A Magnetic Resonance Imaging Research Facility in the Department of Radiology at Brigham and Women’s Hospital in Boston has an open position:

**Technical Research Assistant II**

**Start Date:** Immediate  
**Salary:** $45k - $70k p.a. depending on qualifications

**General Summary / Overview**

A talented and enthusiastic individual with experience in MRI and preclinical research and strong organizational skills is sought. This position supports the Small Animal Imaging Laboratory (SAIL) in the Department of Radiology at Brigham and Women's Hospital, which is a teaching affiliate of Harvard Medical School. The SAIL houses two Bruker MRI rodent imaging system - a 7T and a 3T - for research and development of advanced preclinical imaging. The center also houses a satellite vivarium, an in-vivo optical imaging system and a micro-CT imaging system. The successful candidate will be responsible for performing MRI experiments followed by data analysis, and for preparing small animals and tissue samples for imaging. Responsibilities will also include planning and coordinating imaging sessions, teaching the use of MRI and optical imaging scanners, and general administrative duties such as scheduling, billing, and maintaining the infrastructure of the lab.

**Principal Duties and Responsibilities**

- Functions as resource for all study issues: oversees and coordinates all lab activities, and schedules all procedures.
- Independently performs experimental procedures and acquires MR data for multiple research protocols. Participates in design and modification of research protocols for imaging experiments.
- Prepares animals for imaging and performs simple surgical procedures.
- Oversees the data collection process and manages the laboratory’s network of raw and processed imaging data. Coordinates data transfers with collaborators. May perform data analysis using image analysis software.
- Orders laboratory supplies, equipment, and services.
- Does basic troubleshooting of electrical and mechanical equipment.
- Monitors safety procedures and ensures compliance with all hospital regulations.
- Collaborates with institutional veterinary staff to maintain rodent colonies.

**Qualifications**

- BA, BS degree in science is required; MS in an imaging-related field is preferred.
- Experience in MRI is necessary; image analysis experience is an advantage.
- Rodent handling experience is required. Experience with tail vein injections is an advantage.
- Experience with fluorescence imaging and molecular biological techniques is an advantage.
- A high degree of computer literacy is required.
- The candidate should be legally allowed to work in the U.S.

**Skills Required**

- Exceptionally strong judgment and discretion in interacting with national and international researchers, physicians and senior investigators on confidential issues.
- Excellent interpersonal, organizational, written and verbal communication skills.
- Ability to work independently, pro-actively and effectively structure tasks, set priorities, and set deadlines - ability to identify problems and troubleshoot solutions.
- Must have broad knowledge of scientific principles and imaging techniques.

Please apply for Job Number **3049514** at:  