# Research Fellow – Ultra-High-Speed fMRI

## *The University of New Mexico in Collaboration with MGH and NYU*

Applications are invited for a postdoctoral fellow position in the Human MR Imaging Research Laboratory at the University of New Mexico School of Medicine (http://neurology.unm.edu/research/mr-lab/index.html). The fellow will work in a multi-disciplinary research team to develop highly accelerated quantitative fMRI acquisition methods on a clinical 3 Tesla Siemens scanner. This project is in collaboration with the Martinos Center for Biomedical Imaging at MGH and the Center for Advanced Imaging Innovation and Research at NYU. A specific research application will be to validate this methodology in patients with brain tumors using resting state and task-based fMRI for presurgical mapping of eloquent cortex. National and international research collaborations provide excellent opportunities for a career in basic and clinical research. The initial appointment will be for 1 – 2 years with possibility for extension based on performance and the availability of funding.

Successful candidates will hold a PhD in MR physics, biomedical engineering, or related fields. This project requires a strong background in pulse sequence development and experience with parallel image reconstruction and compressed sensing. Experience with the Siemens Syngo platform (IDEA/ICE) is preferred. A demonstrable record of peer reviewed journal publications and strong expertise in C/C++ and Matlab are essential.

New Mexico provides outstanding opportunities for outdoor sports activities year around and a unique cultural experience (http://www.newmexico.gov/).

Please send your curriculum vitae, a letter describing your research interest, educational background, and qualifications, and 3 letters of recommendation to: sposse@unm.edu

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The University of New Mexico is an Equal Opportunity/Affirmative Action Employer and Educator. Qualified women and minorities are strongly encouraged to apply.