A postdoctoral position is available at the Yale Magnetic Resonance Research Center in New Haven, CT for a candidate interested in developing a novel molecular imaging method based on spin echoes. There are also opportunities in projects developing new methods for parallel imaging and image reconstruction.

**Description:**

This NIH funded project involves a diverse set of skills and training opportunities, including liquid NMR, spin simulations, clinical pulse sequence development/programming, machine learning and patient imaging. It will also involve 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. Research opportunities on other projects are also available.

**Requirements:**

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

- PhD in magnetic resonance, especially at an intersection of NMR and MRI
- Command of pulse sequence programming in Siemens IDEA environment
- Excellent proficiency in Matlab
- Background in biochemistry, lipid metabolism, or liver imaging
- 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](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.