

Tuesday, May 21th

POSTER SESSION 2

P29. Isabelle Becker

Megakaryocytes Release TGF β 1 via Secretory Autophagy Downstream of RhoA
Boston Children's Hospital and Harvard Medical School

P30. Joyeeta Chakraborty

Chemical-genetics to Define RUNX-mediated transcriptional regulatory circuits
Albert Einstein College of Medicine

P31. Samantha Tauchmann

MUTATIONS IN SETBP1 INCREASE GRANULOCYTE LINEAGE OUTPUT AND ACTIVATE
TRANSCRIPTION OF PROLIFERATION-ASSOCIATED GENES
Knight Cancer Institute

P32. Estelle Carminita

Bone marrow remodeling and pro-inflammatory megakaryocytes in a murine model of chronic kidney disease
Boston Children's Hospital

P33. Nadia Carlesso

Upregulation of Stress Response Pathways in Hematopoietic Stem Cells and the Bone Marrow Niche in Sickle
Cell Disease.
Beckman Research Institute

P34. Sanika Gupte

Neutrophil-derived Sema4A is a non-cell autonomous regulator of emergency myelopoiesis that preserves
stemness of myeloid-biased HSC.
Fred Hutchinson Cancer Research Center

P35. Daniel E. Kennedy

Dnmt3a loss-of-function mutation impairs development of immune memory and innate cellular effector function
during infection
Baylor College of Medicine

P36. Alana M. Franceski

CHIP-associated Extrinsic Factors Shaping Healthy Hematopoietic Stem Cells
O'Neal Comprehensive Cancer Center

P37. Emily Tsao

Perturbed Post-Transcriptional Regulation via STAU1 Loss Contributes to Erythro- Megakaryocytic
Differentiation Defects in Del(20q) Disordered Hematopoiesis
Princess Margaret Cancer Center and University of Toronto

P38. Alexander Marr

Brd4 Inhibition Abrogates Inflammation and Self-Renewal in a Murine Model of Tet2 Mutated Clonal
Hematopoiesis
The Ohio State University

P39. Patrick Stelmach

Mutation-specific phenotypes of DNMT3A mutant stem cells in clonal hematopoiesis
German Cancer Research Center

P40. Michael Waarts

CRISPR Dependency Screens in Primary Hematopoietic Stem Cells Identify KDM3B as a Genotype-Specific Vulnerability in IDH2- and TET2-Mutant Cells
Memorial Sloan Kettering Cancer Center

P41. Venkat Sundaramurthy

IL-11 signaling drives clonal hematopoiesis-associated cardiac dysfunction
Baylor College of Medicine

P42. Taishi Yonezawa

The Ubiquitin-specific Peptidase 11 (USP11) SUMOylates DNMT3A1 and Maintains its Protein Turnover in an Opposite Manner to DCAF8
Stem Cells and Regenerative Medicine Center Baylor College of Medicine

P43. Jacob Stauber

Evolution of Donor Stem Cell Clonal Hematopoiesis in Hematopoietic Cell Transplantation
Albert Einstein College of Medicine

P44. Adi Zoref-Lorenz

Deep Proteomic Analysis Reveals Shared Terminal Mechanisms for Familial Hemophagocytic Lymphohistiocytosis and Lymphoma-Associated Hyperinflammation.
Cincinnati Children's Hospital Medical Center

P45. Manyi Wei

The RBM15-MKL1 fusion protein mediated m6A RNA modification promotes leukemia by regulating expression of Fzd genes
Yale University School of Medicine

P46. Courtnee Clough

UBA6 inhibition selectively targets mutant-UBA1 cells in VEXAS syndrome
Cincinnati Children's Hospital Medical Center

P47. Lucie Darmusey

Asx1 mutations enhance differentiation in CSF3R-mutated myeloproliferative neoplasms
University of Colorado Anschutz Medical Campus

P48. Fan He

Galectin-1 Fuels Monocyte-Driven Hyperinflammation and Represents a Novel Therapeutic Target in Myeloproliferative Neoplasms
Washington University school of Medicine

P49. Madeline Niederkorn

Rewiring of the RNA-binding Proteome by the Ubiquitin Ligase Substrate Receptor FBXO11 in MDS
St. Jude Children's Research Hospital

P50. Jane J. Xu

Credential Stag2-mediated chromatin looping in myelodysplastic syndrome.
Columbia Irving Medical Centre

P51. Tony Chen

Aberrant splicing of MBD1 reshapes the epigenome to drive convergent myeloerythroid defects in MDS
McMaster University

P52. Zuzana Tothova

STAG2-mutant MDS development is associated with accumulation of R loops
Dana-Farber Cancer Institute and Cancer Program Broad Institute

P53. Sweta B Patel

Targeting nicotinamide metabolism to improve MDS patient outcome
Anschutz Medical Campus

P54. Sohini Mukhopadhyay

Transcription Factor ThPOK in Myeloid Oncogenic Nexus.
Lerner research Institute

P55. Yi Chen

Credential Stag2-Mediated Chromatin Looping in Myelodysplastic Syndrome
Columbia Irving Medical Centre

P56. Tim Chlon

DDX41 Regulates Splicing of snoRNA-containing Introns: Implications for Leukemia-predisposition
Cincinnati Children's Hospital Medical Center