Postdoctoral Research - Compositional MRI of Musculoskeletal Tissues, Stanford University, Stanford, CA

The Department of Orthopedic Surgery at Stanford University is seeking a post-doctoral fellow with expertise in MRI physics, relaxometry of musculoskeletal tissues, and MRI scanning of human subjects. The successful applicant will work on federally funded clinical projects in cartilage imaging, cartilage repair and osteoarthritis treatment and prevention at Stanford University and the Veterans Affairs Hospital in Palo Alto. Expertise in quantitative MRI relaxometry and human subjects research and scanning are required. Familiarity with currently used scanner technologies, pulse sequence programming, cartilage and joint tissue imaging are preferred. Excellent communication, teamwork, data processing, written and oral presentation and problem solving skills are desired.

Required Qualifications:
- PhD in Imaging or MRI Physics
- Expertise with quantitative MRI relaxometry
- Expertise with human clinical research
- Expertise with cartilage and joint imaging
- Expertise with pulse sequence programming

Required Application Materials:
- curriculum vitae
- 3 letters of reference, one from PhD mentor

Faculty Sponsor: Dr. Constance R. Chu, MD
Department: Orthopedic Surgery
Postdoc Appointment Term: Two-Years
Appointment Start Date: Flexible
Group or Departmental Website: https://profiles.stanford.edu/constance-chu
How to Submit Application Materials: Please submit application materials to Constance R. Chu, MC c/o Ashley Williams, ashleyaw@stanford.edu