

# Kevin Rouault-Pierre

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

935  
citations

687363

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| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Increased Vascular Permeability in the Bone Marrow Microenvironment Contributes to Disease Progression and Drug Response in Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2017, 32, 324-341.e6.  | 16.8 | 179       |
| 2  | HIF-2 $\beta$ Protects Human Hematopoietic Stem/Progenitors and Acute Myeloid Leukemic Cells from Apoptosis Induced by Endoplasmic Reticulum Stress. <i>Cell Stem Cell</i> , 2013, 13, 549-563.   | 11.1 | 163       |
| 3  | A Niche-Like Culture System Allowing the Maintenance of Primary Human Acute Myeloid Leukemia-Initiating Cells: A New Tool to Decipher Their Chemoresistance and Self-Renewal Mechanisms. <i>Stem Cells Translational Medicine</i> , 2014, 3, 520-529. | 3.3  | 95        |
| 4  | Modeling the human bone marrow niche in mice: From host bone marrow engraftment to bioengineering approaches. <i>Journal of Experimental Medicine</i> , 2018, 215, 729-743.   | 8.5  | 91        |
| 5  | SF3B1 mutant MDS-initiating cells may arise from the haematopoietic stem cell compartment. <i>Nature Communications</i> , 2015, 6, 10004.   | 12.8 | 68        |
| 6  | Mesenchymal niche remodeling impairs hematopoiesis via stanniocalcin 1 in acute myeloid leukemia. <i>Journal of Clinical Investigation</i> , 2020, 130, 3038-3050.  | 8.2  | 48        |
| 7  | Translational Regulations in Response to Endoplasmic Reticulum Stress in Cancers. <i>Cells</i> , 2020, 9, 540.  | 4.1  | 38        |
| 8  | The combination of CHK1 inhibitor with G-CSF overrides cytarabine resistance in human acute myeloid leukemia. <i>Nature Communications</i> , 2017, 8, 1679.   | 12.8 | 36        |
| 9  | Adaptive from Innate: Human IFN- $\gamma$ +CD4+ T Cells Can Arise Directly from CXCL8-Producing Recent Thymic Emigrants in Babies and Adults. <i>Journal of Immunology</i> , 2017, 199, 1696-1705.  | 0.8  | 27        |
| 10 | Effect of hypoxia-inducible factors in normal and leukemic stem cell regulation and their potential therapeutic impact. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 463-476.  | 3.1  | 24        |
| 11 | ER Stress and Unfolded Protein Response in Leukemia: Friend, Foe, or Both?. <i>Biomolecules</i> , 2021, 11, 199.  | 4.0  | 22        |
| 12 | Different Motile Behaviors of Human Hematopoietic Stem versus Progenitor Cells at the Osteoblastic Niche. <i>Stem Cell Reports</i> , 2015, 5, 690-701.  | 4.8  | 21        |
| 13 | Ectopic Humanized Mesenchymal Niche in Mice Enables Robust Engraftment of Myelodysplastic Stem Cells. <i>Blood Cancer Discovery</i> , 2021, 2, 135-145.   | 5.0  | 21        |
| 14 | Targeting the lysine-specific demethylase 1 rewires kinase networks and primes leukemia cells for kinase inhibitor treatment. <i>Science Signaling</i> , 2022, 15, eabl7989.  | 3.6  | 15        |
| 15 | Myelodysplastic syndrome can propagate from the multipotent progenitor compartment. <i>Haematologica</i> , 2017, 102, e7-e10.   | 3.5  | 14        |
| 16 | Nuclear Factor Erythroid 2 Regulates Human HSC Self-Renewal and T Cell Differentiation by Preventing NOTCH1 Activation. <i>Stem Cell Reports</i> , 2017, 9, 5-11.   | 4.8  | 14        |
| 17 | Despite mutation acquisition in hematopoietic stem cells, JMML-propagating cells are not always restricted to this compartment. <i>Leukemia</i> , 2020, 34, 1658-1668.  | 7.2  | 14        |
| 18 | Loss of tRNA-modifying enzyme Elp3 activates a p53-dependent antitumor checkpoint in hematopoiesis. <i>Journal of Experimental Medicine</i> , 2021, 218, .  | 8.5  | 14        |

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|----|---|-----|-----------|
| 19 | c-Fos induces chondrogenic tumor formation in immortalized human mesenchymal progenitor cells. <i>Scientific Reports</i> , 2018, 8, 15615.  | 3.3 | 12        |
| 20 | Acquired somatic variants in inherited myeloid malignancies. <i>Leukemia</i> , 2022, 36, 1377-1381.   | 7.2 | 8         |
| 21 | A dual role for the RNA helicase DHX34 in NMD and pre-mRNA splicing and its function in hematopoietic differentiation. <i>Rna</i> , 0, , rna.079277.122.  | 3.5 | 4         |
| 22 | Increased Vascular Permeability in the Bone Marrow Microenvironment Contributes to Acute Myeloid Leukemia Progression and Drug Response. <i>Blood</i> , 2016, 128, 2662-2662.   | 1.4 | 2         |
| 23 | Splicing Factor Mutations and Disease Phenotype: Searching for a Needle in a Haystack. <i>HemaSphere</i> , 2021, 5, e587.   | 2.7 | 1         |
| 24 | CRISPR/Cas9-Targeted De Novo DNA Methylation Is Maintained and Impacts the Colony Forming Potential of Human Hematopoietic CD34+ Cells. <i>Blood</i> , 2019, 134, 2517-2517.  | 1.4 | 1         |
| 25 | Mannose Metabolism Is a Metabolic Vulnerability Unveiled By Standard and Novel Therapies in Acute Myeloid Leukemia. <i>Blood</i> , 2021, 138, 508-508.  | 1.4 | 1         |
| 26 | Chimeric Antigen Receptor for Specific Targeting of Acute Myeloid Leukemia. <i>Blood</i> , 2012, 120, 4225-4225.  | 1.4 | 0         |
| 27 | SF3B1 Mutant Clones From Patients With Refractory Anaemia With Ringed Sideroblasts (RARS) Originate From The Early Haematopoietic Stem Cells and Maintain Their Engraftment Potential. <i>Blood</i> , 2013, 122, 262-262. | 1.4 | 0         |
| 28 | Multiomic Single-Cell Sequencing Reveals Patterns of Disease Evolution and Acute Transformation in Chronic Myelomonocytic Leukaemia. <i>Blood</i> , 2021, 138, 2586-2586.   | 1.4 | 0         |
| 29 | Integration of Deep Multi-Omics Profiling Veals New Insights into the Biology of Poor-Risk Acute Myeloid Leukemia. <i>Blood</i> , 2020, 136, 39-40.   | 1.4 | 0         |