



UNIVERSITY OF HAWAII/QUEEN'S MEDICAL CENTER MRI RESEARCH CENTER



MR Physics/Engineering Post-Doctoral Researcher

We have an opening for a post-doctoral researcher who is interested in developing new MRI physics methods including pulse sequences, image reconstructions, and applications. Minimum qualifications are a doctoral degree in Engineering, Physics, or equivalent from a college or university of recognized standing, ability to conduct independent work with minimal supervision, and knowledge of computer programming and advanced mathematics. Proficiency in Matlab, C++, Python, or equivalent programming languages; knowledge of linear algebra, signal processing, electromagnetic physics, and Fourier analysis; and demonstrated research experience are also required.

Desirable qualifications include MRI scanner pulse sequence programming experience preferably on the Siemens IDEA/ICE platform. Experience with EPI and non-Cartesian sampling and model based reconstruction methods are also desirable. Research directions are flexible including applications in the brain such as fMRI or DTI or motion robust body imaging including fat/water imaging and QSM as examples.

The successful candidate will have full access to our research dedicated newly upgraded Siemens 3T Prisma scanner, including 64-channel receiver, at the University of Hawaii/Queens Medical Center MRI Research Center. There will be numerous opportunities for collaborations and career growth. We are located in the heart of downtown Honolulu, which is one of the world's most beautiful cities, famous for its multi-cultural casual lifestyle, good weather, and outdoor activities.

Interested candidates may please email Professor Andrew Stenger at stenger@hawaii.edu for more information.

The University of Hawaii is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.