

Wednesday, May 22th

POSTER SESSION 3

P57. Madeline Halpin

TAIRE Kinase Inhibition Downregulates Canonical Wnt/ β -catenin Signaling in Acute Myeloid Leukemia (AML)
The Ohio State University

P58. Melanie L. Goetz

Glucose retention regulates HSC function through intracellular levels of the complement component C3.
Thomas Jefferson University

P59. Angela Youn

Modeling Clonal Hematopoiesis in RUNX1 Familial Platelet Disorder with Associated Myeloid Malignancies (RUNX1-FPDMM)
Perelman School of Medicine, University of Pennsylvania

P60. Tao Zhen

Enhancing RUNX1's DNA binding is a critical step for leukemogenesis by CBF β -SMMHC
National Human Genome Research and National Institutes of Health

P61. Xiaodi Wu

Patient-Derived Xenograft Modeling of CEBPA-Mutated Acute Myeloid Leukemia Nominates Therapeutic Vulnerabilities
Memorial Sloan Kettering Cancer Center

P62. Sarah Taylor

Biallelic Cebpa Mutations Alter Chromatin Accessibility and STAT Activity
Oregon Health & Science University

P63. Yu-Hsuan Chang

SETDB1 Suppresses Interferon Responses and NK Cell-mediated Immunosurveillance Specifically in Monocytic AML
Graduate School of Frontier Sciences

P64. Nirmalya Saha

SETDB1 mediated gene regulation contributes to methionine demand in leukemia
University of Michigan Medical School

P65. Sagarajit Mohanty

Transcriptional control of myeloid differentiation trajectories in AML
Memorial Sloan-Kettering Cancer Center

P66. Sipra Panda

Elucidating the role of CBF β -MYH11 in maintenance of Inv(16) AML
University of Nebraska Medical Center

P67. Franchesca Fonseca-Lanza

The ENL YEATS epigenetic reader domain critically links MLL-ENL to leukemic stem cell frequency in t(11;19) Leukemia
University of Michigan

P68. Samantha A. Swenson

HMGB3, a Novel Regulator of Leukemia Proliferation
University of Nebraska Medical Center

P69. Chia Sharpe

Comparison of Npm1cA; Ptpn11E76K and Npm1cA; FIt3ITD – two fully immunocompetent in vivo models of AML
University of Cincinnati

P70. Emma Uible

The zymogen form of Caspase-1 is required to finetune excessive cell-intrinsic inflammation in acute myeloid leukemia
Cincinnati Children's Hospital Medical Center

P71. Eric Wang

Aberrant 3'UTR mRNA isoforms suppress leukaemia differentiation.
University of Connecticut Health Center

P72. Chiharu Ishikawa

The ubiquitin-conjugating enzyme UBE2N is essential for myeloid leukemogenesis by stabilization oncorequisite protein networks
Cincinnati Children's Hospital Medical Center

P73. Eric Vick

IRAK4 Deficiency Results in Sensitivity to the CELMoD CC-885 through a c-MYC-dependent Mechanism in Myeloid Malignancies
Cincinnati Children's Hospital Medical Center

P74. Tomoya Muto

Metabolic reprogramming regulated by TRAF6 contributes to the leukemia progression
Chiba University Hospital, Chiba University Graduate School, National Cancer Center Research Institute

P75. Upendarrao Golla

Rho Kinase Inhibitor Induces Reactive Oxygen Species (ROS) and alter Mitochondrial Respiration in Acute Myeloid Leukemia (AML) Cells
Pennsylvania State University College of Medicine

P76. Xiaotian Zhang

HOXA9 regulates 3D genomic structure in acute myeloid leukemia.
The University of Texas Health Science Center

P77. Xufeng Chen

Transcriptional regulation of cytotoxic T-cell responses in acute myeloid leukemia
New York University

P78. Kellen Gil

STAT3 modulates mitochondrial function and plays a critical role in survival of AML Stem Cells.
University of Colorado, School of Medicine

P79. Courtney Jones

Regulation of Protein Glutathionylation is Essential for Leukemia Stem Cell Function
Cincinnati Children's Hospital Medical Center

P80. Ashley Cochran

Defective Necroptosis Mediates Chemotherapy Resistance in AML
Cincinnati Children's Hospital Medical Center

P81. Junya Sango

RAS-mutant AML LSCs originate from GMPs and drive clinical resistance to BH3 mimetics

P82. Yuhong Ma

Chaperone-mediated autophagy licenses leukemic stem cell activity
Albert Einstein College of Medicine

P83. Vincent Rondeau

Spermidine Metabolism Regulates Leukemia Stem Cell Function Through KAT7 Expression
Cincinnati Children's and Medical Center

P84. Ana Vujovic

Characterization of Intensive Chemotherapy Versus Venetoclax/Azacitidine Relapsed Acute Myeloid Leukemia Using High Resolution Single-cell Trimodal Sequencing
University of Colorado School Medicine

P85. Rui Lui

Epigenetic Reprogramming of Non-canonical Menin Targets Drives Menin Inhibitor Resistance in Acute Myeloid Leukemia
University of Alabama at Birmingham

P86. Tomasz Skorski

Inactivation of DNA Polymerase Theta (Pol θ) Is Synthetic Lethal in DNMT3A Mutated Myeloid Malignancies – Potential Clinical Applications.
Temple University

P87. Sayantani Sinha

Evaluating R-loop-associated vulnerabilities in splicing factor mutant myeloid malignancy
Fred Hutchinson Cancer Center

