A postdoctoral position is immediately available at the Yale Magnetic Resonance Research Center in New Haven, CT.

Description:
The successful candidate will develop and study imaging with nonlinear gradients. The Yale MRRC is a leader in this field and has one of the world’s most extensive collections of nonlinear gradients and related equipment. The current project is funded by NIH with collaboration from Siemens, and it will demonstrate clinical applications of these techniques.

Requirements:
The ideal candidate will possess the following, though other candidates with a strong math, physics or MRI background are also encouraged to apply:

- PhD in magnetic resonance, especially the physics and math of encoding/reconstruction
- Command of programming in Siemens IDEA environment
- Excellent proficiency in Matlab
- Experience in method development, especially pulse sequences programming
- Background in parallel imaging or non-Cartesian MRI would be advantageous, as would experience with novel MRI hardware

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.