Eric R Lechman

List of Publications by Year in Descending Order

52 papers	3,230 citations	23 h-index	56 g-index
60 ext. papers	3,731 ext. citations	8.2 avg, IF	4.31 L-index

#	Paper	IF	Citations
52	Identification of the global miR-130a targetome reveals a role for TBL1XR1 in hematopoietic stem cell self-renewal and t(8;21) AML.. *Cell Reports*, **2022**, 38, 110481	10.6	0
51	KDM6 Demethylases Integrate DNA Repair Gene Regulation: Loss of KDM6A Sensitizes AML to PARP Inhibition and Potentiates with BCL2 Blockade. *Blood*, **2021**, 138, 25-25	2.2	
50	Quantitative single-cell proteomics as a tool to characterize cellular hierarchies. *Nature Communications*, **2021**, 12, 3341	17.4	53
49	Mapping the cellular origin and early evolution of leukemia in Down syndrome. *Science*, **2021**, 373,	33.3	8
48	Nicotinamide phosphoribosyltransferase inhibitors selectively induce apoptosis of AML stem cells by disrupting lipid homeostasis. *Cell Stem Cell*, **2021**, 28, 1851-1867.e8	18	5
47	A novel method for detecting the cellular stemness state in normal and leukemic human hematopoietic cells can predict disease outcome and drug sensitivity. *Leukemia*, **2019**, 33, 2061-2077	10.7	8
46	An Enhancer-Based Reporter Identifies Leukemia Cells with Elevated Leukemogenic Potential Driven by ERG-USP9X Feed-Forward Regulation. *Cancer Research*, **2019**, 79, 3862-3876	10.1	3
45	A stemness screen reveals as a promoter of human leukemia stem cell latency. *Blood*, **2019**, 133, 2198-2211	21	14
44	Functional profiling of single CRISPR/Cas9-edited human long-term hematopoietic stem cells. *Nature Communications*, **2019**, 10, 4730	17.4	15
43	Understanding Pre-Leukemia in Trisomy 21 Human HSC and Modeling Progression Towards Down Syndrome Associated Leukemia Using CRISPR/Cas9 at Single Cell Resolution. *Blood*, **2019**, 134, 2531-2531	2.2	1
42	Targeting the Mitochondrial Metallochaperone Cox17 Reduces DNA Methylation and Promotes AML Differentiation through a Copper Dependent Mechanism. *Blood*, **2018**, 132, 1339-1339	2.2	1
41	Functional and Molecular Consequences of Trisomy 21 on Human Fetal Hematopoiesis. *Blood*, **2018** , 132, 1317-1317	2.2	
40	Modeling the Initiation and Evolution of Down Syndrome Associated Leukemia Using CRISPR/Cas9. *Blood*, **2018**, 132, 3891-3891	2.2	
39	Microrna-130a Regulates Hematopoietic Stem Cell Self-Renewal By Repressing Chromatin Modifiers and Shaping the Accessible Chromatin Landscape. *Blood*, **2018**, 132, 3824-3824	2.2	0
38	Inhibiting the Mitochondrial Sulfhydryl Oxidase Alr Reduces Cox17 and Alters Mitochondrial Cristae Structure Leading to the Differentiation of AML and Stem Cells. *Blood*, **2017**, 130, 881-881	2.2	1
37	Ectopic miR-125a Expression Induces Long-Term Repopulating Stem Cell Capacity in Mouse and Human Hematopoietic Progenitors. *Cell Stem Cell*, **2016**, 19, 383-96	18	40
36	miRNA-126 Orchestrates an Oncogenic Program in B Cell Precursor Acute Lymphoblastic Leukemia. *Cancer Cell*, **2016**, 29, 905-921	24.3	45

35	miR-126 Regulates Distinct Self-Renewal Outcomes in Normal and Malignant Hematopoietic Stem Cells. *Cancer Cell*, **2016**, 29, 214-28	24.3	118
34	Global proteomics dataset of miR-126 overexpression in acute myeloid leukemia. *Data in Brief*, **2016**, 9, 57-61	1.2	7
33	Mir-125a Confers Multi-Lineage Long-Term Repopulating Stem Cell Activity to Human Hematopoietic Committed Progenitors. *Blood*, **2015**, 126, 900-900	2.2	1
32	Reduced lymphoid lineage priming promotes human hematopoietic stem cell expansion. *Cell Stem Cell*, **2014**, 14, 94-106	18	49
31	Modeling the Multi-Step Pathogenesis of Acute Myeloid Leukemia of Down Syndrome. *Blood*, **2014**, 124, 3579-3579	2.2	
30	Mir-126 Governs Human Leukemia Stem Cell Quiescence and Chemotherapy Resistance. *Blood*, **2013**, 122, 1647-1647	2.2	1
29	Enforced Expression Of Mir-125b Promotes the in vivo expansion Of Human Linneg cord Blood Multi-Lymphoid Progenitors and Leukemia Stem Cells. *Blood*, **2013**, 122, 1648-1648	2.2	
28	A Mechanistic Role For Mir-126, a Hematopoietic Stem Cell Microrna, In Acute Leukemias. *Blood*, **2013**, 122, 886-886	2.2	0
27	Attenuation of miR-126 activity expands HSC in vivo without exhaustion. *Cell Stem Cell*, **2012**, 11, 799-811	18	164
26	Hematopoietic Stem Cell Expansion, without Exhaustion or Transformation, by Stable Microrna Antagonism in Vivo. *Blood*, **2012**, 120, 30-30	2.2	
25	Stem cell gene expression programs influence clinical outcome in human leukemia. *Nature Medicine* , **2011**, 17, 1086-93	50.5	713
24	Zebrafish microRNA-126 determines hematopoietic cell fate through c-Myb. *Leukemia*, **2011**, 25, 506-14	10.7	49
23	Identification of hematopoietic stem cell-specific miRNAs enables gene therapy of globoid cell leukodystrophy. *Science Translational Medicine*, **2010**, 2, 58ra84	17.5	156
22	A distinctive DNA damage response in human hematopoietic stem cells reveals an apoptosis-independent role for p53 in self-renewal. *Cell Stem Cell*, **2010**, 7, 186-97	18	213
21	Comparison of human cord blood engraftment between immunocompromised mouse strains. *Blood*, **2010**, 116, 193-200	2.2	213
20	Identification and Function of Hematopoietic Stem and Progenitor Cell Specific Micrornas.. *Blood*, **2010**, 116, 2631-2631	2.2	
19	Enriched MicroRNA-126 Bioactivity Marks the Primitive Compartment In AML and Regulates LSC Numbers. *Blood*, **2010**, 116, 94-94	2.2	
18	Leukemic and Normal Stem Cell Transcriptional Signatures Determined by Functional Assays Are Predictive of the Overall Survival of AML Patients.. *Blood*, **2009**, 114, 389-389	2.2	

17	Element-tagged immunoassay with ICP-MS detection: evaluation and comparison to conventional immunoassays. *Journal of Immunological Methods*, **2008**, 336, 56-63	2.5	52
16	High Levels of MicroRNA-126 Bioactivity Specify the LSC Compartment in AML. *Blood*, **2008**, 112, 510-510	9.2	
15	Human, viral or mutant human IL-10 expressed after local adenovirus-mediated gene transfer are equally effective in ameliorating disease pathology in a rabbit knee model of antigen-induced arthritis. *Arthritis Research and Therapy*, **2006**, 8, R91	5.7	14
14	Hyperactive Himar1 transposase mediates transposition in cell culture and enhances gene expression in vivo. *Human Gene Therapy*, **2006**, 17, 1006-18	4.8	28
13	Exosomes derived from genetically modified DC expressing FasL are anti-inflammatory and immunosuppressive. *Molecular Therapy*, **2006**, 13, 289-300	11.7	170
12	Exosomes derived from IL-10-treated dendritic cells can suppress inflammation and collagen-induced arthritis. *Journal of Immunology*, **2005**, 174, 6440-8	5.3	264
11	MicroRNA Expression Profiling in Sorted AML Subpopulations: A Possible Role for miR-155/BIC in Stem Cell Maintenance and Leukemogenesis.. *Blood*, **2005**, 106, 466-466	2.2	2
10	Identification of a synovial fibroblast-specific protein transduction domain for delivery of apoptotic agents to hyperplastic synovium. *Molecular Therapy*, **2003**, 8, 295-305	11.7	55
9	The contralateral effect conferred by intra-articular adenovirus-mediated gene transfer of viral IL-10 is specific to the immunizing antigen. *Gene Therapy*, **2003**, 10, 2029-35	4	31
8	Adverse effects of adenovirus-mediated gene transfer of human transforming growth factor beta 1 into rabbit knees. *Arthritis Research*, **2003**, 5, R132-9		96
7	Ex vivo gene delivery of IL-1Ra and soluble TNF receptor confers a distal synergistic therapeutic effect in antigen-induced arthritis. *Molecular Therapy*, **2002**, 6, 591-600	11.7	21
6	Adenovirus-mediated gene transfer of insulin-like growth factor 1 stimulates proteoglycan synthesis in rabbit joints. *Arthritis and Rheumatism*, **2000**, 43, 2563-70		95
5	Intra-articular delivery of a herpes simplex virus IL-1Ra gene vector reduces inflammation in a rabbit model of arthritis. *Gene Therapy*, **1999**, 6, 1713-20	4	105
4	Lessons learned from gene transfer approaches. *Arthritis Research*, **1999**, 1, 21-4		11
3	Direct adenovirus-mediated gene transfer of interleukin 1 and tumor necrosis factor alpha soluble receptors to rabbit knees with experimental arthritis has local and distal anti-arthritic effects. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 4613-8	11.5	262
2	Direct retrovirus-mediated gene transfer to the synovium of the rabbit knee: implications for arthritis gene therapy. *Gene Therapy*, **1997**, 4, 977-82	4	82
1	Quantitative Single-Cell Proteomics as a Tool to Characterize Cellular Hierarchies		12