Postdoctoral Scholar Position in Translational Bioinformatics/Computational Biology 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, validate, and clinically translate diagnostic, prognostic, predictive biomarkers for precision cancer medicine. We employ several approaches including, but not limited to, radiological and histopathological imaging analysis, as well as high-throughput analysis of molecular profiles such as bulk and single-cell gene expression. We integrate datasets of large patient populations and develop novel statistical and machine learning methods. Through these efforts, we hope to gain a deeper understanding of the molecular basis of cancer initiation, progression, metastasis, as well as response and resistance to therapy. Our work has been published in top-tier journals such as *JAMA Oncology*, *Clinical Cancer Research*, *Radiology*, etc. Please visit [http://med.stanford.edu/lilab](http://med.stanford.edu/lilab)

Candidates from a diverse background are encouraged to apply. The applicant may hold a PhD either in physical sciences or engineering with a strong motivation to solve biomedical problems, or in biomedical sciences with a strong interest to apply computational approaches. The project involves the integration of diverse types of high-throughput molecular data for developing diagnostic, prognostic, and/or predictive biomarkers for precision oncology. The ideal candidates will have strong analytic and programming skills, as well as prior research experience in cancer genomics, epigenomics, or transcriptomics. Knowledge in molecular biology and tumor immunology, or experience with single-cell gene expression analysis, multi-omic data integration and/or network analysis is strongly preferred.

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 technology industry. Major awards to my postdoc trainees include ASTRO Resident Clinical/Basic Science Research Award, ASTRO Basic/Translational Science Award, and RSNA Introduction to Academic Radiology for Scientists. ASTRO and RSNA are the world’s largest professional society for radiation oncologists and radiologists, respectively. One of my trainees Jia Wu 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 with a tenure-track faculty position.

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

Ruijiang Li, PhD DABR  
Email: rli2@stanford.edu