



# Stanford MEDICINE

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## **Postdoctoral Scholar in Translational Bioinformatics for Precision Cancer Medicine**

We are looking for a highly motivated postdoctoral scholar at Stanford University School of Medicine. The major focus of the NIH-funded lab is to develop novel diagnostic, prognostic, and predictive biomarkers for precision cancer medicine. Through close collaboration with clinicians at Stanford and beyond, we have access to high-quality, well-annotated clinical specimens to support our biomarker research. Our lab is generously funded by 3 active NIH R01 grants. Our work has been published in top clinical journals such as *JAMA Oncology*, *Clinical Cancer Research*, *Radiology*, etc. Please visit <http://med.stanford.edu/lilab>

The project involves development of circulating tumor DNA methylation-based tests for early cancer detection and prognostication. Candidates from a diverse background are encouraged to apply. The applicant should hold a PhD in physical sciences or engineering with a strong motivation to solve biomedical problems. The ideal candidates will have prior research experience in NGS analysis, cancer genomics, or epigenetics. Strong statistical, machine learning, and programming skills are required.

I am dedicated to cultivating and mentoring the next generation scientists in biomedical research. Postdocs and students in the lab have gone on to establish their own independent labs in academia or secure jobs in healthcare or technology industry. Major awards to my postdoc trainees include ASTRO Clinical/Basic Science Research Award and Basic/Translational Science Award. ASTRO is the world's largest professional society for radiation oncologists. One of my postdocs received the prestigious NIH K99/R00 Pathway to Independence Award from the NCI, which provides \$1,000,000 over 5 years to establish an independent research program. He has been offered a tenure-track faculty position at MD Anderson Cancer Center.

Stanford University is located at the heart of Silicon Valley, epicenter of the technology revolution in biomedicine. This is an excellent opportunity not only for those motivated to pursue an academic career, but also for those interested in entrepreneurship with the goal of commercialization and translation of new technology into clinical practice.

Interested applicants should send a research statement, CV, and names of three references to:

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