Ruijiang Li, Ph.D., D.A.B.R
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Postdoctoral Scholar in AI for Medical Image Analysis, Precision Cancer Medicine

The Ruijiang Li lab at Stanford University School of Medicine is recruiting a highly motivated postdoctoral scholar. The major focus of the lab is to develop imaging biomarkers and molecular diagnostics for early cancer detection, diagnosis, prediction of therapy response and outcomes. Our work has been published in top-tier journals including *JAMA Oncology*, *Nature Communications*, *Annals of Oncology*, *Annals of Surgery*, *Clinical Cancer Research*, *Radiology*. The lab is funded by 3 active NIH R01 grants. Please visit http://med.stanford.edu/lilab

The project involves the use of machine learning and deep learning for medical image analysis, including radiology (CT, MRI) and histopathology (H&E, multiplex florescence imaging). This information will be integrated with genomics and transcriptomics data to build tumor atlas as well as to predict treatment response and patient outcomes. The ultimate goal is to develop novel diagnostic, prognostic, and predictive biomarkers for precision oncology. We closely work with a multidisciplinary expert team of surgeons, radiologists, pathologists, and oncologists.

The applicant should hold a PhD in physical sciences or engineering (including applied math, statistics) with a strong motivation to solve biomedical problems. The ideal candidates will have prior research experience in medical image analysis, machine learning expertise, and strong programming skills.

Postdocs and students in the lab have gone on to establish their own independent groups in academia or secure jobs in technology industry. Major national awards won by our trainees include the ASTRO Clinical/Basic Science Research Award, Basic/Translational Science Award, and the prestigious NIH K99/R00 Pathway to Independence Award, which provides $1,000,000 over 5 years to establish an independent research program. One of my trainees has joined the MD Anderson Cancer Center (No.1 cancer hospital in the U.S.) as a tenure-track assistant professor.

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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:

Ruijiang Li, PhD DABR

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