Blood disorders: models, mechanisms and therapies
Provisional programme

Sunday 29 September 2019

09:00  Registration & coffee

10:00  Welcome – Monica Justice (Editor-in-Chief, Disease Models & Mechanisms)

Blood development: mechanisms and pathology

10:15  Nancy Speck - University of Pennsylvania, USA
       TBC

10:45  George Daley - Harvard Medical School, USA
       Blood from a Petri dish

11:15  Short talk 1 (selected from abstracts)

11:30  Short talk 2 (selected from abstracts)

11:45  Short talk 3 (selected from abstracts)

12:00  Lunch

13:00  Trista North - Harvard University, USA
       Extrinsic regulation of vertebrate hematopoietic stem cell formation

13:30  David Traver - University of California, San Diego, USA
       TBC

Epigenetic regulation of blood development

14:00  Maria Figueroa - University of Miami, USA
       Epigenetic deregulation in aging HSC: clues to the pathogenesis of AML and MDS

14:30  Merav Socolovsky - University of Massachusetts Medical School, USA
       TBC

14:45  Coffee break & group photo

15:30  Margaret Goodell - Baylor College of Medicine, USA
       Mechanisms of HSC competition leading to clonal hematopoiesis
Erythropoiesis and red cell disorders

16:00  Stuart Orkin - Dana-Farber Cancer Institute, USA
       TBC

16:30  Vijay Sankaran - Harvard Stem Cell Institute, USA
       Genetic insights into human hematopoiesis in health and disease

17:00  Poster session with drinks and hors d’oeuvres

19:00  Depart

Monday 30 September 2019

09:00  Giuliana Ferrari - San Raffaele University Medical School, Italy
       Gene therapy for transfusion dependent beta-thalassemia: a lesson from patients

Targeting blood cancers

09:30  Paresh Vyas - University of Oxford, UK
       Mechanisms of initiation and transformation in Acute Myeloid Leukaemia

10:00  Short talk 4 (selected from abstracts)

10:15  Short talk 5 (selected from abstracts)

10:30  Coffee break

11:00  Kimberly Stegmaier - Broad Institute, USA
       Application of functional genomic screens to discover new therapeutic targets in AML

11:30  Scott Armstrong - Dana-Farber Cancer Institute, USA
       Targeting epigenetic mechanisms in leukemia

12:00  Short talk 6 (selected from abstracts)

12:15  Short talk 7 (selected from abstracts)

12:30  Lunch

13:30  Panel discussion

15:00  Coffee break

15:30  John Dick - University Health Network, Canada
       Fate regulation of human LT-HSC: insights from epigenetics
Clonal hematopoiesis

16:00  Ben Ebert - Brigham and Women’s Institute, USA  
       Genetics and biology of clonal hematopoiesis

16:30  Neal Young - National Institutes of Health, USA  
       Animal models of immune marrow failure

17:00  Short talk 8 (selected from abstracts)

17:15  Posters and pre-dinner drinks

19:00  Conference dinner

Tuesday 1 October 2019

09:00  Peter Campbell - Wellcome Trust Sanger Institute, UK  
       TBC

09:30  Fernando Camargo - Boston Children’s Hospital, USA  
       Lineage, fate and heterogeneity in native hematopoiesis

Manipulating the stem cell niche

10:00  Emmanuelle Passegué - Columbia University Medical Center, USA  
       TBC

10:30  Coffee

11:00  Short talk 9 (selected from abstracts)

11:15  Tannishtha Reya - University of California, San Diego, USA  
       TBC

11:45  Leonard Zon - Harvard University, USA  
       Pathways regulating hematopoietic stem cell self-renewal and migration

12:15  Meeting overview

12:30  Lunch

13:30  Depart