza Vaccination

Erica Ollmann Saphire, The Scripps Research Institute, USA
Vaccine Design from a Prefusion-Stabilized Lassa Virus Trimer Structure

Short Talk(s) Chosen from Abstracts

19:00–20:00

Social Hour with Lite Bites

No registration fees are used to fund alcohol served at this function.

[Colorado Rockies Ballroom](#)

19:30–22:00

Poster Session 2

[Colorado Rockies Ballroom](#)

WEDNESDAY, FEBRUARY 13

07:00–08:00

Breakfast

[Colorado Rockies Ballroom](#)

08:00–09:30

Keynote Session (Joint)

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Columbine Ballroom](#)

Facundo D. Batista, Ragon Institute of MGH, MIT and Harvard, USA
Importance of B Cell-T Cell Interactions in Mouse Vaccine Models

Hedda Wardemann, German Cancer Research Center, Germany
Development and Clonal Evolution of Human Memory B Cell Antibody Responses

Coffee Break

09:50–11:15

B Cell Responses in Infectious Disease

[Quandary Peak](#)

[Registered attendees](#) can view abstracts starting on 01/10/2019

Patrick C. Wilson, University of Chicago, USA
The B Cell Response to Influenza and Vaccination

Frances E. Lund, University of Alabama at Birmingham, USA
T Cell Dependent Memory B Cell Responses in Influenza Infection and Vaccination

Short Talk(s) Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

09:50–11:15

Immune Monitoring of B Cell Responses

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Grays/Longs Peak](#)

Michael Joseph Mina, Brigham and Women's Hospital, USA
Reading the Record of Immunity: Profiling the Anti-Virome Antibody Repertoire with Phage Display and Deep Neural Networks

Margaret Ellen Ackerman, Dartmouth College, USA
Measuring and Mining Serum Antibody Responses to Understand Protection from Infection

Short Talk(s) Chosen from Abstracts

11:15–17:00

On Own for Lunch

11:15–13:00

Poster Setup

[Colorado Rockies Ballroom](#)

13:00–22:00

Poster Viewing

[Colorado Rockies Ballroom](#)

14:30–16:30

Workshop 3: B Cell-T Cell Interactions in Disease

[Quandary Peak](#)

Short Talks Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

14:30–16:30

Workshop 3: Molecular Approaches to Probe the Elicited Vaccine Response

[Grays/Longs Peak](#)

Short Talks Chosen from Abstracts

16:30–17:00

Coffee Available

[Longs Peak Foyer](#)

17:00–19:00

Memory Humoral Responses

[Quandary Peak](#)

[Registered attendees](#) can view abstracts starting on 01/10/2019

Marc K. Jenkins, University of Minnesota Medical School, USA
Memory T and B Cell Responses

Mark J. Shlomchik, University of Pittsburgh School of Medicine, USA
Memory B Cell Subsets

Marion Pepper, University of Washington, USA
Memory B Cells in Plasmodium Infection

Short Talk(s) Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring \(J5\)](#)

17:00–19:00

Optimizing Vaccine Responses

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Grays/Longs Peak](#)

Neil P. King, University of Washington, USA
Atomic-Level Design to Increase the Magnitude of B Cell Responses

Günther Staffler, AFFiRiS AG, Austria
Towards a Heart Attack Vaccine: PCSK9 as a Immunogen

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

19:00–20:00	Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.	Colorado Rockies Ballroom
19:30–22:00	Poster Session 3	Colorado Rockies Ballroom

THURSDAY, FEBRUARY 14

07:00–08:00	Breakfast	Colorado Rockies Ballroom
08:00–11:00	Humoral Autoimmunity and Allergic Responses Registered attendees can view abstracts starting on 01/10/2019 Rachel Ettinger , Viela Bio, USA <i>VIB4920, a Novel CD40L Antagonist, Decreased Disease Activity and Improved Biomarkers of Immune Activation in a Phase 1b, Proof-of-Concept Study in Rheumatoid Arthritis</i> Michael C. Carroll , Boston Children's Hospital, Harvard Medical School, USA <i>Epitope Spreading in Autoimmune Germinal Centers</i> Coffee Break Maria A. Curotto de Lafaille , NYU School of Medicine, USA <i>Biology of IgE Affinity Maturation</i> Christopher C. Goodnow , Garvan Institute of Medical Research, Australia <i>Progression from benign to pathogenic autoantibody by somatic mutation in a rogue clone: single cell RNA & DNA sequencing</i> Short Talk(s) Chosen from Abstracts	Quandary Peak

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring_\(J5\)](#).

08:00–11:00	Vaccines: Better, Faster, and Less Expensive! Registered attendees can view abstracts starting on 01/10/2019 Rino Rappuoli , GlaxoSmithKline Vaccines, Italy <i>Developing Vaccines against Pandemics and for the Developing World</i> Laura M. Walker , Adimab, USA <i>Rapid Antibody Identification to Speed Pandemic Responses</i> Coffee Break Brandon DeKosky , University of Kansas, USA <i>Paired Heavy-Light Chain Sequencing and Display to Optimize Immune Readout from Vaccination and for Immune Monitoring</i> Julie Ledgerwood , NIAID, National Institutes of Health, USA <i>Immune Monitoring to Increase the Likelihood of Phase 2 Success</i> Short Talk(s) Chosen from Abstracts	Grays/Longs Peak
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11:00–17:00 **On Own for Lunch**

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring_\(J5\)](#).

14:30–16:30	Workshop 4: Molecular Approaches for Rapid Identification/Optimization of Target Antigens Short Talks Chosen from Abstracts	Grays/Longs Peak
16:30–17:00	Coffee Available	Longs Peak Foyer
17:00–18:45	T-Dependent B Cell Differentiation Registered attendees can view abstracts starting on 01/10/2019 Klaus Rajewsky , Max Delbrück Center for Molecular Medicine, Germany	Quandary Peak

Transcriptional Programming of GC B Cell Differentiation

Meinrad Busslinger, Research Institute of Molecular Pathology, Austria
Ikaros Prevents Autoimmunity by Promoting Anergy Induction and Restraining Toll-like Receptor Signaling in B cells

Robert Brink, Garvan Institute of Medical Research, Australia
Constant Region-Based Selection in the Germinal Center Reaction

Short Talk Chosen from Abstracts

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring_\(J5\)](#).

17:00–18:45

Reducing Vaccine Risks and Costs

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Grays/Longs Peak](#)

Jeffrey B. Ulmer, GSK Vaccines, USA
Molecular Approaches to Streamlining Vaccine Discovery and Development

Katalin Karikó, BioNTech RNA Pharmaceuticals, Germany
Advantages of an mRNA Vaccine Approach

Gary J. Nabel, Sanofi, USA
How Appropriate Choice of a Human Antibody Template Reduces Vaccine Development Risks

Short Talk Chosen from Abstracts

18:45–19:00

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

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Grays/Longs Peak](#)

Following Session is for [Molecular Approaches to Vaccines and Immune Monitoring_\(J5\)](#).

18:45–19:00

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

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Grays/Longs Peak](#)

19:00–20:00

Social Hour with Lite Bites

No registration fees are used to fund alcohol served at this function.

[Colorado Rockies Ballroom](#)

20:00–23:00

Entertainment

Entertainment is not subsidized by conference registration fees nor any U.S. federal government grants. Funding for this expense is provided by other revenue sources.

[Colorado Rockies Ballroom](#)

FRIDAY, FEBRUARY 15

Departure

*Session Chair †Invited, not yet responded.

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