



# THE OHIO STATE UNIVERSITY

WEXNER MEDICAL CENTER

## **POST-DOCTORAL RESEARCHER or RESEARCH SCIENTIST – MR ELASTOGRAPHY and Cardiac DTI**

### **OVERVIEW**

The Ohio State University Department of Radiology is seeking a Post-Doctoral Researcher or Research Scientist to assist with the development of Magnetic Resonance Elastography (MRE) techniques for cardiovascular and other applications. This appointment is for 2 years with a possibility of renewal based on performance. The OSU Department of Radiology offers a competitive salary and benefits including educational opportunities through OSU.

The responsibilities of this position will include but are not limited to planning, designing, writing pulse sequences and image analysis for Magnetic Resonance Elastography and cardiac DTI. This position will be responsible for animal and human translational research. The candidate will also have the opportunity to collaborate with the Davis Heart and Lung Research Institute (DHLRI), Ross Heart Hospital, and will work closely with an interdisciplinary team of medical physicists and clinicians.

### **FACILITIES**

The OSU University Hospital's College of Medicine, Radiology, DHLRI and Ross Heart Hospital are equipped with state-of-the-art imaging facilities that include 1.5T and 3T clinical/research scanners from multiple vendors as well as the capacity to perform advanced animal research.

By joining our staff, you will be part of a prominent Radiology department within a rapidly growing medical system with a strong emphasis on high-quality personalized care and a singular vision: to create the future of medicine, one patient, one discovery at a time.

### **JOB REQUIREMENTS**

PhD in biomedical/electrical engineering or physics or other related fields; background in MR physics with considerable experience in pulse sequence programming is required; background in medical systems / medical image processing and data acquisition and analysis are required; experience working in commercial software development in a medical technology environment with proficiency in MATLAB and C/C++ is preferred.

Interested candidates should submit their CV with two references to Arunark Kolipaka, PhD, Associate Professor, Technical Director of Magnetic Resonance Imaging at [Arunark.Kolipaka@osumc.edu](mailto:Arunark.Kolipaka@osumc.edu).

Qualified candidates should apply online to: [www.wexnermedical.osu.edu/careers](http://www.wexnermedical.osu.edu/careers). Enter keyword or job ID# 434230.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, and protected veteran status.