Monday, May 20th

POSTER SESSION 1

P1. Bernadette Tiberi
HDAC7 is necessary for hematopoietic stem and progenitor cell function
Thomas Jefferson University

P2. Greta Zara
LPS-mediated Severe Inflammation Redirects Bone Marrow Hematopoietic Stem Cell Cycling and Differentiation Fate by Reshaping their Chromatin Architecture at Long-Term
Beckman research Institute of City of Hope

P3. Brandon T. Tran
Epigenomic profiling of myeloid cells and progenitors identifies cell types and gene targets critical in HSPC-trained immunity.
Baylor College of Medicine

P4. Wantong Li
Decoding transcription factor dependent enhancer-gene regulatory networks that define hematopoietic niche function.
The Ohio State University

P5. Ly Vu
Single-cell and high-resolution mapping of the RNA methylation landscape revealed epitranscriptomic signatures of hematopoietic stem/progenitor cell identities
University of British Columbia

P6. Monica Kasbekar
Normal and pre-leukemic human HSCs demonstrate age-dependent responses to IL-1β
Columbia Stem Cell Initiative

P7. Xuan Zhang
Multimodal Atlas of Human Hematopoietic Progenitors: Insights into Health, Aging, and Disease
Cincinnati Children's Hospital Medical Center

P8. James Swann
Epigenetic perturbations in hematopoietic stem and progenitor cells lacking Tet2 cause resistance to emergency myelopoiesis
Columbia University

P9. Tanner C. Martinez
CUX1 controls HSC fate through regulation of endogenous retroelements
University of Chicago Medicine Comprehensive Cancer Center

P10. Shorichiro Takeishi
Hematopoietic Stem Cell Numbers Are Not Solely Determined by Niche Availability
Albert Einstein College of Medicine and Ruth L. and David S. Gottesman Institute for Stem Cell Regenerative Medicine

P11. Mona Vogel
Glucose retention regulates HSC function through intracellular levels of the complement component C3.
Institute of Molecular Medicine Ulm University and Cincinnati Children's Medical Center
Short

P12. Katherine King
Microbial determinants of steady state hematopoiesis
Baylor College of Medicine

P13. Koral Campbell
The Role of High Fat Diet in Hematopoietic Stem Cells and Clonal Hematopoiesis
Department of Michigan Medicine

P14. Shailaja Hegde
Short-term exposure to very low-dose lipopolysaccharide induces an expansion of myeloid-biased, serial repopulating, long-term engrafting human hematopoietic stem cells.
Hoxworth Blood Center & Cincinnati Children's Hospital Medical Center

P15. Kristina Kirschner
Longitudinal dynamics of clonal haematopoiesis reveal fitness as a superior outcome predictor
Mayo Clinic

P16. Devyani Sharma
Decline in cardiolipin in hematopoietic stem cell during aging alters their regenerative potential.
Cincinnati Children's and Medical Center

P17. Mayassa Bou-Dargham
Trib1 Regulates Neutrophil Differentiation, Lifespan, and Function
Abramson Family Cancer Research Institute and University of Pennsylvania

P18. Angela Stoddart
CUX1 Serves as a Gatekeeper for GATA1-Mediated Erythroid Differentiation.
The University of Chicago

P19. Evrett Thompson
The Role of Epigenetics in Megakaryocyte and Erythroid Fate Commitment
Yale Stem Cell Center

P20. Virginia Camacho
Megakaryocytes Present Major Histocompatibility Complex Class II Antigen that Directs CD4+ T Cell Responses in the Bone Marrow
Boston Children's Hospital

P21. Emmalee R. Adelman
BRD9 Regulates Human Granulocytic Progenitor Cell Fate Through CEBPA Mediated Chromatin Remodeling
University of Miami Miller School of Medicine

P22. Miguel A Abellanas
Hematopoietic Stem Cells and Myeloid Differentiation Are Lost in the Bone Marrow of the 5xFAD Model of Alzheimer's Disease
Weizmann Institute of Science

P23. Maria N Barrachina
Acute CCL5 exposure expands megakaryopoiesis in the bone marrow
Boston Children's Hospital

P24. Alex Huber
Transcriptional Landscape of Clostridioides difficile infection-induced neutrophilia.
Cincinnati Children's Hospital Medical Center

P25. Rajat Madan
OLFACTOMEDIN-4 EXPRESSING NEUTROPHILS EXAGGERATE CLOSTRIDIODES DIFFICILE TOXIN-INDUCED EPITHELIAL INJURY
University of Cincinnati

P26. Rubia Mancuso
CRISPR to screen for genes that regulate MEP fate specification
Yale University

P27. Varun S Sudunagunta
Erythroid dysplasia in Stag2 deficient murine models reveals novel erythropoietic function for Stag2 cohesin
Columbia Stem Cell Initiative

P28. Xia Liu
Non-classical “emergency” granulopoiesis drives systemic immunosuppression in triple-negative breast cancer
University of Kentucky