MONDAY, JANUARY 22
Arrival and Registration

TUESDAY, JANUARY 23
Welcome and Keynote Session (Joint)
Hans-Peter Kiem, Fred Hutchinson Cancer Center, USA
Novel Approaches to Target HSCs for Ex Vivo and In Vivo Gene Therapy
Juan Carlos Izpisua-Belmonte, Altos Labs, USA
In Vivo Reprogramming for Rejuvenation

Cell Engineering and Regenerative Therapies (Joint)
Yvonne Y. Chen, University of California, Los Angeles, USA
Programming Novel Cancer Therapeutics
Masayo Takahashi, RIKEN Center for Developmental Biology, Japan
Cell and Gene Therapy for Retinal Regeneration
Short Talks Chosen from Abstracts

Career Roundtable (Joint)
Strategies for Engineered Cell Therapies (Q5)
Jonathan Yen, St. Jude Children's Research Hospital, USA
Therapeutic Genome Editing of Hematopoietic Stem Cells for the Treatment of Sickle Cell Disease
Paula M. Cannon, University of Southern California, Keck School of Medicine, USA
Genome Edited B Cells for Custom Antibody Production
Drew Weissman, University of Pennsylvania, USA
In vivo LNP-mRNA Therapies
Short Talks Chosen from Abstracts

Retinal and Circadian Regeneration (Q6)
Thomas A. Reh, University of Washington, USA
In Vivo Reprogramming in the Retina
Maria Pia E. Cosma, Centre for Genomic Regulation, Spain
Cell Therapy and Reprogramming in the Eye
Short Talks Chosen from Abstracts

Poster Session 1

WEDNESDAY, JANUARY 24

iPSC-Derived Therapies for Non-Malignant Disease (Q5)
Sonja Schrepfer, University of California, San Francisco and Sana Biotechnology, USA
Production of Immune Privileged iPSCs
Lorenz Studer, Memorial Sloan Kettering Cancer Center, USA
iPSC-Derived Treatment for Parkinson’s Disease
Speaker to be Announced
Talk Title to be Announced
Christine L. Mummery, Leiden University Medical Center, Netherlands
Discovering Therapies for the CVD using hiPSC
Short Talks Chosen from Abstracts

Lung Regeneration (Q6)
Carla F. Kim, Boston Children’s Hospital, USA
Lung Organoids and Lung Regeneration
Nan Tang, National Institute of Biological Sciences, China
Alveolar Regeneration
Thomas K. Waddell, University of Toronto, Canada
Stem Cell Therapies for Lung Regeneration
Jason Rock, Genentech, USA
Immune Regulation of Lung Regeneration
Short Talks Chosen from Abstracts

Novel Cancer Cell Therapies (Q5)
Dan S. Kaufman, University of California, San Diego, USA
Engineered iPSC-Derived Immune Cells for Improved Cancer Therapies
Katy Rezvani, University of Texas MD Anderson Cancer Center, USA
Clinical Translation of Engineered NK Cell-Based Therapies
Avery D. Posey, University of Pennsylvania, USA
Novel Targets for CAR-T Cell-Based Therapy
Short Talks Chosen from Abstracts

Muscle and Heart Regeneration (Q6)
James F. Martin, Baylor College of Medicine, USA
Hippo Signaling and Cardiac Regeneration
Thomas Braun, Max Planck Institute for Heart and Lung Research, Germany
Cardiac Reprogramming
Pura Muñoz Cánoves, Altos Lab, USA
Muscle Stem Cell Aging
Short Talks Chosen from Abstracts

* Session Chair † Invited but not yet accepted
Program current as of October 8, 2023. Meal formats are based on meeting venue.
For the most up-to-date details, visit https://www.keystonesymposia.org.
Poster Session 2

THURSDAY, JANUARY 25

Cell Therapy for Infectious Disease and Autoimmune Disease (Q5)

Helen Heslop, Baylor College of Medicine, Houston Methodist Hospital and Texas Children's, USA

Anti-Viral Cell Therapy

Silke Paust, The Jackson Laboratory for Genomic Medicine, USA

Mechanisms that Regulate NK Cell Anti-Viral Activity

Samik Basu, Cabaletta Bio, USA

CD19 CAR-T Cells for the Treatment of Autoimmune Disease

Fred J. Ramsdell, Sonoma Biotherapeutics, USA

T Regulatory Cells to Treat Autoimmune Disease

Short Talks Chosen from Abstracts

Rejuvenation (Q6)

Amy J. Wagers, Harvard University, USA

Stem Cell Aging and Rejuvenation

Heinrich Jasper, Genentech, Inc. and Buck Institute for Research on Aging, USA

in vivo Reprogramming for Rejuvenation

Quinton Smith, University of California, Irvine, USA

Regenerative Vascular Tissue Engineering

Short Talks Chosen from Abstracts

HSC and Gene Therapy (Joint)

Emmanuelle Passegué, Columbia University, USA

Metabolic and Stress Regulation of HSCs

Raffaella Di Micco, Ospedale San Raffaele, Italy

Mechanistic Insights to Advance HSC-Based Gene and Cell Therapies

Donald B. Kohn, University of California, Los Angeles, USA

HSC Gene Therapy for Immunodeficiencies

Short Talks Chosen from Abstracts

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

(Organizers)

FRIDAY, JANUARY 26

Departure