Stanford



Rajiv Sharma

Sr. Research Scientist - Basic Life, Medicine - Med/Hematology

Bio

ACADEMIC APPOINTMENTS

- Sr. Research Scientist - Basic Life, Medicine - Med/Hematology

Publications

PUBLICATIONS

- **ENGINEERING SEQUENTIAL MUTATIONS INTO HUMAN HSPCS YIELDS AN AGGRESSIVE MYELOID MALIGNANCY ALLOWING FOR INTERROGATION OF PRELEUKEMIC TRANSFORMATION**
  Collins, C., Nakauchi, Y., Koehnke, T., Chavez, J., Choi, S., Sharma, R., Zhao, F., Majeti, R.
  ELSEVIER SCIENCE INC.2024

- **The TRACE-Seq method tracks recombination alleles and identifies clonal reconstitution dynamics of gene targeted human hematopoietic stem cells.** *Nature communications*
  Sharma, R. n., Dever, D. P., Lee, C. M., Azizi, A. n., Pan, Y. n., Camarena, J. n., Köhnke, T. n., Bao, G. n., Porteus, M. H., Majeti, R. n.
  2021; 12 (1): 472

- **Induction of Truncating ASXL1 Mutations in Human CD34+HSPCs Mimics Human ASXL1-Mutated Clonal Hematopoiesis and Progression to Myeloid Malignancies**
  Koehnke, T., Sharma, R., Nakauchi, Y., Reinisch, A., Majeti, R.
  AMER SOC HEMATOLOGY.2019

- **Barcoded Clonal Tracking of CRISPR-Cas9 and rAAV6-Mediated Gene Targeting in Human Hematopoietic Stem and Progenitor Cells**
  Dever, D. P., Sharma, R., Lee, C. M., Aziz, A., Koehnke, T., Camarena, J., Pan, Y., Zhao, F., Bao, G., Majeti, R., Porteus, M.
  CELL PRESS.2019: 5

- **Azacitidine and Ascorbate Inhibit the Competitive Outgrowth of Human TET2 Mutant HSPCs in a Xenograft Model of Pre-Leukemia**
  Nakauchi, Y., Thomas, D., Sharma, R., Corces, M., Reinisch, A., Cruz, D., Koehnke, T., Karigane, D., Fan, A., Majeti, R.
  AMER SOC HEMATOLOGY.2018

- **In vivo genome editing of the albumin locus as a platform for protein replacement therapy** *BLOOD*
  Sharma, R., Anguela, X. M., Doyon, Y., Wechsler, T., DeKelver, R. C., Sproul, S., Paschon, D. E., Miller, J. C., Davidson, R. J., Shivak, D., Zhou, S., Rieders, J., Gregory, et al
  2015; 126 (15): 1777-1784

- **Robust ZFN-mediated genome editing in adult hemophilic mice** *BLOOD*
  Anguela, X. M., Sharma, R., Doyon, Y., Miller, J. C., Li, H., Haurigot, V., Rohde, M. E., Wong, S. Y., Davidson, R. J., Zhou, S., Gregory, P. D., Holmes, M. C., High, et al
  2013; 122 (19): 3283-3287