

# Program of 2018 International Forum on Stem Cells

October 17-19, 2018

Shangri-La Hotel, Tianjin, China

10/17/2018, Wednesday	
14:00-18:00	Conference Registration, Exhibition Arrangement, Hotel Check-in, and Poster Set-up.
10/18/2018, Thursday	
8:00-16:00	Conference Registration
<b>8:30-9:00</b>	<b>Welcome Ceremony and Opening Remarks</b>
9:00-9:45 <b>I Keynote speech</b>  <b>Chair:</b> <b>Tsvee Lapidot</b>	1. Title: Human Stem Cells Use Stress to Their Advantage Keynote Speaker: John Dick University of Toronto, Canada
9:45-9:55	Group Photo of All Speakers and Session Chairs
<b>9:45-10:05</b>	<b>Coffee/Tea Break and Poster Viewing</b>
10:05-11:55 <b>II Stress response</b> (Each talk 25 mins, including 5 mins discussion)  <b>Chairs:</b> <b>Leighton (Lee) Grimes</b> <b>Linzhao Cheng</b>	2. Title: Metabolic Regulation of Blood And Bone Forming Stem Cells Speaker: Tsvee Lapidot The Weizmann Institute of Science, Israel  3. Title: The Hierarchical Organization of Hematopoiesis Speaker: Claus Nerlov University of Oxford, UK  4. Title: Inflammaging of Hematopoietic Stem Cells Speaker: Markus Manz University Hospital Zurich, Switzerland  5. Title: Using Single Cell Technologies to Address an Old Question: How Hematopoietic Stem Cells Repopulate after Transplantation Speaker: Tao Cheng Chinese Academy of Medical Sciences, China
<b>12:00-13:30</b>	<b>Lunch</b>
13:30-15:10 <b>III Differentiation paradigms</b> (Each talk 25 mins, including 5 mins discussion)  <b>Chairs:</b> <b>Timm Schroeder</b> <b>Zhenyu Ju</b>	6. Title: A Single Cell View of Hematopoiesis Speaker: Leighton (Lee) Grimes Cincinnati Children's Hospital Medical Center, USA  7. Title: Capturing Dynamic Changes in Hematopoietic Differentiation Landscapes Speaker: Bertie Göttgens University of Cambridge, UK  8. Title: Mapping cellular hierarchy by high-throughput single cell analysis Speaker: Guoji Guo Zhejiang University, China  9. Title: Deconvolution of Hematopoiesis by Polylox Barcoding Speaker: Hans-Reimer Rodewald German Cancer Research Center, Germany
<b>15:10-15:30</b>	<b>Coffee/Tea Break and Poster Viewing</b>
15:30-16:50 <b>IV Fate determination</b>	10. Title: Lineage and Fate in Native Hematopoiesis Speaker: Fernando Camargo

(Each talk 25 mins, including 5 mins discussion)  <b>Chairs:</b> <b>Bertie Göttgens</b> <b>Bing Liu</b>	Harvard University, USA
	11. Title: Long-term Single-cell Quantification: New Tools for Old Questions Speaker: Timm Schroeder Swiss Federal Institute of Technology (ETH) Zürich, Switzerland
	12. Title: Genetic Networks Governing Hematopoietic Stem and Progenitor Cell Transitions Speaker: Emery Bresnick University of Wisconsin, USA
	13. Title: Expanded Potential Stem Cells of Mammals Speaker: Pentao Liu University of Hong Kong, China
<b>17:00-18:00</b>	<b>Poster Session With Presenters</b>
<b>18:00-20:00</b>	<b>Welcome Banquet</b>

<b>10/19/2018, Friday</b>	
8:30-10:10 <b>V Development</b> <b>(concurrent session I)</b> (Each talk 20 mins, including 5 mins discussion)  <b>Chairs:</b> <b>Avinash Bhandoola</b> <b>Jia Yu</b>	14. Title: VCAM-1+ macrophages guide homing of nascent hematopoietic stem and progenitor cells to vascular niche Speaker: Weijun Pan Chinese Academy of Science, China
	15. Title: Molecular Regulation of Hematopoietic Stem Cell Development Speaker: Feng Liu Chinese Academy of Sciences, China
	16. Title: Zebrafish Aorta Endothelium Generates Multiple Hematopoietic Precursors through Endothelial-Hematopoietic Transition Speaker: Zilong Wen Hong Kong University of Science & Technology, China
	17. Title: Dependence of Adult Hematopoiesis on Embryonic Hematopoiesis Speaker: Claudia Waskow Technische Universität Dresden, Germany
	18. Title: T cell regeneration by defined transcriptional factor Speaker: Jinyong Wang Chinese Academy of Sciences, China
8:30-10:10 <b>VI Leukemia stem cell</b> <b>(concurrent session II)</b> (Each talk 20 mins, including 5 mins discussion)  <b>Chairs:</b> <b>Alan Warren</b> <b>Ruibao Ren</b>	19. Title: Inhibition of Slug Effectively Targets Leukemia Stem Cells via the Slc13a3/ROS Signaling Pathway Speaker: Wen-shu Wu University of Illinois at Chicago, USA
	20. Title: Targeting Leukemia Stem Cells in AML Speaker: Zhijian Qian University of Florida, USA
	21. Title: Sphingosine-1-Phosphate Receptor 3 Governs Myeloid Fate Specification of Human Hematopoietic and Leukemic Stem Cells Speaker: Stephanie Xie University Health Network, Canada
	22. Title: Insights into the Function of Setd2 and H3K36 Trimethylation in Leukemia, Chemo-resistance and Hematopoietic Stem Cells Speaker: Gang Huang

	Cincinnati Children's Hospital Medical Center, USA
	23. Title: HOXBLINE is Aberrantly Expressed In Acute Myeloid Leukemia and Functions as a Potent Oncogenic Long Non-Coding RNA in Leukemogenesis Speaker: Mingjiang Xu University of Miami, USA
<b>10:10-10:30</b>	<b>Coffee/Tea Break and Poster Viewing</b>
10:30-12:10 <b>VII Physiological regulation</b> <b>(concurrent session III)</b> (Each talk 20 mins, including 5 mins discussion)	24. Title: In Vitro Colony Formation by Mouse Hematopoietic Stem Cells Speaker: Hideo Ema Chinese Academy of Medical Sciences, China
<b>Chairs:</b> <b>Emery Bresnick</b> <b>Weiping Yuan</b>	25. Title: Metabolic Regulation in the Stemness of Hematopoietic Stem Cells Speaker: Junke Zheng Shanghai Jiao Tong University, China
	26. Title: A Shared Transcriptional Program Underlying Adaptive T Cell and Innate Lymphocyte Specification Speaker: Avinash Bhandoola National Cancer Institute, NIH, USA
	27. Title: Neutrophils: The Power of Many Speaker: Lai guan Ng Singapore Immunology Network (A*STAR), Singapore
10:30-12:10 <b>VIII Pathological mechanisms</b> <b>(concurrent session IV)</b> (Each talk 20 mins, including 5 mins discussion)	28. Title: Mutations of ASXL1/2 in myeloid malignancies Speaker: Feng-chun Yang University of Miami, USA
<b>Chairs:</b> <b>Liran Shlush</b> <b>Lei Zhang</b>	29. Title: Retinoid low niches in the bone marrow modulate normal and malignant hematopoietic stem cell behavior Speaker: Gabriel Ghiaur Johns Hopkins University, USA
	30. Title: Emergency Granulopoiesis in Infection and Inflammation Speaker: Hongbo R. Luo Harvard University, USA
	31. Title: Hematopoietic Stem Cell Heterogeneity in JAK2 V617F+ Essential Thrombocytopenia Speaker: Lihong Shi Chinese Academy of Medical Sciences, China
<b>12:10-13:30</b>	<b>Lunch</b>
13:30-15:10 <b>IX Clonal evolution</b> (Each talk 25 mins, including 5 mins discussion)	32. Title: Myeloproliferative Neoplasms – from Pathogenesis to Personalized Predictions Speaker: Tony Green University of Cambridge, UK
<b>Chairs:</b> <b>Neal Young</b> <b>Jun Shi</b>	33. Title: Early Diagnosis and Prevention of AML Speaker: Liran Shlush The Weizmann Institute of Science, Israel
	34. Title: In Vivo Resolving Leukemia Mechanisms by Electron Cryo-Microscopy Speaker: Alan Warren University of Cambridge, UK
	35. Title: Targeted Therapy in the Eye of Clonal Evolution: Precision Medicine for Chemoresistance of AML

	<p>Speaker: Qian-fei Wang Chinese Academy of Sciences, China</p>
<b>15:10-15:30</b>	<b>Coffee/Tea Break</b>
<p>15:30-16:45 <b>X Therapeutics</b> (Each talk 25 mins, including 5 mins discussion)</p> <p><b>Chairs:</b> <b>Tony Green</b> <b>Jianxiang Wang</b></p>	<p>36. Title: RNA Modification in Leukemia Development, Drug Response and LSC Self-Renewal Speaker: Jianjun Chen City of Hope, USA</p> <p>37. Title: Rethinking human bone marrow failure Speaker: Neal Young National Heart, Lung, and Blood Institute, NIH, USA</p> <p>38. Title: Clinical Translation of Engineered Human Pluripotent Stem Cell-Derived Lymphocytes with Improved Anti-Tumor Activity Speaker: Dan Kaufman University of California at San Diego, USA</p>
<p><b>16:45-16:50</b></p> <p><b>Chair:</b> <b>Jiaxi Zhou</b></p>	<b>Best Poster Award</b>
<b>16:50-17:00</b>	<b>Closing Remarks</b>