

Now Seeking Candidates for Postdoctoral Fellowships in MRI and MRS research

We have an opening for a Postdoctoral Fellow and other positions in Center for Advanced Metabolic Imaging at the University of Pennsylvania. The group takes a teamwork-oriented focus to accomplish next generation biomedical and metabolic imaging. The candidates will develop new computational and engineering technologies for discovery of biomedical and metabolic imaging traits in humans. We employ a highly translational and bench-to-bedside approach, rapidly iterating on discoveries, and patient-oriented research.



Job duties and responsibilities for postdoctoral Fellows for a Program in MRI/MRS

- The postdoctoral fellow will lead a project to develop new techniques for magnetic resonance imaging (MRI) and magnetic resonance imaging spectroscopy (MRS).
- Experience with programming magnetic resonance imaging pulse sequences or image reconstruction algorithms. Experience with Siemens IDEA or ICE is a plus.
- Write research articles and grants, prepare and organize data, graphics and presentations upon request.
- Communicate findings to research fellows and other stakeholders with diverse expertise and backgrounds.
- Employ conventional and innovative computational imaging methods.
- Proactively mentor other lab members as necessary including graduate students.
- plus. The applicant should be highly motivated, have excellent interpersonal and communication skills, and prioritize multiple tasks.

Education requirements for computational scientists

- M.Sc. or Ph.D. in machine learning, computer science, biomedical imaging, physics, bioengineering, computer science, electrical engineering, or mechanical engineering.
- Experience developing machine learning algorithms (state-of-the-art) convolutional neural networks and packages (e.g. TensorFlow)
- Experience with cloud compute and massively parallel or distributed computing.
- Experience with Linux, Python or R.
- Highly motivated, have excellent interpersonal and communication skills, and prioritize multiple tasks.

Applicants are requested to submit their resume, or CV, and a note outlining research interests, experience, and qualifications to Walter Witschey (witschey@pennmedicine.upenn.edu)

About the University of Pennsylvania. The University of Pennsylvania is a world-renowned leader in education, research and innovation. This historic, Ivy League school consistently ranks among the top 10 universities in the annual U.S. News and World Report Survey. Located in Philadelphia, Pennsylvania, it is home to a vibrant urban setting and close-knit community of academic researchers. Women and applications of underrepresented minorities are strongly encouraged to apply.

