

Graduate Research Assistantship – Functional and Spectroscopic Magnetic Resonance Imaging Research in Human Brain and Breast

This is an exciting opportunity for graduate students in engineering, physics and computer science to participate in NIH funded research projects, including to (1) develop novel high-speed functional Magnetic Resonance Imaging methods for presurgical mapping in patients with brain tumors, (2) characterize mechanisms of high frequency signal fluctuations in functional Magnetic Resonance Imaging, and (3) monitor chemotherapy treatment response in breast tumors using high-speed Magnetic Resonance Spectroscopic Imaging.

The assistantship requires in depth experience with signal and image processing, MATLAB and/or C programming, as well as experience with Unix/Linux script programming. A background in MR image processing and MR physics or related fields is desirable. The laboratory offers a stimulating and challenging research environment, training in advanced biomedical imaging, the opportunity to collaborate with leading national and international research centers, and to present at international conferences.

Please send applications (including a CV, a statement of research interests, and letters from 3 referees) to: sposse@unm.edu

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