

The purpose of this position is to support and enhance the research of scientists at the Two Brookline Place MRI facility by providing outstanding research imaging capabilities.

**This Research Imaging Tech will be responsible for:**

**Examinations**

- Perform human and nonhuman research exams in the MRI environment
- Perform MRI or other imaging safety screening of all research personnel and participants
- Collect and transfer MRI raw data from the console
- Perform off-line reconstruction.
- Operate and facilitate all research MRI equipment including physiological data equipment, fMRI equipment, and patient motion tracking equipment such as Nordic Neuro Lab and BIOPAC
- Identify research subjects according to Hospital Policy with 2 identifiers
- Select appropriate equipment and technical parameters to achieve research objectives
- Practice High Reliability Training
- Select appropriate sequences per participants needs
- Properly obtain informed consent from participants
- Ensure study protocol is properly executed
- Judge appropriate image quality as images are acquired and adjust sequences to achieve research goals
- Ensure adherence to all safety practices determined by the MRI Safety Committee
- Maintain compliance with IRB policies, and follows research protocols approved by the IRB
- Comply with all operational policies promulgated by the Research Imaging Advisory Committee, Department of Radiology, Hospital, and Joint Commission guidelines
- Consistently provide exceptional care and exceptional service

**Participant/Family Relations**

- Function as a liaison between the core facility, researchers, and participants
- Understand and provide behavioral accommodations for pediatric participants

**Operations**

- Identify and report equipment malfunctions to the chief research technologist
- Assist in organizing and maintaining daily operations such as daily quality assurance testing

**Professional Development**

- Complete all required competencies and documentation accurately and in a timely manner
- Maintain up-to-date licensure/certification/registration with the chief research technologist
- Further professional education and maintains knowledge of current regulations and standards, policies and procedures.
- Train credentialed users in the operation of the imaging equipment and research core policies including MRI safety training.

- Maintain CITI certification for research procedures.

**To qualify, you must have:**

- A Bachelor's degree, preferably in Biology/Chemistry/Allied Health/Computer Sciences
- BLS and CITI certification required
- Radiologic Technologist license for MRI preferred
- Subject-matter knowledge
  - Knowledgeable in operating MRI equipment, physiological data equipment, fMRI equipment, and patient motion tracking equipment such as Nordic Neuro Lab and BIOPAC.
  - Knowledgeable in positioning techniques for MRI.
  - Knowledge of proper MRI coil usage and storage.
  - Knowledgeable of MRI safety, cleanliness, and Infection control policies and regulations.
- Interpersonal skills
  - Communicate effectively both verbally and in writing. Responds thoughtfully and in a timely fashion.
- Problem-solving skills
  - Supports openness to new ideas and change.
  - Takes initiative to resolve issues.
- Systems skills
  - Fluent in Siemens software, platform VE11C preferred.
  - Proficient in all Radiology applications: i.e., Citrix, Radnet, PowerChart, Radstar, Radboard, iLAB, and commonly used computer programs.

**During a public health emergency, individuals in this role may be expected to take on additional duties to respond to organizational needs.**

BCH offers competitive compensation and benefits

BCH is an Equal Opportunity / Affirmative Action Employer. Qualified applicants will receive consideration for employment without regard to their race, color, religion, national origin, sex, sexual orientation, gender identity, protected veteran status or disability