



# FASEB

Federation of American Societies  
for Experimental Biology

## Science Research Conferences

[www.faseb.org/src](http://www.faseb.org/src)

FASEB Hematologic Malignancies Conference  
July 23-28, 2017  
Saxtons River, Vermont

Organizers:

**Iannis Aifantis, Ph.D.**  
New York University  
New York, NY

**Kimberly Stegmaier, M.D.**  
Dana-Farber Cancer Institute and Boston Children's Hospital  
Boston, MA

Sunday, July, 23, 2017

6:00 p.m. – 7:00 p.m.	Welcome Reception in the Dining Hall	
7:00 p.m. – 8:00 p.m.	Dinner	
8:00 p.m. – 9:00 p.m.	<b><i><u>Opening Keynote Speaker</u></i></b>  <b><i>Targeted Protein Degradation</i></b>	James Bradner
9:00 p.m. – midnight	<b><i>Entertainment in the Lounge</i></b>	

Monday, July, 24, 2017

7:30 a.m. – 9:00 a.m.	Breakfast	
9:00 a.m. – 12:00 p.m.	<b><i><u>Regulation of Transcription and Signaling in Hematological Malignancies: Part I</u></i></b>  <b><i>Epigenetic mechanisms in T-ALL transformation</i></b>  <b><i>Enhancer defects in acute myeloid leukemia.</i></b>  <b><i>The Ying and Yang of JAK signaling in ALL – therapeutic implications</i></b>	Adolfo Ferrando (Chair)  Adolfo Ferrando  Ruud Delwel  Shai Izraeli

\* Also presenting a poster

	<p><b>Short Talk:</b> <i>Spliceosome-mutant MDS/AML cells activate innate immune signaling by regulating the expression of therapeutically targetable IRAK4 isoforms</i></p> <p><i>Understanding and targeting spliceosomal gene mutations in leukemia</i></p> <p><b>1 Minute Poster Teasers</b></p>	<p>Daniel Starczynowski</p> <p>Omar Abdel-Wahab</p> <p>Anupriya Agarwal, Beatriz Aranda-Orgilles, Laura Barreyro, Lina Benajiba, Paola Brescia, Melissa Burns, Li Chai, Haihua Chu, Daphne Dupere-Richer, Lauren Forbes, Kayleigh Gallagher, Mark Gower, Marisa Hornbaker, Takayuki Hoshii &amp; Ilaria Iacobucci</p>
9:50 a.m. – 10:05 a.m.	<i>FASEB Sponsored Coffee Break</i>	
12:00 p.m. – 1:00 p.m.	Lunch	
1:00 p.m. – 2:30 p.m.	Career Development Workshop <b>Finding a Job/ Starting an Academic Lab</b>	Michelle Kelliher, Benjamin Ebert & Johannes Zuber
2:30 p.m. – 5:00 p.m.	Free time	
5:00 p.m. – 7:00p.m.	<p><b><u>Regulation of Transcription and Signaling in Hematological Malignancies: Part II</u></b></p> <p><i>Targeting coactivators in acute myeloid leukemia</i></p> <p><i>Dexamethasone Resistance in T-ALL</i></p> <p><i>The mechanisms underlying the impact of MMSET overexpression on gene regulation in multiple myeloma</i></p> <p><i>Targeting immune receptor signaling in lymphoma</i></p> <p><b>Short talk:</b> <i>CBFβ-SMMHC regulates inv(16) AML survival by repressing RUNX1-mediated inhibition of MYC/MIR17HG axis</i></p>	<p>Michelle Kelliher (Chair)</p> <p>Christopher Vakoc</p> <p>Michelle Kelliher</p> <p>Jane Skok</p> <p>Guido Wendel</p> <p>Lucio Castilla*</p>
7:00 p.m. – 8:00 p.m.	Dinner	
8:00 p.m. – 9:30 p.m.	<b>Poster Session #1</b>	
9:45 p.m. – midnight	<b>Entertainment in the Lounge</b>	

\* Also presenting a poster

Tuesday, July, 25, 2017

7:30 a.m. – 9:00 a.m.	Breakfast	
9:00 a.m. – 12:00 p.m.	<p><b><u>Targets, Drugs and Mechanisms of Resistance: Part I</u></b></p> <p><b><i>In Vivo Screens to Uncover Therapeutic Vulnerabilities in Acute Leukemias Characterized by Hyperactive Ras Signaling</i></b></p> <p><b><i>Targeting epigenetic regulators in leukemia</i></b></p> <p><b><i>In Vivo Functional Genomic Screening to Identify Drug Resistance Mechanisms</i></b></p> <p><b><i>Proteasome Inhibition Targets the MLL Transcriptional Complex by Histone H2B Deubiquitination Leading to High Response Rates in Relapsed Refractory MLL Rearranged Acute Leukemia</i></b></p> <p><b><i>New Approaches to Measure Drug Response</i></b></p>	<p>Tanja Gruber (Chair)</p> <p>Kevin Shannon</p> <p>Jolanta Grembecka</p> <p>Michael Hemann</p> <p>Tanja Gruber</p> <p>David Weinstock</p>
10:00 a.m. – 10:30 a.m.	FASEB Sponsored Coffee Break and *Group Photo	
12:00 p.m. – 1:00 p.m.	Lunch	
1:00 p.m. – 2:30 p.m.	Meet the Experts Session <b>Work-life Balance</b>	Jonathan Licht, Kimberly Stegmaier & Jane Skok
2:30 p.m. – 5:00 p.m.	Free time	
5:00 p.m. – 7:00 p.m.	<p><b><u>Targets, Drugs and Mechanisms of Resistance: Part II</u></b></p> <p><b><i>Exploring and exploiting leukemia dependencies</i></b></p> <p><b><i>Secondary Genetic and Epigenetic Alterations in Juvenile Myelomonocytic Leukemia Add New Therapeutic Approaches to Therapy</i></b></p> <p><b><i>Drugging the "undruggable": Targeting transcription factor drivers in leukemia</i></b></p>	<p>Mignon Loh (Chair)</p> <p>Johannes Zuber</p> <p>Mignon Loh</p> <p>John Bushweller</p>

\* Also presenting a poster

	<b>Short Talk:</b> <i>Functional proteomics to understand and overcome therapy resistance in acute myeloid leukemia</i>	Alex Kentsis*
	<b>Dissecting the Underpinnings of MDS: Molecular Origins and Therapeutic Response</b>	Benjamin Ebert
7:00 p.m. – 8:00 p.m.	Dinner	
8:00 p.m. – 9:30 p.m.	<b>Poster Session #1</b>	
9:45 p.m. – midnight	<b>Entertainment in the Dining Room</b>	

Wednesday, July 26, 2017

7:30 a.m. – 9:00 a.m.	Breakfast	
9:00 a.m. – 12:00 p.m.	<u><b>Leukemia/Lymphoma Genomics and Epi-Genomics</b></u>	Charles Mullighan (Chair)
	<b>The Genomics of Childhood ALL</b>	Charles Mullighan
	<b>Targeting Epigenetic Mechanisms in Leukemia</b>	Scott Armstrong
	<b>The role of NSD2 in multiple myeloma and acute lymphocytic leukemia</b>	Jonathan Licht
	<b>Short Talk:</b> <b>MLL2, rather than MLL1, plays a major role in sustaining MLL-rearranged leukemia</b>	Patricia Ernst*
	<b>Short Talk:</b> <b>Chromosome 21q22 chromatin binding protein HMGN1, recurrently amplified in AML, blocks myeloid differentiation and promotes clonal dominance via aberrant histone acetylation</b>	Andrew Lane*
	<b>KATs, SPEARS, and HSCs</b>	Daniel Tenen
	<b>1 Minute Poster Teasers</b>	Siddhartha Jaiswal, Sebastian Koochaki, Stanley Chun-Wei Lee, Megan Mc Nerney, Richard Piszczatowski, Molly Smith, Zuzana Tothova, Aaron Viny, Anica Wandler &

\* Also presenting a poster

		Kira Young
9:50 a.m. – 10:05 a.m.	<i>FASEB Sponsored Coffee Break</i>	
12:00 p.m. – 1:00 p.m.	Lunch	
1:00 p.m. – 2:30 p.m.	<b>Career Development Session</b> RO1 and Foundation Funding for New Investigators	Representative from the Evans Foundation together with Iannis Aifantis with Adolfo Ferrando
2:30 p.m. – 5:00 p.m.	Free time	
5:00 p.m. – 7:00 p.m.	<b><u>Stem Cells and the Initiation of Blood Malignancies</u></b>  <b><i>Stem Cells in Human AML</i></b>  <b><i>Targeting Transcriptional Mechanisms in (Pre-)Malignant Stem Cells</i></b>  <b><i>Novel approaches in Targeting Leukemia Stem Cells</i></b>  <b>Short Talk:</b> <b><i>A CHAF1B-dependent molecular switch in hematopoiesis and leukemic pathogenesis</i></b>  <b><i>Interrogating TP53 mutant acute myeloid leukemia</i></b>	Monica Guzman (Chair)  Ravi Majeti  Ulrich Steidl  Monica Guzman  Andrew Volk*  Scott Lowe
7:00 p.m. – 8:00 p.m.	Dinner	
8:00 p.m. – 9:30 p.m.	<b>Poster Session #2</b>	
9:45 p.m. – midnight	<b><i>Entertainment in the Lounge</i></b>	

Thursday, July 27, 2017

7:30 a.m. – 9:00 a.m.	Breakfast	
9:00 a.m. – 11:30 a.m.	<b><u>Tumor Microenvironment</u></b>  <b><i>Study of the bone marrow microenvironment in stress and tumorigenesis</i></b>  <b><i>Targeting the Multiple Myeloma Microenvironment</i></b>  <b><i>Hematopoietic stem cell niche regulation</i></b>  <b>Short Talk:</b> <b><i>The role of TET2 in pre-leukemic</i></b>	Emmanuelle Passegue (Chair)  Emmanuelle Passegue  Irene Ghobrial  Paul Frenette  Luisa Cimmino*

\* Also presenting a poster

	<b><i>stem cell maintenance Intravital microscopy reveals dynamic and selective microenvironment remodeling by diverse types of acute leukemia</i></b>	Cristina Lo Celso
9:50 a.m. – 10:05 a.m.	<i>FASEB Sponsored Coffee Break</i>	
11:30 p.m. – 12:00 p.m.	Business Meeting	
12:00 p.m. – 1:00 p.m.	Lunch	
1:00 p.m. – 2:00 p.m.	Meet the Experts Session <b>Finding a Job in Industry</b>	Silvia Buonamici
2:00 p.m. – 5:00 p.m.	Free time	
5:00 p.m. – 7:00 p.m.	<b><i><u>The Role of the Immune System in blood malignancies: From biology to therapy</u></i></b>  <b><i>Deregulation of germinal center master genes in Diffuse Large B Cell Lymphoma</i></b>  <b><i>Precision T cell engineering to advance CAR therapy</i></b>  <b><i>Mechanisms of Acquired Resistance to Targeted Immunotherapy</i></b>  <b><i>Genetically modified T cells for hematologic malignancies</i></b>	Iannis Aifantis (Chair)  Riccardo Dalla-Favera  Justin Eyquem  Andrei Thomas-Tikhonenko  Marcela Maus
7:00 p.m. – 8:00 p.m.	Dinner	
8:00 p.m. – 9:30 p.m.	<b>Poster Session #2</b>	
9:45 p.m. – midnight	<b>Entertainment in the Dining Room</b>	

Friday, July 28, 2017

7:30 a.m. – 9:00 a.m.	Breakfast	
9:00 a.m. – 11:30 a.m.	<b><i><u>Epigenetics of Hematologic Malignancies</u></i></b>  <b><i>Altered Super Enhancer Function and Genome Topology in T-ALL Pathogenesis and Therapy</i></b>  <b><i>Transcription Control and Histone Methylation in AML</i></b>  <b><i>Targeting the Spliceosome in Myeloid Leukemia</i></b>	Kathrin Bernt (Chair)  Thomas Look  Kathrin Bernt  Silvia Buonamici

\* Also presenting a poster

	<b>Short Talk:</b> <i>Epigenetic Reprogramming of Human Hematopoietic Stem Cells During Aging</i>  <i>RNA regulators and the control of normal and malignant hematopoiesis</i>	Maria Figueroa*  Michael Kharas
9:50 a.m. – 10:05 a.m.	<i>FASEB Sponsored Coffee Break</i>	
11:30 a.m. – 12:30 p.m.	<u><b>Closing Keynote Speaker</b></u>  <i>How somatic mutations program B-cells for malignant transformation</i>	Ari Melnick
12:30 p.m.	Lunch to go and Departure	

**END OF CONFERENCE**

For additional information contact:  
 FASEB Science Research Conferences  
 9650 Rockville Pike  
 Bethesda, MD 20814

[www.faseb.org/src](http://www.faseb.org/src)

\* Also presenting a poster