

Stanford



Asiri Ediriwickrema

Instructor, Medicine - Hematology

CLINICAL OFFICE (PRIMARY)

- **Hematology Clinic**

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Bio

BIO

Instructor in Hematology

CLINICAL FOCUS

- Hematology

ACADEMIC APPOINTMENTS

- Instructor, Medicine - Hematology

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , Cancer Biology (2024)
- Board Certification: Hematology, American Board of Internal Medicine (2021)
- Fellowship: Stanford University Hematology and Oncology Fellowship (2020) CA
- Board Certification: Internal Medicine, American Board of Internal Medicine (2017)
- Residency: Stanford University Internal Medicine Residency (2017) CA
- Medical Education: Yale University School of Medicine (2014) CT
- Master of Health Science, Yale University School of Medicine (2014)
- Bachelor of Science, Massachusetts Institute of Technology , Engineering (2008)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)

Publications

PUBLICATIONS

- **Single cell genomics in AML: extending the frontiers of AML research.** *Blood*
Ediriwickrema, A., Gentles, A. J., Majeti, R.
2022
- **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
- **A sunblock based on bioadhesive nanoparticles** *NATURE MATERIALS*
Deng, Y., Ediriwickrema, A., Yang, F., Lewis, J., Girardi, M., Saltzman, W. M.
2015; 14 (12): 1278-1285
- **Nanotherapy for Cancer: Targeting and Multifunctionality in the Future of Cancer Therapies** *ACS BIOMATERIALS SCIENCE & ENGINEERING*
Ediriwickrema, A., Saltzman, W. M.
2015; 1 (2): 64-78
- **Multi-layered nanoparticles for combination gene and drug delivery to tumors** *BIOMATERIALS*
Ediriwickrema, A., Zhou, J., Deng, Y., Saltzman, W. M.
2014; 35 (34): 9343-9354
- **IDENTIFICATION AND CHARACTERIZATION OF NEW MULTIPOTENT PROGENITORS IN ADULT HUMAN HEMATOPOIESIS**
Ediriwickrema, A., Nakauchi, Y., Fan, A., Kohnke, T., Hu, X., Luca, B., Kim, Y., Ramakrishnan, S., Nakamoto, M., Karigane, D., Linde, M., Azizi, A., Newman, et al
ELSEVIER SCIENCE INC.2024
- **IDENTIFICATION AND CHARACTERIZATION OF NEW MULTIPOTENT PROGENITORS IN ADULT HUMAN HEMATOPOIESIS**
Ediriwickrema, A., Nakauchi, Y., Fan, A., Kohnke, T., Hu, X., Luca, B., Kim, Y., Ramakrishnan, S., Nakamoto, M., Karigane, D., Linde, M., Azizi, A., Newman, et al
ELSEVIER SCIENCE INC.2024
- **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
- **CD38 and BCL2 expression guides treatment with daratumumab and venetoclax in tagraxofusp-refractory blastic plasmacytoid dendritic cell neoplasm (BPDCN) featuring dynamic loss of CD123.** *Leukemia research*
Hu, X., Ediriwickrema, A., Saleem, A., Tan, B., Pemmaraju, N., Mannis, G. N.
2024; 139: 107479
- **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
- **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
- **Intra-Leukemic IFN. Signaling Mediates Cell Cycle Suppression and Chemoresistance in AML**
Karigane, D., Fan, A. C., Kayamori, K., Nakauchi, Y., Koehnke, T., Rangavajhula, A. S., Ediriwickrema, A., Majeti, R.
AMER SOC HEMATOLOGY.2023
 - **Clonal Dynamics and Deterministic Clinical Fate Mapping of Patients with Myelodysplastic Neoplasms and Acute Myeloid Leukemia with TP53 Disruption**
Patel, S., Tanenbaum, B., Ediriwickrema, A., Cerny, J., Hutchinson, L., Meng, X., Gerber, W. K., Khedr, S., Selove, W., Woda, B., Gerber, J. M.
AMER SOC HEMATOLOGY.2023
 - **Prognostic heterogeneity and clonal dynamics within distinct subgroups of myelodysplastic syndrome and acute myeloid leukemia with TP53 disruptions.** *EJHaem*
Patel, S. A., Cerny, J., Gerber, W. K., Ramanathan, M., Ediriwickrema, A., Tanenbaum, B., Hutchinson, L., Meng, X., Flahive, J., Barton, B., Gillis-Smith, A. J., Suzuki, S., Khedr, et al
2023; 4 (4): 1059-1070
 - **Peripheral blood DNA methylation profiles predict future development of B-cell Non-Hodgkin Lymphoma.** *NPJ precision oncology*
Espin-Perez, A., Brennan, K., Ediriwickrema, A. S., Gevaert, O., Lossos, I. S., Gentles, A. J.
2022; 6 (1): 53
 - **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
 - **Modeling the Development of SRSF2 Mutated Myeloid Malignancies By CRISPR/Cas9 Mediated Genome Engineering of Primary Human Hematopoietic Stem and Progenitor Cells**
Pabst, G., Fosselteder, J., Schlacher, A., Auinger, L., Martinez-Krams, D., Ediriwickrema, A., Kashofer, K., Beham-Schmid, C., Greinix, H. T., Woelfler, A., Schlenke, P., Sill, H., Zebisch, et al
AMER SOC HEMATOLOGY.2021
 - **Single Cell Analysis of Adult Human Hematopoietic Stem and Progenitor Cells Identifies a Novel Lymphoid Primed Multipotent Progenitor That Expands in Relapsed Acute Myeloid Leukemia**
Ediriwickrema, A., Luca, B. A., Newman, A. M., Gentles, A. J., Majeti, R.
AMER SOC HEMATOLOGY.2021
 - **Chromatin Accessibility Analysis Reveals Epigenetic Evolution Is a Common Mechanism of Relapse in Acute Myeloid Leukemia**
Nuno, K. A., Azizi, A., Koehnke, T., Ediriwickrema, A., Corces, M., Majeti, R.
2021
 - **Clinico-genomic profiling and clonal dynamic modeling of TP53-aberrant myelodysplastic syndrome and acute myeloid leukemia.** *Leukemia & lymphoma*
Patel, S. A., Lloyd, M. R., Cerny, J., Shi, Q., Simin, K., Ediriwickrema, A., Hutchinson, L., Miron, P. M., Higgins, A. W., Ramanathan, M., Gerber, J. M.
2021: 1-13
 - **Successful treatment of thrombocytopenia with daratumumab after allogeneic transplant: a case report and literature review.** *Blood advances*
Migdady, Y., Ediriwickrema, A., Jackson, R. P., Kadi, W., Gupta, R., Socola, F., Arai, S., Martin, B. A.
2020; 4 (5): 815–18
 - **Venetoclax and hypomethylating agent therapy in high risk myelodysplastic syndromes: a retrospective evaluation of a real-world experience.** *Leukemia & lymphoma*
Azizi, A. n., Ediriwickrema, A. n., Dutta, R. n., Patel, S. A., Shomali, W. n., Medeiros, B. n., Iberri, D. n., Gottlib, J. n., Mannis, G. n., Greenberg, P. n., Majeti, R. n., Zhang, T. n.
2020: 1–8
 - **Multiomic single cell analysis of normal human bone marrow identifies a unique stem and progenitor population that expands in AML** *Proceedings of the Annual Meeting of the American Association for Cancer Research 2020*

Ediriwickrema, A., Ramakrishnan, S., Nakamoto, M., Ghanekar, S., Luca, B., Newman, A., Gentles, A., Majeti, R.
2020

- **Granulocyte Transfusions in a Cohort of Neutropenic Patients with Life-Threatening Infections and Hematologic Diseases** *AMER SOC HEMATOLOGY*
Ediriwickrema, A., Virk, M., Andrews, J.
2019; 3696
- **A Case Report of Refractory Immune Thrombocytopenia (ITP) Following Reduced Intensity Conditioning (RIC) Hematopoietic Cell Transplantation (HCT) for Myelodysplastic Syndrome (MDS) Successfully Treated with Off-Label Use of Daratumumab**
Migdady, Y., Gupta, R., Ediriwickrema, A., Socola, F., Arai, S., Martin, B. A.
AMER SOC HEMATOLOGY.2018
- **Comprehensive Cytokine Profiling of Patients with Advanced Systemic Mastocytosis Treated with Midostaurin**
Ediriwickrema, A., DeAngelo, D. J., George, T. I., Rosenberg-Hasson, Y., Perkins, C., Langford, C., Gotlib, J. R.
AMER SOC HEMATOLOGY.2018
- **Crescentic Glomerulonephritis With Immunoglobulin G4-Related Disease.** *The American journal of the medical sciences*
Raber, I. n., Ediriwickrema, A. n., Higgins, J. n., Kambham, N. n., Pao, A. C.
2017; 354 (3): 236–39
- **Acute bitemporal hemianopsia from a compressive anterior communicating artery aneurysm** *NEUROLOGY AND CLINICAL NEUROSCIENCE*
Keung, B., Ediriwickrema, A., Bulsara, K.
2015; 3 (3): 114–15
- **Tissue plasminogen activator via cross-collateralization for tandem internal carotid and middle cerebral artery occlusion.** *World journal of clinical cases*
Bulsara, K. R., Ediriwickrema, A., Pepper, J., Robertson, F., Aruny, J., Schindler, J.
2013; 1 (9): 290-294
- **Flow diverters and a tale of two aneurysms.** *Journal of neurointerventional surgery*
Kuzmik, G. A., Williamson, T., Ediriwickrema, A., Andeejani, A., Bulsara, K. R.
2013; 5 (4)
- **Intracranial stenting as monotherapy in subarachnoid hemorrhage and sickle cell disease.** *Journal of neurointerventional surgery*
Ediriwickrema, A., Williamson, T., Hebert, R., Matouk, C., Johnson, M. H., Bulsara, K. R.
2013; 5 (2)