



Matthew S Alkaitis, MD PhD

Clinical Assistant Professor, Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Medicine Dept of Internal Medicine**

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Bio

BIO

Matthew S Alkaitis MD, PhD is a Clinical Assistant Professor in the Division of Hospital medicine and Stanford School of Medicine. He received his PhD in biochemistry from the University of Oxford, in collaboration the National Institutes of Health as part of the NIH's graduate partnership program. He received his MD from Harvard Medical school and completed his residency in internal medicine at Stanford. Dr. Alkaitis' research interests span basic biochemistry, clinical informatics, natural language processing, genetics of hematologic malignancies and methods of cell-free DNA detection. His primary medical education interest is expanding accessibility of modern computational and bioinformatics techniques for clinical research.

CLINICAL FOCUS

- Internal Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine

PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2023)
- Residency: Stanford University Internal Medicine Residency (2023) CA
- Medical Education: Harvard Medical School (2020) MA

Publications

PUBLICATIONS

- **Circulating Tumor DNA (ctDNA) Enables Superior and Universal Measurable Residual Disease (MRD) Monitoring in Acute Myeloid Leukemia (AML) Highly Predictive of Relapse Free and Overall Survival**
Gunaratne, R., Zhou, C., Tai, J. W., Kim, S., Tanaka, K., Rajaram, S., Carleton, M., Yin, R., Alkaitis, M., Schwede, M., Sworder, B. J., Khodadoust, M. S., Majeti, et al
ELSEVIER.2024: 2955-2956
- **Development of Circulating Tumor DNA (ctDNA) for Molecular Measurable Residual Disease (MRD) in Acute Myeloid Leukemia (AML)**

Gunaratne, R., Zhou, C., Tai, J. W., Schwede, M., Tanaka, K., Alkaitis, M., Yin, R., Sworder, B. J., Mannis, G., Majeti, R., Khodadoust, M. S., Kurtz, D. M., Zhang, et al
AMER SOC HEMATOLOGY.2023

- **Comparison of History of Present Illness Summaries Generated by a Chatbot and Senior Internal Medicine Residents.** *JAMA internal medicine*
Nayak, A., Alkaitis, M. S., Nayak, K., Nikolov, M., Weinfurt, K. P., Schulman, K.
2023
- **Automated NLP Extraction of Clinical Rationale for Treatment Discontinuation in Breast Cancer.** *JCO clinical cancer informatics*
Alkaitis, M. S., Agrawal, M. N., Riely, G. J., Razavi, P., Sontag, D.
2021; 5: 550-560
- **Recoupling the cardiac nitric oxide synthases: tetrahydrobiopterin synthesis and recycling.** *Current heart failure reports*
Alkaitis, M. S., Crabtree, M. J.
2012; 9 (3): 200-10