The next evolution of MRI is here!

Neuro42 is a Bay Area startup developing point-of-care MRI and robotics for diagnosis and interventions of neurological conditions. Our vision at neuro42 is to arm neurophysicians with the finest in visualization and guidance technologies to provide best-in-class treatment solutions for their patients.

Join our team as an MRI Scientist.

The MRI Scientist will be an individual with deep MR physics knowledge, motivated to develop this unique technology to help the neurological community impact patients’ lives.

Main Responsibilities:

- Drive the development of novel, clinically relevant MR techniques (pulse sequence, image reconstruction) on MR-guided robotics platform
- Develop and release prototypes of techniques in compliance with the highest source code quality
- Work closely with the lead systems engineer in identifying and implementing new MRI techniques for designing and developing the MRI system
- Collaborate in a team environment across multiple scientific and engineering disciplines, making rapid prototyping to help decisions on MR-guided robotics system
- Gather technical data through experiments, simulation and formal verification and generate technical reports to support a regulatory submission

Minimum Qualification:

- Ph.D. in Biomedical Engineering, Electrical Engineering, Medical Physics or a related field
- 2+ years of professional experience in MR imaging or related field
- Experience in developing MR pulse sequence, reconstruction algorithm, and post-processing
- Strong knowledge of MR physics and medical imaging concepts
- Experience in developing MR application in a clinical setting
- Hands-on experience in software design, implementation, and coding using Python and MATLAB
- Creative and resourceful
- Excellent writing and presentation skills

Desired Experience:

- Prior experience with design, development, and implementation of novel pulse sequences on low-field MRI scanners with emphasis on the neurological applications
- Demonstrated clear thinking and problem-solving abilities, a creative mindset, and the ability to quickly grasp new ideas.
- Excellent skills in implementing, evaluating, and establishing new imaging approaches in a clinical/research environment
- Familiarity with human neuroanatomy and biophysical properties of brain tissue and brain diseases
- Working knowledge of MRI system hardware (RF coils, gradient coils, magnet, spectrometer, etc.)
- Knowledge of Artificial Intelligence and Machine Learning
If you are a motivated individual, looking to join a highly enthusiastic team that values integrity, teamwork and diversity in thought, neuro42 is where you want to be. A competitive salary, premium medical benefits, and the opportunity to be working on the most innovative technology awaits you. Apply today with your resume and a cover letter via hello@neuro42.com