Post-doctoral positions are available immediately at University of California Berkeley, Brain Imaging Center. The research will be in neuroscience for the BRAIN Initiative and other NIH research projects in the areas of high-resolution functional imaging, pulse sequence development and RF coil development applied to neuroscience. The fMRI work will be to develop paradigms, sequences and data analysis techniques in fMRI for high-resolution studies at the level of cortical laminae and columns.

Candidates for fMRI positions are sought with a strong background in cognitive neuroscience, vision science, or cognitive/computer modeling. Experience in MRI physics, image reconstruction and programming skills (C++, Matlab) is also highly desirable.

The majority of work will be conducted on the 3T Siemens scanner at UC Berkeley and the 7T Siemens scanner in San Francisco, with collaboration with other high-field MR centers. The neuroscience research is for two BRAIN Initiative projects to utilize a new ultra-high resolution 7T brain scanner and to develop ultra-high resolution functional and anatomical brain studies at the mesoscale.

QUALIFICATIONS:

Required:

- Ph.D. in neuroscience, vision science, psychology, bioengineering, computer science MR engineering/physics, or related field
- Strong background in fMRI experimental design and analysis.
- A record of publication and/or conference proceedings
- Computer programming (C++, Matlab, Python)

Desired experience:

- fMRI processing software (SPM, FSL, Freesurfer, Caret)
- Stimulus delivery software (E-prime, Psychtoolbox)
- Multiple OS environments (Windows, Mac, Linux)
- As a subject in task fMRI (awake and still)

Interested individuals should e-mail their CV and cover letter to:

Prof. David A. Feinberg, Ph.D., M.D. (david.feinberg@berkeley.edu)
Helen Wills Neuroscience Institute, University of California, Berkeley
Advanced MRI Technologies