



Ravi Majeti MD, PhD

Director, Stanford Institute for Stem Cell Biology and Regenerative Medicine, Virginia and D. K. Ludwig Professor and Professor of Medicine (Hematology/ Stem Cell Institute)

 Curriculum Vitae available Online

CONTACT INFORMATION

• Administrative Contact

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Bio

BIO

Ravi Majeti MD, PhD is the Virginia and D.K. Ludwig Professor, Professor of Medicine (Hematology), and Director of the Institute for Stem Cell Biology and Regenerative Medicine at the Stanford University School of Medicine. He was an undergraduate at Harvard, earned his MD and PhD from UCSF, and trained in Internal Medicine at Brigham and Women's Hospital in Boston. Dr. Majeti completed his Hematology Fellowship at Stanford and is a board-certified hematologist. While at Stanford, he completed post-doctoral training in the laboratory of Irving Weissman, where he investigated acute myeloid leukemia (AML) stem cells. Dr. Majeti directs an active NIH-funded laboratory that focuses on the molecular characterization and therapeutic targeting of leukemia stem cells in human hematologic disorders, particularly AML, and has published >120 peer-reviewed articles. He is a recipient of the Burroughs Wellcome Career Award for Medical Scientists, the New York Stem Cell Foundation Robertson Investigator Award, the Leukemia and Lymphoma Society Scholar Award, and the Clifford Prize. Dr. Majeti is a member of the American Association for Cancer Research (AACR) Task Force on Hematologic Malignancies. He also serves of the editorial boards of Blood and Cancer Discovery.

ACADEMIC APPOINTMENTS

- Professor, Medicine
- Member, Bio-X
- Director, Institute for Stem Cell Biology and Regenerative Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Institute for Stem Cell Biology and Regenerative Medicine, (2022- present)
- Director, Stanford Ludwig Center for Cancer Stem Cell Research and Medicine, (2022- present)
- Chief, Division of Hematology, (2017-2022)
- Department of Medicine Team Science Division Representative, Department of Medicine, (2022- present)
- Co-Director, Hematologic Malignancies Program - Stanford Cancer Institute, (2014-2023)

- Co-Director, Translational Research Program - Internal Medicine Residency, (2013-2017)

HONORS AND AWARDS

- Till and McCulloch Award, International Society for Experimental Hematology (2024)
- Member, Association of American Physicians (2021)
- Member, American Society for Clinical Investigation (2017)
- Scholar Award, Leukemia and Lymphoma Society (2015)
- Robertson Investigator Award, New York Stem Cell Foundation (2011)
- Career Award for Medical Scientists, Burroughs Wellcome Fund (2008)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society of Hematology - Committee on Scientific Affairs (2019 - 2022)
- Member, American Association for Cancer Research - Hematologic Malignancies Task Force (2018 - present)
- Chair, American Society of Hematology - Committee on Myeloid Neoplasia (2018 - 2018)
- Member, American Society of Hematology - Committee on Myeloid Neoplasia (2013 - 2018)

PROFESSIONAL EDUCATION

- Board Certification: Hematology, American Board of Internal Medicine (2007)
- Medical Education: University of California at San Francisco School of Medicine (2002) CA
- Residency: Brigham and Women's Hospital Harvard Medical School (2004) MA
- Fellowship: Stanford University Medical Center (2008) CA

LINKS

- Lab Website: <http://majetilab.stanford.edu/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Acute myeloid leukemia (AML) is a cancer of the blood and bone marrow that is rapidly fatal within months if untreated. Even with aggressive treatment, including high dose chemotherapy and bone marrow transplantation, five-year overall survival rates range between 30-40%. A growing body of evidence indicates that not all cells in this cancer are the same, and that there is a rare population of leukemia stem cells (LSC) that are responsible for maintaining the disease. These findings have led to the idea that in order to cure this cancer, the LSC must be eliminated, while at the same time sparing the normal blood forming stem cells within the bone marrow.

The overall goal of our research is to identify molecular and genetic differences between human AML stem cells and their normal counterparts, and then to develop therapeutic strategies directed against these targets. We utilize bioinformatics, genomics, and functional methods to investigate genes and pathways preferentially expressed or activated in LSC. From this analysis, we have identified a number of factors, including several cell surface protein markers that are more highly expressed on AML LSC compared to their normal counterparts. We have focused on one of these markers, CD47, that contributes to leukemia development by blocking the ingestion and removal of leukemia cells by cells of the immune system. Most significantly, we determined that blocking monoclonal antibodies directed against CD47 targeted LSC and depleted leukemia in mouse pre-clinical models. We have now developed a clinical grade humanized anti-CD47 antibody that is in clinical trials at the Stanford Cancer Center.

Our research has also investigated the development of AML from normal blood forming, or hematopoietic, stem cells (HSC). Genomic studies have determined that most cases of AML are associated with an average of 5 mutations, raising the question of how these multiple mutations accumulate in a single lineage of cells. We hypothesized that since HSC are the only long-lived, self-propagating cells in the myeloid lineage, then the mutations must be serially acquired in clones of HSC. Using primary patient samples and single cell genomic methods, we found evidence of pre-leukemic HSC and mutations, confirming our hypothesis. Furthermore, we showed that these pre-leukemic HSC survive chemotherapy and may give rise to relapsed disease. Thus, these pre-leukemic mutations may be critical targets for curative therapies.

Teaching

COURSES

2023-24

- Clinical Cancer Research Internship Program: CBIO 246 (Win)

2022-23

- Clinical Cancer Research Internship Program: CBIO 246 (Win)

STANFORD ADVISEES

Med Scholar Project Advisor

Grace Chen, Kendra Jackson, Shirley Liu

Doctoral Dissertation Reader (AC)

Quenton Bubb, Hana Ghanim, Karan Kathuria, Sofia Luna

Postdoctoral Faculty Sponsor

Allison Daly, Marco Herrera, Sebastian Koschade

Doctoral Dissertation Advisor (AC)

James Chavez, Katie Fang, Anthony François, Emma Heaton, Christopher Shiprack, Cassandra Stawicki, Aaron Trotman-Grant

Postdoctoral Research Mentor

Jared Wallace

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Immunology (Phd Program)
- Stem Cell Biology and Regenerative Medicine (Phd Program)

Publications

PUBLICATIONS

- **DNMT3A R882H Is Not Required for Disease Maintenance in Primary Human AML, but Is Associated With Increased Leukemia Stem Cell Frequency.** *Cancer discovery*
Köhnke, T., Karigane, D., Hilgart, E., Fan, A. C., Kayamori, K., Miyauchi, M., Collins, C. T., Suchy, F. P., Rangavajhula, A., Feng, Y., Nakauchi, Y., Martinez-Montes, E., Fowler, et al
2025
- **Intra-leukemic interferon signaling suppresses expansion and mediates chemoresistance in human AML.** *Blood cancer discovery*
Karigane, D., Fan, A. C., Nishimura, T., Kayamori, K., Nakauchi, Y., Köhnke, T., Rangavajhula, A., Ediriwickrema, A., Benard, B. A., Thomas, R., Zhao, F., Stafford, M., Suchy, et al
2025

- **A single-cell framework identifies functionally and molecularly distinct multipotent progenitors in adult human hematopoiesis.** *Cell reports*
Ediriwickrema, A., Nakauchi, Y., Fan, A. C., Köhnke, T., Hu, X., Luca, B. A., Kim, Y., Ramakrishnan, S., Nakamoto, M., Karigane, D., Linde, M. H., Azizi, A., Newman, et al
2025; 44 (9): 116236
- **Convergent epigenetic evolution drives relapse in acute myeloid leukemia.** *eLife*
Nuno, K., Azizi, A., Koehnke, T., Lareau, C., Ediriwickrema, A., Corces, M. R., Satpathy, A. T., Majeti, R.
2024; 13
- **Genome engineering with Cas9 and AAV repair templates generates frequent concatemeric insertions of viral vectors.** *Nature biotechnology*
Suchy, F. P., Karigane, D., Nakauchi, Y., Higuchi, M., Zhang, J., Pekrun, K., Hsu, I., Fan, A. C., Nishimura, T., Charlesworth, C. T., Bhadury, J., Nishimura, T., Wilkinson, et al
2024
- **Mutation order in acute myeloid leukemia identifies uncommon patterns of evolution and illuminates phenotypic heterogeneity.** *Leukemia*
Schwede, M., Jahn, K., Kuipers, J., Miles, L. A., Bowman, R. L., Robinson, T., Furudate, K., Uryu, H., Tanaka, T., Sasaki, Y., Ediriwickrema, A., Benard, B., Gentles, et al
2024
- **Human ASXL1-mutant hematopoiesis is driven by a truncated protein associated with aberrant de-ubiquitination of H2AK119.** *Blood cancer discovery*
Kohnke, T., Nuno, K. A., Alder, C. C., Gars, E. J., Phan, P., Fan, A. C., Majeti, R.
2024
- **IDH1-Mutant Preleukemic Hematopoietic Stem Cells Can Be Eliminated by Inhibition of Oxidative Phosphorylation.** *Blood cancer discovery*
Landberg, N., Köhnke, T., Feng, Y., Nakauchi, Y., Fan, A. C., Linde, M. H., Karigane, D., Lim, K., Sinha, R., Malcovati, L., Thomas, D., Majeti, R.
2024: OF1-OF18
- **IDH1-mutant preleukemic hematopoietic stem cells can be eliminated by inhibition of oxidative phosphorylation.** *Blood cancer discovery*
Landberg, N., Köhnke, T., Feng, Y., Nakauchi, Y., Fan, A. C., Linde, M. H., Karigane, D., Lim, K., Sinha, R., Malcovati, L., Thomas, D., Majeti, R.
2023
- **RUNX1 loss renders hematopoietic and leukemic cells dependent on interleukin-3 and sensitive to JAK inhibition.** *The Journal of clinical investigation*
Fan, A. C., Nakauchi, Y., Bai, L., Azizi, A., Nuno, K. A., Zhao, F., Köhnke, T., Karigane, D., Cruz-Hernandez, D., Reinisch, A., Khatri, P., Majeti, R.
2023
- **Reprogramming Cancer into Antigen Presenting Cells as a Novel Immunotherapy.** *Cancer discovery*
Linde, M. H., Fan, A. C., Kohnke, T., Trotman-Grant, A. C., Gurev, S. F., Phan, P., Zhao, F., Haddock, N. L., Nuno, K. A., Gars, E. J., Stafford, M., Marshall, P. L., Dove, et al
2023
- **Dysregulated lipid synthesis by oncogenic IDH1 mutation is a targetable synthetic lethal vulnerability.** *Cancer discovery*
Thomas, D., Wu, M., Nakauchi, Y., Zheng, M., Thompson-Peach, C. A., Lim, K., Landberg, N., Kohnke, T., Robinson, N., Kaur, S., Kutyna, M., Stafford, M., Hiwase, et al
2022
- **Single cell genomics in AML: extending the frontiers of AML research.** *Blood*
Ediriwickrema, A., Gentles, A. J., Majeti, R.
2022
- **The cell type specific 5hmC landscape and dynamics of healthy human hematopoiesis and TET2-mutant pre-leukemia.** *Blood cancer discovery*
Nakauchi, Y., Azizi, A., Thomas, D., Corces, M. R., Reinisch, A., Sharma, R., Cruz Hernandez, D., Kohnke, T., Karigane, D., Fan, A., Martinez-Krams, D., Stafford, M., Kaur, et al
2022
- **Clonal hematopoiesis: from mechanisms to clinical intervention.** *Cancer discovery*
Kohnke, T., Majeti, R.
2021

- **NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity.** *Blood cancer discovery*
Richards, R. M., Zhao, F., Freitas, K. A., Parker, K. R., Xu, P., Fan, A., Sotillo, E., Daugaard, M., Oo, H. Z., Liu, J., Hong, W. J., Sorensen, P. H., Chang, et al
2021; 2 (6): 648-665
- **IL-6 blockade reverses bone marrow failure induced by human acute myeloid leukemia.** *Science translational medicine*
Zhang, T. Y., Dutta, R., Benard, B., Zhao, F., Yin, R., Majeti, R.
2020; 12 (538)
- **Enasidenib drives human erythroid differentiation independently of isocitrate dehydrogenase 2.** *The Journal of clinical investigation*
Dutta, R. n., Zhang, T. Y., Köhnke, T. n., Thomas, D. n., Linde, M. n., Gars, E. n., Stafford, M. n., Kaur, S. n., Nakauchi, Y. n., Yin, R. n., Azizi, A. n., Narla, A. n., Majeti, et al
2020
- **Integrated analysis of patient samples identifies biomarkers for venetoclax efficacy and combination strategies in acute myeloid leukemia.** *Nature cancer*
Zhang, H. n., Nakauchi, Y. n., Köhnke, T. n., Stafford, M. n., Bottomly, D. n., Thomas, R. n., Wilmot, B. n., McWeeney, S. K., Majeti, R. n., Tyner, J. W.
2020; 1 (8): 826–39
- **Single-cell mutational profiling enhances the clinical evaluation of AML MRD.** *Blood advances*
Ediriwickrema, A. n., Aleshin, A. n., Reiter, J. G., Corces, M. R., Köhnke, T. n., Stafford, M. n., Liedtke, M. n., Medeiros, B. C., Majeti, R. n.
2020; 4 (5): 943–52
- **CD47 Blockade by Hu5F9-G4 and Rituximab in Non-Hodgkin's Lymphoma.** *The New England journal of medicine*
Advani, R., Flinn, I., Popplewell, L., Forero, A., Bartlett, N. L., Ghosh, N., Kline, J., Roschewski, M., LaCasce, A., Collins, G. P., Tran, T., Lynn, J., Chen, et al
2018; 379 (18): 1711–21
- **SY-1425 (tamibarotene), a potent and selective RAR alpha agonist, induces changes in the transcriptional regulatory circuit of AML cells leading to differentiation**
Fiore, C. M., McKeown, M. R., Lee, E., Eaton, M. L., Smith, D., Austgen, K., Chen, M., Guenther, M., Corces, M., Majeti, R., Olson, E., Fritz, C. C.
AMER ASSOC CANCER RESEARCH.2017: 29–30
- **Human AML-iPSCs Reacquire Leukemic Properties after Differentiation and Model Clonal Variation of Disease.** *Cell stem cell*
Chao, M. P., Gentles, A. J., Chatterjee, S., Lan, F., Reinisch, A., Corces, M. R., Xavy, S., Shen, J., Haag, D., Chanda, S., Sinha, R., Morganti, R. M., Nishimura, et al
2017; 20 (3): 329-344 e7
- **Biology and relevance of human acute myeloid leukemia stem cells.** *Blood*
Thomas, D., Majeti, R.
2017
- **Super-Enhancer Analysis Defines Novel Epigenomic Subtypes of Non-APL AML Including an RAR α Dependency Targetable by SY-1425, a Potent and Selective RAR α Agonist.** *Cancer discovery*
McKeown, M. R., Corces, M. R., Eaton, M. L., Fiore, C. n., Lee, E. n., Lopez, J. T., Chen, M. W., Smith, D. n., Chan, S. M., Koenig, J. L., Austgen, K. n., Guenther, M. G., Orlando, et al
2017
- **Multiplexed genetic engineering of human hematopoietic stem and progenitor cells using CRISPR/Cas9 and AAV6.** *eLife*
Bak, R. O., Dever, D. P., Reinisch, A. n., Cruz Hernandez, D. n., Majeti, R. n., Porteus, M. H.
2017; 6
- **A humanized bone marrow ossicle xenotransplantation model enables improved engraftment of healthy and leukemic human hematopoietic cells** *NATURE MEDICINE*
Reinisch, A., Thomas, D., Corces, M. R., Zhang, X., Gratzinger, D., Hong, W., Schallmoser, K., Strunk, D., Majeti, R.
2016; 22 (7): 812-821
- **Leukemia-Associated Cohesin Mutants Dominantly Enforce Stem Cell Programs and Impair Human Hematopoietic Progenitor Differentiation.** *Cell stem cell*
Mazumdar, C., Shen, Y., Xavy, S., Zhao, F., Reinisch, A., Li, R., Corces, M. R., Flynn, R. A., Buenrostro, J. D., Chan, S. M., Thomas, D., Koenig, J. L., Hong, et al

2015; 17 (6): 675-688

- **Pre-Clinical Development of a Humanized Anti-CD47 Antibody with Anti-Cancer Therapeutic Potential.** *PLoS one*
Liu, J., Wang, L., Zhao, F., Tseng, S., Narayanan, C., Shura, L., Willingham, S., Howard, M., Prohaska, S., Volkmer, J., Chao, M., Weissman, I. L., Majeti, et al
2015; 10 (9): e0137345
- **Reprogramming of primary human Philadelphia chromosome-positive B cell acute lymphoblastic leukemia cells into nonleukemic macrophages** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
McClellan, J. S., Dove, C., Gentles, A. J., Ryan, C. E., Majeti, R.
2015; 112 (13): 4074-4079
- **Isocitrate dehydrogenase 1 and 2 mutations induce BCL-2 dependence in acute myeloid leukemia.** *Nature medicine*
Chan, S. M., Thomas, D., Corces-Zimmerman, M. R., Xavy, S., Rastogi, S., Hong, W., Zhao, F., Medeiros, B. C., Tyvoll, D. A., Majeti, R.
2015; 21 (2): 178-184
- **Mutant WT1 is associated with DNA hypermethylation of PRC2 targets in AML and responds to EZH2 inhibition.** *Blood*
Sinha, S., Thomas, D., Yu, L., Gentles, A. J., Jung, N., Corces-Zimmerman, M. R., Chan, S. M., Reinisch, A., Feinberg, A. P., Dill, D. L., Majeti, R.
2015; 125 (2): 316-326
- **Preleukemic mutations in human acute myeloid leukemia affect epigenetic regulators and persist in remission.** *Proceedings of the National Academy of Sciences of the United States of America*
Corces-Zimmerman, M. R., Hong, W., Weissman, I. L., Medeiros, B. C., Majeti, R.
2014; 111 (7): 2548-2553
- **Clonal Evolution of Preleukemic Hematopoietic Stem Cells Precedes Human Acute Myeloid Leukemia** *SCIENCE TRANSLATIONAL MEDICINE*
Jan, M., Snyder, T. M., Corces-Zimmerman, M. R., Vyas, P., Weissman, I. L., Quake, S. R., Majeti, R.
2012; 4 (149)
- **Association of a Leukemic Stem Cell Gene Expression Signature With Clinical Outcomes in Acute Myeloid Leukemia** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Gentles, A. J., Plevritis, S. K., Majeti, R., Alizadeh, A. A.
2010; 304 (24): 2706-2715
- **Anti-CD47 Antibody Synergizes with Rituximab to Promote Phagocytosis and Eradicate Non-Hodgkin Lymphoma** *CELL*
Chao, M. P., Alizadeh, A. A., Tang, C., Myklebust, J. H., Varghese, B., Gill, S., Jan, M., Cha, A. C., Chan, C. K., Tan, B. T., Park, C. Y., Zhao, F., Kohrt, et al
2010; 142 (5): 699-713
- **CD47 Is an Adverse Prognostic Factor and Therapeutic Antibody Target on Human Acute Myeloid Leukemia Stem Cells** *CELL*
Majeti, R., Chao, M. P., Alizadeh, A. A., Pang, W. W., Jaiswal, S., Gibbs, K. D., van Rooijen, N., Weissman, I. L.
2009; 138 (2): 286-299
- **Identification of a hierarchy of multipotent hematopoietic progenitors in human cord blood** *CELL STEM CELL*
Majeti, R., Park, C. Y., Weissman, I. L.
2007; 1 (6): 635-645
- **DNA Methylation Stochasticity is Linked to Transcriptional Variability and Convergent Epigenetic Disruption Across Genetic Subtypes of Acute Myeloid Leukemia.** *Cancer research*
Hilgart, E., Zhou, W., Martinez-Montes, E., Tryggvadottir, R., Gondek, L. P., Majeti, R., Ji, H., Koldobskiy, M. A., Feinberg, A. P.
2026
- **Resistance is not futile: RAS inhibition resensitizes AML.** *Blood*
Collins, C., Majeti, R.
2026; 147 (3): 222-224
- **A CEBPB/IL-1 β /TNF- α Feedback Loop Drives Drug Resistance to Venetoclax and MDM2 Inhibitors in Monocytic Leukemia.** *Blood*
Allen, B., Bottomly, D., Köhnke, T., Wang, A., Lin, H. Y., Johnson, K., Kenna, I., Streltsova, A., Martin, E., Chen, R., Savoy, L., Long, N., Ryabinin, et al
2025

- **The improved prognosis of FLT3-internal tandem duplication but not tyrosine kinase domain mutations in acute myeloid leukemia in the era of targeted therapy: a realworld study using large-scale electronic health record data.** *Haematologica*
Schwede, M., Rodriguez, G., Kennedy, V. E., Henry, S., Wood, D., Mannis, G. N., Majeti, R., Chen, J. H., Bendavid, E., Zhang, T. Y.
2025
- **A New Era of Functional Experimentation in Human Hematopoiesis and Leukemia Research.** *Experimental hematology*
Köhnke, T., Feng, Y., Majeti, R.
2024: 104652
- **Contemporary Approach to The Diagnosis and Classification of Myelodysplastic Neoplasms/Syndromes- Recommendations from The International Consortium for MDS (icMDS).** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*
Aakash, F., Gisriel, S. D., Zeidan, A. M., Bennett, J. M., Bejar, R., Bewersdorf, J. P., Borate, U. M., Boultonwood, J., Brunner, A. M., Buckstein, R., Carraway, H., Churpek, J. E., Daver, et al
2024: 100615
- **Pathways for macrophage uptake of cell-free circular RNAs.** *Molecular cell*
Amaya, L., Abe, B., Liu, J., Zhao, F., Zhang, W. L., Chen, R., Li, R., Wang, S., Kamber, R. A., Tsai, M. C., Bassik, M. C., Majeti, R., Chang, et al
2024
- **AML/T cell interactomics uncover correlates of patient outcomes and the key role of ICAM1 in T cell killing of AML.** *Leukemia*
Sayitoglu, E. C., Luca, B. A., Boss, A. P., Thomas, B. C., Freeborn, R. A., Uyeda, M. J., Chen, P. P., Nakauchi, Y., Waichler, C., Lacayo, N., Bacchetta, R., Majeti, R., Gentles, et al
2024
- **Lineage-tracing hematopoietic stem cell origins in vivo to efficiently make human HLF+ HOXA+ hematopoietic progenitors from pluripotent stem cells.** *Developmental cell*
Fowler, J. L., Zheng, S. L., Nguyen, A., Chen, A., Xiong, X., Chai, T., Chen, J. Y., Karigane, D., Banuelos, A. M., Niizuma, K., Kayamori, K., Nishimura, T., Cromer, et al
2024
- **Genetically Corrected RAG2-SCID Human Hematopoietic Stem Cells Restore V(D)J-Recombinase and Rescue Lymphoid Deficiency.** *Blood advances*
Pavel-Dinu, M., Gardner, C. L., Nakauchi, Y., Kawai, T., Delmonte, O. M., Palterer, B., Bosticardo, M., Pala, F., Viel, S., Malech, H. L., Ghanim, H. Y., Bode, N. M., Kurgan, et al
2023
- **Cancer in 2023** *CANCER DISCOVERY*
Greenberg, P. D., Abbruzzese, J. L., Cohen, E. E. W., Domcheck, S. M., Doubeni, C. A., Elkins, I., Formenti, S. C., Foti, M., Fuchs, T. J., Kucharczuk, J. C., Majeti, R., Mischel, P., Mucci, et al
2023; 13 (12): 2510-2514
- **Simplified Intrafemoral Injections Using Live Mice Allow for Continuous Bone Marrow Analysis.** *Journal of visualized experiments : JoVE*
Nakauchi, Y., Ediriwickrema, A., Martinez-Krams, D., Zhao, F., Rangavajhula, A., Karigane, D., Majeti, R.
2023
- **Simplified Intrafemoral Injections Using Live Mice Allow for Continuous Bone Marrow Analysis** *Journal of Visualized Experiments*
Nakauchi, Y., Ediriwickrema, A., Martinez-Krams, D., Zhao, F., Rangavajhula, A., Karigane, D., Majeti, R.
2023
- **Mutation order in acute myeloid leukemia identifies uncommon patterns of evolution and illuminates phenotypic heterogeneity.** *Research square*
Schwede, M., Jahn, K., Kuipers, J., Miles, L. A., Bowman, R. L., Robinson, T., Furudate, K., Uryu, H., Tanaka, T., Sasaki, Y., Ediriwickrema, A., Benard, B., Gentles, et al
2023
- **A Year of Advances in Precision Therapy for Blood Cancers** *BLOOD CANCER DISCOVERY*
Greenberg, P. D., Abbruzzese, J. L., Cohen, E. E. W., Domcheck, S. M., Doubeni, C. A., Elkins, I., Formenti, S. C., Foti, M., Fuchs, T. J., Kucharczuk, J. C., Majeti, R., Mischel, P., Mucci, et al
2023; 4 (6): 423-426
- **Immune Surveillance of Acute Myeloid Leukemia Is Mediated by HLA-Presented Antigens on Leukemia Progenitor Cells.** *Blood cancer discovery*

- Nelde, A., Schuster, H., Heitmann, J. S., Bauer, J., Maringer, Y., Zwick, M., Volkmer, J. P., Chen, J. Y., Stanger, A. M., Lehmann, A., Appiah, B., Märklin, M., Rücker-Braun, et al
2023: OF1-OF22
- **Convergent Epigenetic Evolution Drives Relapse in Acute Myeloid Leukemia.** *bioRxiv : the preprint server for biology*
Nuno, K. A., Azizi, A., Kohnke, T., Lareau, C. A., Ediwirickrema, A., Ryan Corces, M., Satpathy, A. T., Majeti, R.
2023
 - **Patient-Derived iPSCs Faithfully Represent the Genetic Diversity and Cellular Architecture of Human Acute Myeloid Leukemia.** *Blood cancer discovery*
Kotini, A. G., Carcamo, S., Cruz-Rodriguez, N., Olszewska, M., Wang, T., Demircioglu, D., Chang, C. J., Bernard, E., Chao, M. P., Majeti, R., Luo, H., Kharas, M. G., Hasson, et al
2023: OF1-OF18
 - **Lineage plasticity dictates responsiveness to anti-GD2 therapy in neuroblastoma.**
Mabe, N. W., Huang, M., Schaefer, D. A., Dalton, G. N., Digiovanni, G., Alexe, G., Geraghty, A. C., Khalid, D., Mader, M. M., Sheffer, M., Linde, M. H., Ly, N., Rotiroti, et al
AMER ASSOC CANCER RESEARCH.2022
 - **Targeting IDH1-Mutated Pre-Leukemic Hematopoietic Stem Cells in Myeloid Disease, Including CCUS and AML**
Landberg, N., Koehnke, T., Nakauchi, Y., Fan, A., Karigane, D., Thomas, D., Majeti, R.
AMER SOC HEMATOLOGY.2022: 2234-2235
 - **Finding consistency in classifications of myeloid neoplasms: a perspective on behalf of the International Workshop for Myelodysplastic Syndromes.** *Leukemia*
Zeidan, A. M., Bewersdorf, J. P., Buckstein, R., Sekeres, M. A., Steensma, D. P., Platzbecker, U., Loghavi, S., Boultonwood, J., Bejar, R., Bennett, J. M., Borate, U., Brunner, A. M., Carraway, et al
2022
 - **An agenda to advance research in MDS: A TOP 10 Priority List from the first international workshop in MDS (iwMDS).** *Blood advances*
Stahl, M., Abdel-Wahab, O., Wei, A. H., Savona, M. R., Xu, M. L., Xie, Z., Taylor, J., Starczynowski, D. T., Sanz, G. F., Sallman, D. A., Santini, V., Roboz, G. J., Patnaik, et al
2022
 - **TP53-Mutated Myelodysplastic Syndrome and Acute Myeloid Leukemia: Biology, Current Therapy, and Future Directions.** *Cancer discovery*
Daver, N. G., Maiti, A., Kadia, T. M., Vyas, P., Majeti, R., Wei, A. H., Garcia-Manero, G., Craddock, C., Sallman, D. A., Kantarjian, H. M.
2022: OF1-OF14
 - **MDS-482 Impact Of Magrolimab in Combination With Azacitidine on Red Blood Cells (RBCs) in Patients With Higher-Risk Myelodysplastic Syndromes (HR MDS).** *Clinical lymphoma, myeloma & leukemia*
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