Yale University

Department of Radiology and Biomedical Imaging

Magnetic Resonance Research Center

SCHOOL OF MEDICINE

The Anlyan Center, North Building

300 Cedar Street

P.O. Box 208043

New Haven, CT 06520-8043

A postdoctoral research associate position is available at the Yale Magnetic Resonance Research Center in New Haven, CT in the Galiana Lab.

Description:

A range of projects are available spanning MRI physics, encoding, reconstruction, novel hardware, and patient imaging. These projects incorporate a diverse set of skills and training opportunities, including spectroscopy, spin simulations, clinical pulse sequence programming, new reconstruction approaches and patient imaging. There will also be interaction with a diverse set of clinicians, mathematicians and physicists. Furthermore, the Yale MRRC offers diverse faculty and courses for a productive and instructive postdoctoral tenure.

Requirements:

The ideal candidate will possess the following, though other candidates with a related background are also encouraged to apply:

- PhD with research focused on magnetic resonance
- Excellent proficiency in Matlab
- Command of pulse sequence programming in Siemens IDEA environment
- Interest in clinical imaging, molecular imaging, linear algebra, and machine learning methods are a plus

Facility:

The Yale MRRC (http://mrrc.yale.edu/index.aspx) is part of a $176 million dollar research and teaching facility at Yale. The imaging facilities include 33,000 square feet of laboratory and imaging space. This includes dedicated spaces for hardware development, wet lab preparations, animal studies, human subjects testing, and data analysis, and thus contains all the resources for integrated development of new MR techniques. Instruments at the facility include human imagers at 1.5, 3 and 7T, as well animal MRIs at a range of fields (4-12T).

Applicants should send a CV, application letter, and three references to gigi.galiana@yale.edu.