

Ackermann, Mania Interleukin-3 regulates early hematopoietic specification of human iPSC by supporting the endothelial-to-hematopoietic transition of hemato-endothelial progenitor cells	37
Bertrand, Julien Y. The vascular niche protects embryonic HSCs from ROS through IFI30	38
Bujanover, Nir HSCs retain potency during acute immune response and exhibit surface markers for activation	39
Burocziova, Monika Inhibiting natural killer cell activity promotes hematopoietic stem cell function during transplantation	40
Cabezas-Wallscheid, Nina The Neogenin receptor represents a novel regulator of hematopoietic stem cell function during homeostasis and aging	41
Chalot, Marion Is the bone marrow resident macrophages a mediator of ionizing irradiation?	42
Chandrakanthan, Vashe PDGF-AA signalling indirectly regulate endothelial-to-hematopoietic transition in the developing embryo	43
Clapes, Thomas MDA5 receptor triggers hematopoietic stem cell activation upon injury	44
Coppin, Emilie Humanized mice as a model to test xenogenic immune rejections in vivo	45
Cornils, Kerstin Dynamics of hematopoietic reconstitution in elderly recipients: Old versus young grafts	46

Coulombe, Patrick	
Innate immune signaling via Sash1 in hematopoietic stem cell development	47
Cova, Giovanni	
The transcription factor Helios is a novel regulator of hematopoietic stem cell differentiation	48
Cuartero, Sergi	
Cohesin links inducible gene expression and myeloid differentiation	49
Derecka, Marta	
EBF1 as a transcriptional regulator of bone marrow mesenchymal stromal cells	50
Durand, Charles	
The transcriptional landscape of the aorta-gonad-mesonephros hematopoietic microenvironment	51
Eitler, Jiri	Presenter: Percin, Gulce
Embryo-derived macrophages regulate DC pool size in the adult spleen	52
Faltusová, Katerina	
Stem cell defect in UBC-GFP mice facilitates engraftment of lymphoid-primed hematopoietic stem cells	53
Filonenko, Elena	
Modeling human hematopoietic development in well-defined cytokine-free culture conditions	54
Ganuza, Miguel	
Visualizing the clonal complexity of the hematopoietic system during the natural lifespan of the mouse and after serial transplantation	55
Gerbaulet, Alexander	Presenter: Morcos, Mina
Mitotic history of hematopoietic stem cells revisited	56
Glauche, Ingmar	
Reconstruction of hierarchical differentiation processes based on the temporal clonal readout in distinct hematopoietic lineages	57

Grinenko, Tatyana Hematopoietic stem cells differentiate into restricted myeloid progenitors before cell division	58
Grušanovic, Srdjan TCF/LEF signaling suppress proliferation of myeloid progenitor cells	59
Haddad, Rima Cellular and molecular mapping of human early lymphoid progenitor cells submitted to low oxygen doses	60
Heizer, Tomáš Haematopoietic progenitors in regenerating bone marrow depend on stroma support more than in undisturbed bone marrow	61
Iturri, Lorea How to study the resident macrophage progenitor?	62
Jassinskaja, Maria In-depth proteomic characterization of lineage-biased hematopoietic progenitors in the fetus and adult	63
Kardosova, Miroslava The transcription factor C/EBPgamma regulates mast cell development and function	64
Kasper, Dionna M. microRNA-223 limits hematopoietic stem cell production from endothelium during development	65
Kazerani, Maryam Histone methyltransferase Setdb1 regulates fetal hematopoietic stem and progenitor cell function and lineage fate determination	66
Khoury, Hanane Molecular control of the endothelial to hematopoietic transition	67
Khurana, Satish Developmental stage dependent response to proliferation in hematopoietic stem cells	68

Klapproth, Kay Disturbed liver macrophage compartments are partially replenished from HSC-independent precursors	69
Kokavec, Juraj Single amino acid deletion of small ribosomal subunit protein Rps19 in new transgenic mouse model for Diamond–Blackfan anemia	70
Kollmann, Sebastian STAT5A and STAT5B – more than identical twins	71
Konturek-Ciesla, Anna Interplay between G-quadruplexes and heme oxygenase-1 in DNA damage response during leukemogenesis	72
Kurre, Peter Fetal liver niche dysfunction points to a uniquely developmental constraint during hematopoietic stem cell pool formation in Fanconi Anemia mice	73
Lauret, Evelyne PUMILIO/FOXP1 signaling drives maintenance of hematopoietic stem/progenitor and leukemia cells	74
Lenaerts, Aurelie Ebf1 contributes to the self-renewal capacity and lineage differentiation of HSPCs	75
Lettera, Emanuele Interplay between chromatin and DNA damage response in the aged human hematopoietic stem cell compartment	76
Mazzi, Stefania EZH2 plays an opposite role in the MK specification and late differentiation	77
Mendes, Adelia Leukemia-associated nucleoporin fusion proteins affect the nuclear pore complex and Crm1-mediated nuclear export	78

Mesnieres, Marion		
Modulation of the fetal bone marrow vasculature impacts HSC homing during embryogenesis		79
Morin-Poulard, Ismaël		
Prrx1 and Prrx2 (Paired Related Homeobox 1 and 2) regulate hematopoietic stem and progenitor production during mouse and zebrafish embryonic development		80
Nowak, Witold N.		
Bone marrow mesenchymal stromal cells Hmox1^{-/-} are more resistant to hemin-induced stress than fibroblasts		81
Oatley, Morgan		
Single-cell transcriptome analysis identifies CD44 as a novel marker and regulator of the endothelial-haematopoietic transition		82
Pei, Weike		
Development of Polylox barcoding system for lineage tracing of hematopoietic stem cells		83
Petrillo, Carolina		
A novel cyclosporin overcomes innate immune restriction potently enhancing lentiviral transduction and gene editing in human hematopoietic stem cells		84
Pilzecker, Bas		
DNA damage tolerance defects uncover the early erythroid committed progenitor		85
Pimková, Kristýna		
Identification of oxidative posttranslational modifications that regulate normal and malignant fetal blood cell development		86
Prchal-Murphy, Michaela	Presenter: Maurer, Barbara	
Uncoupling INK proteins from CDK4/CDK6 – how do hematopoietic stem cells react?		87
Ramasz, Beáta		
Acute thrombocytopenia induces activation of long-term hematopoietic stem cells and leads to the exhaustion of multipotent progenitors		88

Rieger, Michael A. Functional dominance of chip-mutated hematopoietic stem cells in patients undergoing autologous stem cell transplantations	89
Ruiz-Herguido, Cristina Loss of Notch signaling by RBPj deletion in the hematopoietic system results in major hematopoietic stem cell defects	90
Saw, Sanjay The Timp gene family prevents ageing of the bone marrow niche	91
Schmidt, Anne Unravelling the dynamic interplay between cells undergoing the Endothelial-to-Hematopoietic Transition and endothelial neighbours, in the zebrafish embryo	92
Schuler, Fabian Chk1 is essential for the establishment and maintenance of the hematopoietic system	93
Schuon, Ann-Kathrin Hematopoietic stem cells under challenge	94
Shvartsman, Maya Early hematopoietic progenitors are differentially affected by iron deficiency	95
Splichalova, Iva Toll-like receptor 2 expressing erythro-myeloid progenitors in early embryonic development	96
Tak, Tamar Determining dendritic cell ontogeny across organs by cellular barcoding	97
Terenzi, Daniella Circulating progenitor cell content in type 2 diabetes patients	98
Trompouki, Eirini A metabolic interplay coordinated by HLX regulates myeloid differentiation	99

Vanzo, Nathalie		
Control of stress hematopoiesis in response to parasitism in <i>Drosophila</i>		100
Weinreb, Joshua		
Ddx41 regulates HSPC development and myeloid differentiation in vivo		101
Yvernogeau, Laurent		
Molecular signals promoting or inhibiting hematopoietic stem cell emergence identified by tomo-sequencing in the surrounding microenvironment of the embryonic aorta		102
Zhang, Haibo		
The key role of lung microenvironment on MSC therapy in acute lung injury		103
Zhang, Yu Wei		
H3K27M/I mutations promote context-dependent transformation in acute myeloid leukemia with RUNX1 alterations		104
Ziegfeld, Angelique	Presenter: Guezguez, Borhane; Ziegfeld, Angelique	
Engineering Tumor Antigen-specific T cells from hematopoietic stem cell sources for an effective and durable cancer immunotherapy		105