FRIDAY, APRIL 3
Arrival and Registration

SATURDAY, APRIL 4
Welcome and Keynote Address
Benjamin L. Ebert, Dana-Farber Cancer Institute, USA
Clonal Hematopoiesis in Hematologic Malignancies and Cardiovascular Disease

Microenvironment and Signaling
Timm Schroeder, ETH Zürich, Switzerland
Long-Term Single-Cell Quantification: New Tools for Old Questions
Sean J. Morrison, University of Texas Southwestern Medical Center, USA
Role of the Niche in HSC Regeneration
Cristina Lo Celso, Imperial College London, UK
Microenvironmental Regulation of HSC Function

Short Talks Chosen from Abstracts

Hematopoiesis during Stress and Aging
Katherine Y. King, Baylor College of Medicine, USA
Mechanisms of HSC Regulation During Infection
Ketan J. Patel, MRC Laboratory of Molecular Biology, UK
Genotoxic Stress and Repair in Stem Cells
Jennifer Trowbridge, The Jackson Laboratory, USA
Alterations in Hematopoiesis during Aging

Short Talks Chosen from Abstracts

Poster Session 1

SUNDAY, APRIL 5
HSC Biology and Development
Fernando D. Camargo, Boston Children's Hospital, USA
Assessing HSC Potential in vivo at the Single Cell Level
Shannon L. McKinney-Freeman, St. Jude Children's Research Hospital, USA
Cellular and Molecular Regulation of HSC Repopulating Activity
Camilla Forsberg, University of California Santa Cruz, USA
Chasing Mavericks: The Quest to Understand Hematopoietic Stem Cell Waves
Leonard I. Zon, HHMI/Boston Children's Hospital, USA
Pathways Regulating Hematopoietic Stem Cell Self-Renewal and Migration

Short Talks Chosen from Abstracts

Hematologic Malignancies
Daniel Starczynowski, Cincinnati Children's Hospital Medical Center, USA
Targeting Oncogenic Innate Immune Pathways in Hematologic Malignancies
Michael G. Kharas, Memorial Sloan Kettering Cancer Center, USA
RNA Binding Proteins in Leukemia
Scott A. Armstrong, Dana-Farber Cancer Institute, USA
Targeting Progenitor Self-Renewal in Leukemia

Short Talks Chosen from Abstracts

Poster Session 2

MONDAY, APRIL 6
Transcription and Epigenetics
Patricia Ernst, University of Colorado Anschutz Medical Center, USA
Epigenetic Regulation in Hematopoiesis and Leukemia
Atsushi Iwama, University of Tokyo, Japan
Transcriptional and Epigenetic Networks Governing HSC Transformation
Hanna K.A. Mikkola, University of California, Los Angeles, USA
Mechanisms Regulating Human Hematopoietic Stem Cell Specification and Self-Renewal
Margaret A. Goodell, Baylor College of Medicine, USA
Clonal Competition Among Hematopoietic Stem Cells

Short Talks Chosen from Abstracts

Hematologic Malignancies: Biology and Therapy
Ravi Majeti†, Stanford University, USA
Talk Title to be Announced
Iannis Aifantis, New York University School of Medicine, USA
RNA Binding Proteins and RNA Modifications as Therapy Targets in Acute Leukemia
Ross L. Levine, Memorial Sloan Kettering Cancer Center, USA
Targeted Therapies for MPN

Poster Session 3

TUESDAY, APRIL 7
Single Cell Biology in Normal and Malignant Hematopoiesis
H. Leighton Grimes, Cincinnati Children's Hospital Medical Center, USA
Transitional States in Hematopoiesis
William J. Greenleaf, Stanford University, USA
Single Cell Analysis Maps of Human Hematopoiesis
Ido Amit, Weizmann Institute, Israel
The Regulatory Code of Hematopoiesis at the Single Cell Level

Short Talks Chosen from Abstracts

Emerging Therapeutic Paradigms in Hematologic Malignancies
Craig T. Jordan†, University of Colorado, Anschutz Medical Campus, USA
Talk Title to be Announced
Katharine Yen, Auron Therapeutics, USA
Targeting IDH in Leukemia
Mark P. Chao, Forty Seven Inc., USA
Therapeutic Targeting of CD47, a Macrophage Checkpoint, in Malignant Hematopoiesis
Catriona H.M. Jamieson, University of California, San Diego, USA

Innate Immune Deaminases Fuel Pre-Leukemia Stem Cell Malignant Transformation

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

WEDNESDAY, APRIL 8

Departure