# Tuesday, May 21th

## ►POSTER SESSION 2

**P29. Isabelle Becker**
Megakaryocytes Release TGFβ1 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**
Asxl1 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