

# Monday, May 20<sup>th</sup>

## 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-1 $\beta$   
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

**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

**P28-B. Shovik Bandyopadhyay**

Mapping the Cellular Biogeography of Human Bone Marrow Niches