Faculty Position in Radiological Sciences Laboratory

The Radiological Sciences Laboratory (http://rsl.stanford.edu) in Stanford University's Department of Radiology invites applications for a faculty appointment, open rank in the University Tenure Line or Research Line. The predominant criterion for appointment in the University Tenure Line is a major commitment to research and teaching. The major criterion for appointment for faculty in the Research Line is evidence of high-level performance as a researcher for whose special knowledge a programmatic need exists.

We are seeking an energetic and visionary individual with a doctoral degree in an engineering or science discipline who has demonstrated or provides clear evidence for their potential to develop diagnostic and therapeutic imaging methods at the cutting edge of basic and clinical medicine, with eventual translation to improved healthcare. The position will be based at the Radiological Sciences Laboratory (RSL) on the Stanford campus. The ideal candidate will fuse engineering and the physical sciences with biology and medicine to promote scientific discovery and the invention of new imaging technologies or therapies. Strong candidates in any area of radiological imaging will be considered. The RSL currently comprises eleven basic- science faculty, focused on X-ray/CT acquisition, magnetic resonance imaging, and ultrasound imaging/therapy delivery.

A strong commitment to graduate teaching is desired, and the supervision of doctoral students and academic advising of trainees at all levels is expected. Ideal candidates should demonstrate strong communication, teaching, and the ability to actively contribute to our rapidly growing Radiology department at Stanford.

Comprehensive research imaging facilities available include X-ray/CT laboratories, ultrasound laboratories, three 3T MRIs (one PET/MR including a 13C hyperpolarizer), one 7T human MRI scanner, and a small animal imaging facility. The RSL has very strong ties to the Department's four other basic science divisions, the Molecular Imaging Program (http://mips.stanford.edu), Integrative Biomedical Imaging Informatics at Stanford (http://ibiis.stanford.edu), Canary Center at Stanford for Cancer Early Detection (http://canarycenter.stanford.edu), and the Precision Health and Integrated Diagnostics (http://med.stanford.edu/phind) and collaborates with scientists and clinicians in the department and many other School of Medicine and School of Engineering departments, which facilitates technology translation and provides a rich intellectual environment.

Please submit your curriculum vitae and candidate statement (no longer than 3 pages) describing your research and teaching interests and experience at http://radjobs.stanford.edu. Successful applicants may benefit from collaborative opportunities at interdisciplinary institutes and centers, including for example Bio-X (biox.stanford.edu), Stanford Neuroscience Institute (neuroscience.stanford.edu), SLAC (slac.stanford.edu), and the newly developed Biomedical Data Science Initiative (med.stanford.edu/bdsi.html).