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## Emerging Cellular Therapies: T Cells and Beyond (B6)

joint with the meeting on [Lymphocytes and their Roles in Cancer \(R1\)](#)

Scientific Organizers: Carl H. June, Marcela V. Maus and Bruce R. Blazar

February 11–15, 2018

Keystone Resort, Keystone, Colorado, USA

*Sponsored by BioLegend, Inc., Juno Therapeutics and Sangamo Therapeutics, 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:

Scholarship Deadline: Oct 11, 2017 [\[details\]](#)

Discounted Abstract Deadline: Oct 11, 2017 [\[details\]](#)

Abstract Deadline: Nov 9, 2017 [\[details\]](#)

Discounted Registration Deadline: Dec 13, 2017 [\[details\]](#)

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*No registration fees are used to fund entertainment or alcohol at this conference*

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

The meeting will begin on Sunday, February 11 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, February 15 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 16 in order to fully experience the meeting.

### SUNDAY, FEBRUARY 11

16:00–20:00	Arrival and Registration	<a href="#">Longs Peak Foyer</a>
18:00–20:00	Welcome Mixer	<a href="#">Longs Peak Foyer</a>
No registration fees are used to fund alcohol served at this function.		

### MONDAY, FEBRUARY 12

07:00–08:00	Breakfast	<a href="#">Colorado Rockies Ballroom</a>
08:00–09:00	Welcome and Keynote Address	<a href="#">Grays/Longs Peak</a>
<a href="#">Registered attendees</a> can view abstracts starting on 01/11/2018		
Ton N. Schumacher, Netherlands Cancer Institute, Netherlands <i>Tumor Cell Sensitivity and Resistance to T Cell Attack</i>		

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

08:00–09:00	Welcome and Keynote Address	<a href="#">Quandary Peak</a>
<a href="#">Registered attendees</a> can view abstracts starting on 01/11/2018		
Alexander Y. Rudensky, HHMI/Memorial Sloan Kettering Cancer Center, USA <i>Regulatory T Cells and their Functions in the Tumor Microenvironment</i>		
09:00–11:15	CAR/TCR Preclinical	<a href="#">Grays/Longs Peak</a>
<a href="#">Registered attendees</a> can view abstracts starting on 01/11/2018		
Philip D. Greenberg, University of Washington, USA <i>Making TCR-Modified T Cells Effective for Leukemia and Solid Tumors</i>		
Coffee Break		
Crystal L. Mackall, Stanford University, USA <i>CAR T Cells in Pediatric Malignancies</i>		
Stanley R. Riddell, Fred Hutchinson Cancer Research Center, University of Washington, USA		

*CAR T Cells of Defined Composition in B Cell Malignancies*

## Short Talk(s) Chosen from Abstracts

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

09:00–11:15

**Understanding Lymphocytic Malignancy: Leukemia and Lymphoma**Registered attendees can view abstracts starting on 01/11/2018[Quandary Peak](#)

Louis M. Staudt, National Cancer Institute, NIH, USA  
*Therapy of Lymphoma Inspired by Functional and Structural Genomics*

## Coffee Break

Charles G. Mullighan, St. Jude Children's Research Hospital, USA  
*Biology of Relapse in Acute Lymphoblastic Leukemia*

Katia Georgopoulos, Massachusetts General Hospital, USA  
*Early Events in Lymphocytic Differentiation and Transformation*

## 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: Perspectives from Industry and FDA: Roundtable**[Grays/Longs Peak](#)

## Short Talks Chosen from Abstracts

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

14:30–16:30

## Workshop 1

## Short Talks Chosen from Abstracts

16:30–17:00

## Coffee Available

[Longs Peak Foyer](#)

17:00–19:00

## Synthetic Biology

Registered attendees can view abstracts starting on 01/11/2018[Grays/Longs Peak](#)

Darrell J. Irvine, Massachusetts Institute of Technology, USA  
*Chemically engineering T cell therapies*

Wendell A. Lim, University of California, San Francisco, USA  
*Optimizing Synthetic Biology Tools for T Cell Therapies*

Travis Young, California Institute for Biomedical Research, USA  
*Controlling CAR-T Cells*

## Short Talk Chosen from Abstracts

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

17:00–19:00

**Therapeutic Targeting of Lymphocytic Malignancy**Registered attendees can view abstracts starting on 01/11/2018[Quandary Peak](#)

Irene M. Ghobrial, Dana Farber Cancer Institute, USA  
*Targeting the Tumor Microenvironment in Multiple Myeloma*

Adolfo Ferrando, Columbia University, USA  
*Acute Lymphoblastic Leukemia, Role of Metabolic Rewiring*

Iannis Aifantis, New York University School of Medicine, USA  
*Targeting the Tumor Microenvironment in Acute Leukemia*

## Short Talk 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 1

[Colorado Rockies Ballroom](#)**TUESDAY, FEBRUARY 13**

07:00–08:00

[Colorado Rockies Ballroom](#)

**Breakfast**

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

08:00–11:00

**Cellular Therapies in Blood Malignancies and Beyond**

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Quandary Peak](#)

Carl H. June, University of Pennsylvania, USA  
*CAR T Cells and their Therapeutic Promise in the Treatment of Leukemia*

Crystal L. Mackall, Stanford University, USA  
*Recent Updates of Chimeric Antigen Receptor Clinical Trials*

**Coffee Break**

Chiara Bonini, Vita- Salute San Raffaele University, Italy  
*Gene Editing of Memory Stem T Cells for Cancer Immunotherapy*

Michel Sadelain, Memorial Sloan Kettering Cancer Center, USA  
*Next Generation CAR-T Cell-Expressing Vectors and in vivo Utilization*

**Short Talk(s) Chosen from Abstracts**

08:00–11:00

**Engineered T Cells for HIV**

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Grays/Longs Peak](#)

Catherine M. Bollard, Children's National Health System, USA  
*Developing HIV-specific T Cell Therapies: Lessons from EBV*

Paula M. Cannon, University of Southern California, Keck School of Medicine, USA  
*Shutting the Door on HIV with Stem Cells and More*

**Coffee Break**

James L. Riley, University of Pennsylvania, USA  
*Engineering T Cells to Functionally Cure HIV-1 Infection*

**Speaker to be Announced****Short Talk(s) Chosen from Abstracts**

11:00–17:00

**On Own for Lunch**

11:00–13:00

**Poster Setup**

[Colorado Rockies Ballroom](#)

13:00–22:00

**Poster Viewing**

[Colorado Rockies Ballroom](#)

16:30–17:00

**Coffee Available**

[Longs Peak Foyer](#)

17:00–19:00

**CAR/TCR in the Clinic for Cancer**

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Grays/Longs Peak](#)

Stephen J. Forman, City of Hope, USA  
*CAR Trials in the Clinic*

Marcela V. Maus, Harvard Medical School, USA  
*CAR T Cells for Glioblastoma and/or Multiple Myeloma*

Saar I. Gill, University of Pennsylvania, USA  
*CAR T Cells for Acute Myelogenous Leukemia*

**Short Talk Chosen from Abstracts**

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

17:00–19:00

**Lymphocytes as Elements of the Tumor Microenvironment**

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Quandary Peak](#)

David H. Raulet, University of California, Berkeley, USA  
*Immune Surveillance of Cancer Cells by Natural Killer Cells*

Michael Kalos, Eli Lilly and Company, USA  
*T Cells in the Microenvironment: Conductors, First Violin, or Part of the Orchestra?*

Lisa M. Coussens, Oregon Health & Science University, USA  
*Immune Microenvironments in Solid Tumors*

**Short Talk 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](#)

[Colorado Rockies](#)

[Ballroom](#)

19:30–22:00

## Poster Session 2

### WEDNESDAY, FEBRUARY 14

07:00–08:00

## Breakfast

[Colorado Rockies](#)

[Ballroom](#)

08:00–11:00

## Tregs as Cellular Therapeutics

[Grays/Longs Peak](#)

[Registered attendees](#) can view abstracts starting on 01/11/2018

**Bruce R. Blazar**, University of Minnesota, USA  
*Vimentin Restrains Regulatory T-cell Suppression of Graft-versus-Host Disease*

**Jeffrey A. Bluestone**, University of California, San Francisco, USA  
*Tregs for Diabetes and Autoimmune Diseases*

## Coffee Break

**Megan K. Levings**, University of British Columbia, Canada  
*HLA-A2 Directed CAR Tregs*

**Laurence A. Turka**, Massachusetts General Hospital, USA  
*Tregs for Solid Organ Transplantation*

## Short Talk(s) Chosen from Abstracts

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

08:00–11:00

## Emerging Technologies: Visualization and Dissection of Tumor Microenvironment

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Quandary Peak](#)

**Matthew F. Krummel**, University of California, San Francisco, USA  
*Visualization of the Immune Response during Establishment of Metastases*

**Jerome Galon**, INSERM U872, Cordeliers Research Center, France  
*Immunoscore as a Stronger Predictor of Patient Survival in Colorectal Cancer*

## Coffee Break

**Mikala Egeblad**, Cold Spring Harbor Laboratory, USA  
*Visualization of the Switch from Immune Control to Immune Escape*

**Michael Goldberg**, Dana-Farber Cancer Institute, USA  
*Enhancing Cancer Immunotherapy through Immuno-Engineering*

## Short Talk(s) Chosen from Abstracts

11:00–17:00

## On Own for Lunch

11:00–13:00

## Poster Setup

[Colorado Rockies](#)

[Ballroom](#)

13:00–22:00

## Poster Viewing

[Colorado Rockies](#)

[Ballroom](#)

14:30–16:30

## Workshop 2: Late Breaking Talks

[Grays/Longs Peak](#)

## Short Talks Chosen from Abstracts

16:30–17:00

## Coffee Available

[Longs Peak Foyer](#)

17:00–19:00

## Beyond T Cells: HSC, T Progenitor, and iPSCs I

[Grays/Longs Peak](#)

[Registered attendees](#) can view abstracts starting on 01/11/2018

## Speaker to be Announced

**Martin Pule**, University College London, UK  
*New Designs in Synthetic T Cells*

**Jeffrey Steven Miller**, University of Minnesota, USA  
*Talk Title to be Announced*

## Short Talk Chosen from Abstracts

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

17:00–19:00

## Emerging Concepts in the Development of Tumor Vaccines

Registered attendees can view abstracts starting on 01/11/2018

Quandary Peak

Ugur Sahin, TRON - Translationale Oncology, Germany  
*Systemic RNA Delivery, Dendritic Cell Vaccines and Implications for Cancer Immunotherapy*

Cornelis J. M. Melief, Leiden University Medical Center, Netherlands  
*Combination Immunotherapy of Cancers caused by High Risk HPV16*

Johanna Olweus, University of Oslo, Norway  
*Targeting Cancer with Donor-Derived T Cell Receptors*

Short Talk 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 15

07:00–08:00

**Breakfast**

Colorado Rockies  
Ballroom

08:00–11:00

**Beyond T Cells: HSC, T Progenitor, and iPSCs II**

Registered attendees can view abstracts starting on 01/11/2018

Grays/Longs Peak

Juan Carlos Zúñiga-Pflücker, Sunnybrook Research Institute, Canada  
*Generation of Human Progenitor T Cells from Stem Cells*

Michel Sadelain, Memorial Sloan Kettering Cancer Center, USA  
*iPS-Derived Genetically-Modified T Cells*

Coffee Break

Jakub Tolar, University of Minnesota, USA  
*Stem Cell Correction of Congenital Disorders*

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Following Session is for Lymphocytes and their Roles in Cancer (R1)

08:00–11:00

**Combinatorial Treatments and their Effects on Lymphocyte Function in Cancer**

Registered attendees can view abstracts starting on 01/11/2018

Quandary Peak

David G. DeNardo, Washington University Medical School, USA  
*The Pancreatic Tumor Microenvironment; Modulator of Tumor Progression and Response to Therapy*

Dimitris Skokos, Regeneron Pharmaceuticals, USA  
*Talk Title to be Announced*

Coffee Break

Michael A. Curran, University of Texas MD Anderson Cancer Center, USA  
*Optimizing T Cell Frequency and Function via Checkpoint Antibody / Vaccine Combinations*

Sjoerd H. van der Burg, LUMC, Netherlands  
*Combination Treatments to Modulate Microenvironment and Boost Tumor-Specific T Cells*

Short Talk(s) Chosen from Abstracts

11:00–17:00

**On Own for Lunch**

Following Session is for Lymphocytes and their Roles in Cancer (R1)

14:30–16:30

**Workshop 2**

Short Talks Chosen from Abstracts

16:30–17:00

**Coffee Available**

Longs Peak Foyer

17:00–18:45

**Intersection of Genetic Editing and Cellular Therapy**

Registered attendees can view abstracts starting on 01/11/2018

Grays/Longs Peak

David R. Liu, Harvard University, USA  
*CRISPR-Edited Cell Therapies*

Andrew M. Scharenberg, University of Washington, USA  
*Editing T Cells and Stem Cells for Cancer Therapy*

Carl H. June, University of Pennsylvania, USA  
*Adoptive Transfer with Genetically Edited T Cells*

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

17:00–18:45

**Future Directions for Next Generation Sequencing:  
 Genomics, Epigenetics and Immunogenomics**

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Quandary Peak](#)

Dana Pe'er, Memorial Sloan Kettering Cancer Center, USA  
*A Single Cell Approach to Understanding the Tumor  
 Microenvironment*

Mickey Atwal, Cold Spring Harbor Laboratory, USA  
*High Throughput Profiling of T Cell Receptor Sequences in  
 Cancer Immunotherapy*

Manel Esteller, Belvitge Biomedical Research Institute (IDIBELL),  
 Spain  
*Cancer Epigenetics: From Knowledge to Applications*

18:45–19:00

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

[Grays/Longs Peak](#)

[Registered attendees](#) can view abstracts starting on 01/11/2018

Following Session is for [Lymphocytes and their Roles in Cancer \(R1\)](#)

18:45–19:00

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

[Registered attendees](#) can view abstracts starting on 01/11/2018

[Quandary 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 16

Departure

\*Session Chair †Invited, not yet responded.

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