Postdoctoral Scholar - Computational Neuroscience and FMRI

POSITION OVERVIEW
Position title: Postdoctoral Scholar
Salary range: Salary will be commensurate with experience and based on UC Berkeley Postdoctoral Scholar salary scale.
Percent time: 100%
Anticipated start: February 17, 2022
Position duration: The initial appointment will be for one to two years

APPLICATION WINDOW
Open date: December 13th, 2021

POSITION DESCRIPTION
The Helen Wills Neuroscience Institute (HWNI) at the University of California, Berkeley, invites applications for a Postdoctoral Scholar position in the field of Computational Neuroscience and Functional Magnetic Resonance Imaging (FMRI). The position is funded by an NIH BRAIN (Brain Research through Advancing Innovative Neurotechnologies) award to develop and implement novel hardware and software solutions for high-resolution FMRI. The candidate will work with the team to develop and implement new methods for ultra-high spatial resolution (mesoscale) FMRI to probe brain circuitry at the level of columns and layers. Applications should be submitted via the UC Berkeley's online application process. A lab description can be accessed at: https://ofew.berkeley.edu/recruitment/contributions

QUALIFICATIONS
Basic qualifications (required at time of application)
- Ph.D. (or equivalent international degree) or enrolled in a Ph.D. (or equivalent international degree) program.

Additional qualifications (required at time of start)
- Ph.D. (or equivalent international degree) or equivalent by the appointment start date.

Preferred qualifications
- Accomplished experience in FMRI.
- Some experience with FMRI at 7T.
- Understanding of MRI physics and neuroscience research at 3T and higher field magnets.
- Advanced skills in FMRI experimental design and data analysis in any of the common languages (MATLAB, Python, shell scripting).
- Technically oriented.
- Highly motivated with a desire to pioneer new areas of human neuroscience, with applications in DWI and structural imaging as well as mesoscale circuit delineation with laminar and columnar resolution.
- Knowledgeable with MRI neuroimaging techniques.
- Involvement in research collection.
- Possess analytical and problem-solving skills.
- Proficient written and verbal English communication skills.
- Ability to write papers for publication and present work at scientific conferences.
- Ph.D. in Neuroscience or related discipline.
- Coursework and research experience in Computational Neuroscience, FMRI, Neuroscience.

APPLICATION REQUIREMENTS
Document requirements
- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter - Describing research experience and career goals.
- Statement on Contributions to Advancing Diversity, Equity, and Inclusion - Statement on your contributions to diversity, equity, and inclusion, including information about how you understand these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion if hired at Berkeley (for additional information go to https://diversity.assembly.berkeley.edu/campus/committees/diversity).

Reference requirements
3 required (contact information only)

Apply link: https://ofew.berkeley.edu/apply Jaguars
contact: david.feinberg@berkeley.edu

CAMPUS INFORMATION
Diversity, equity, inclusion, and belonging are core values at UC Berkeley. Our excellence can only be fully realized by faculty, students, and academic and non-academic staff who share our commitment to these values. Successful candidates for our academic positions will demonstrate evidence of a commitment to advancing equity, inclusion, and belonging.

The University of California, Berkeley 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/docs/40000376/NondiscrimAffirmAct

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality (http://app.berkeley.edu/ucb/confidentiality-policy) prior to submitting their letter.

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. https://policy.ucop.edu/docs/50006959/SARS-CoV-2_Covid-19. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exemption (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the applicable deadline is eight weeks after their first date of employment. (Capitalized terms in this paragraph are defined in the policy.)

JOB LOCATION
Berkeley, CA