Postdoctoral fellowship in diffusion MRI
PIs: Els Fieremans and Dmitry Novikov

Join a diverse team of scientists in New York City to help turn MRI into a precise, pathology-specific scientific instrument. You will contribute to rethinking the whole MRI pipeline: From image acquisition, reconstruction and artifact correction, to biophysical modeling of brain microstructure and model validation, to quantitative biomarkers.

The Candidate
You are a self-driven, creative, and interactive scientist strongly motivated to acquire new skills and to engage in interdisciplinary research. You have a strong background in MR physics, image acquisition and/or reconstruction. You have earned (or are about to earn) a PhD in a relevant area, such as physics, computer science, biomedical engineering or related fields with proven publication record.

The Institution
You will join a vibrant community of graduate students, postdoctoral fellows, engineers, basic scientists, and clinicians, in one of the most dynamic medical centers in the world, with ample opportunities to pursue your own research or contribute to other projects. The Center for Biomedical Imaging (CBI) at the Department of Radiology is home to about 130 basic researchers covering all areas of MRI, from RF coil design to parallel imaging to biophysical modeling of diffusion, perfusion and relaxation. We believe that the best science requires intense collaboration. At CBI, basic researchers and clinicians occupy the same building and interact frequently through labs, forums, lectures, coffee breaks and happy hours.

Our Facilities
We have access to human MRI systems ranging from low to high field, including 0.5T, 1.5T, 3T and 7T Siemens MRI scanners, as well as a 3T PET/MR system, in addition to micro-PET and 7T Bruker animal scanners. We are located in midtown Manhattan, at 660 First Avenue.

Fine Print
The postdoctoral position is for two years with a possibility of extending for a longer term, and depending on your interests and performance. Position comes with a $70,000 yearly salary and a generous benefits package.

To Apply
Email your cover letter, a statement of research interests, and a CV including a list of publications and contact information of three references (*all in PDF format*), to jobs@diffusion-mri.com.