Postdoctoral Positions in TMS-EEG-MRI at University of California, Berkeley

Research Interest:

We are seeking motivated postdoctoral fellows to develop methodologies that will enable an integrated concurrent TMS-EEG-MRI system for noninvasive brain stimulation and recording. The position involves research in one or more of the following technical areas: fast MRI acquisition, image reconstruction, integration of concurrent EEG and/or TMS with MRI. The successful candidates will work with a team of experienced researchers with expertise in MRI, EEG and TMS in the Department of Electrical Engineering and Computer Sciences of UC Berkeley.

Qualifications:

1. A recent PhD in physics, engineering or related technical fields
2. Background in NMR/MRI physics
3. Experiences in pulse sequence programming and image reconstruction
4. Experiences in electric circuits if the interest is in hardware development
5. Experience in EEG or TMS is a plus but not required

Appointment Length:

The positions are available immediately. It will start initially for one year with the possibility of being extended based on performance.

About UC Berkeley

UC Berkeley has a vibrant MRI research environment with multiple MRI research labs. The university has a one 1T permanent magnet MRI scanner (Aspect), one 3T GE scanner, one 3T Siemens scanner and one 7T Siemens scanner with high-performance insert gradient and 128-channel RF coils.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.

To apply, please submit:

- Cover Letter
- Curriculum Vitae
- Contact information of 3 references (Letters of reference may be requested of finalists)

Contact: Prof. Chunlei Liu
Email: chunlei.liu@berkeley.edu