

Search Plan - Pending approval

JPF04378 Postdoc Employee-The Building Blocks of Cognition Laboratory - Psychology

Contact: [Silvia Bunge](#)

General information

Accepts online applicants	Yes
AD Name	Postdoc Employee-The Building Blocks of Cognition Laboratory - Psychology
AD Job number	JPF04378
AD Department	Psychology
AD School	College of Letters & Science - Social Sciences
AD Apply page link	https://aprecruit.berkeley.edu/JPF04378

Dates

Submission process	Review windows
Academic year	2023 - 2024
AD Open date	Apr 1, 2024
AD Initial review date	Apr 15, 2024
AD Final date	May 31, 2024
Days open	60 days

Search tracking

Search breadth	Open search
Initial search allocation	Newly Allocated

Contact information

Address	2121 Berkeley Way Berkeley CA 94720
Faculty/Staff contact	"Silvia Bunge" < sbunge@berkeley.edu >
Public contact	"Silvia Bunge" < sbunge@berkeley.edu >
Help contact	"Help" < dreamartinez@berkeley.edu >
AD Lab	http://bungelab.berkeley.edu

Position details

AD Job location	Berkeley, CA
AD Salary range	The UC postdoc salary scales set the minimum pay determined by experience level at appointment. See the following table for the current salary scale for this position: https://www.ucop.edu/academic-personnel-programs/_files/2023-24/oct-2023-acad-salary-scales/t23.pdf . The current minimum salary range for this position is \$64,480-\$66,868. Salaries above the minimum may be offered when necessary to meet competitive conditions.
AD Anticipated start	July 1, 2024
AD Review timeline	Applications will be reviewed starting April 15, 2024
AD Position duration	2 year appointment, with a possibility of renewal
AD Percent time	100%
Rank/Step	Postdoctoral Employee

Title information

Title code	003252: POSTDOC-EMPLOYEE
Senate level	Non-Senate
Availability cohort	Other Academic Positions

Diversity

Groups for diversity outreach	African American, Women, Individuals with a Disability, Protected Veteran							
Data source	2016 – 2020 IPEDS Campus data; 2022 Health Sciences data							
Availability								
Field of study	Male	Female	African American	Hispanic	Asian	Native American	Minority Total*	White
Campus: Neuroscience	47.6%	52.4%	3.3%	8.6%	11.5%	0.3%	26.8%	67.0%
Campus: Experimental Psychology	38.8%	61.2%	3.6%	10.7%	7.2%	0.4%	24.6%	71.6%
Campus: Neuroanatomy	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average [†]	45.6%	54.4%	3.4%	9.1%	10.5%	0.3%	26.3%	68.1%

*The availability percentage for Minority Total includes multiple-race/ethnicity responses. The overall total may also contain additional small groups that do not have their own categories. [†]The average takes into account the number of individuals in each field of study, so a field of study with many individuals will have a bigger impact on the overall average than a field of study with fewer individuals.

Description

AD Position description

The Department of Psychology at the University of California Berkeley invites applications for a Postdoctoral Scholar Employee, specifically in the area of cognitive neuroscience.

The Building Blocks of Cognition Laboratory at the University of California at Berkeley, headed by Professor Silvia Bunge, studies the cognitive and neural processes that support reasoning, memory, and goal-directed behavior in humans. To investigate these phenomena, the lab leverages behavioral, brain imaging, and eyetracking methods.

Postdoctoral employee will work on a National Institute of Mental Health project titled "Narrowing the mechanistic gap for anterior prefrontal cortex function". This project targets the lateral aspect of anterior PFC, a brain region whose anatomy in humans is not clearly defined and whose fundamental role in cognition is poorly understood. At a descriptive level, aLPFC is involved in higher-level cognitive abilities such as planning, multi-tasking, reasoning, memory retrieval monitoring, and decision-making. Seeking to investigate its function at a more granular level via fMRI, structural MRI, and diffusion-weighted imaging on the 3 Tesla and 7 Tesla scanners at the Brain Imaging Center at UC Berkeley. Close collaborators on the project include Associate Professor Kevin Weiner (functional neuroanatomist) and Adjunct Professor David Feinberg (MR physicist) at UC Berkeley.

Specific duties include:

- Assist with finalizing study design and task presentation code, oversee piloting and data collection, and set up behavioral and fMRI preprocessing and analysis pipelines.
- Take the lead on writing and revising manuscripts, and present results locally and at conferences.
- Provide mentorship to the graduate student researcher and full-time research assistant, as well as other lab members.
- Expertise in structural and functional MRI data collection and analysis

AD About campus

UC Berkeley is committed to diversity, equity, inclusion, and belonging. The excellence of the institution requires an environment in which the diverse community of faculty, students, and staff are welcome and included. Successful candidates will demonstrate knowledge and skill related to ensuring equity and inclusion in the activities of their academic position (e.g., teaching, research, and service, as applicable).

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/doc/4000376/NondiscrimAffirmAct>

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and California 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 prior to submitting their letter.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

Requirements

AD References

Reference type	Contact information only 3 required; 3 optional (6 total)
Reference process explanation	None
Reference visibility	Visible to all reviewers

AD Documents

Analysts can create redacted versions of any document

Document process explanation	Optional None
Curriculum Vitae Your most recently updated C.V.	Required
Cover Letter	Required

Qualifications

AD Basic qualifications (required at time of application)	PHD or equivalent international degree or enrolled in a PHD program or equivalent international degree program at the time of application
AD Additional qualifications (required at time of start)	<ul style="list-style-type: none"> • A Ph.D. or equivalent international degree in Neuroscience or Psychology • Established publication record in human cognitive neuroscience • Experience with fMRI data collection and up-to-date analysis methods • Coding experience (ideally Python) • Ability to carry out a variety of statistical analyses (ideally in Python, R) • Ability to write up results for publication in a timely manner • Strong initiative and organizational and interpersonal skills
AD Preferred qualifications	<ul style="list-style-type: none"> • Experience with open science data practices (e.g., preregistration on OSF; sharing code to Github, etc.) • Experience with layer fMRI is a bonus

Search & recruitment efforts

Planned search & recruitment efforts	In addition to campus job postings, the PI will e-mail colleagues nationally asking them to post the position and encouraging underrepresented groups to apply. The PI will mention the posting to campus colleagues and ask them to spread the word to the qualified candidates to encourage them to apply for the position.
Actual search & recruitment efforts	The principal investigator will circulate the job posting by emailing the ad to their colleagues within and outside of UC Berkeley.

Advertisements

HERC category	Category: Social/Behavioral Sciences, Division: Academic/Faculty
Ad sources	Academic Keys America's Job Exchange (AJE) CalJobs DisABLED Person E-mail Listserv HigherEdJobs.com InsideHigherEd.com NorCal HERC Professional Journal / Bulletin (printed publication) Professional Organization (Web site job posting) Professional Organization Conference UCB website Word-of-mouth / Colleague

Selection process

Selection criteria	The PI will evaluate candidates based on the qualifications mentioned in the recruitment ad as well as the potential for scholarly impact and research productivity.
Selection plan	The PI will screen the application and will interview at least 2-3 qualified candidates.

Progressive disclosure

Full visibility	<input type="checkbox"/> Applications are not veiled; committee can see all material
Items to hide	<input checked="" type="radio"/> All material is visible

Search committee

Core Committee	
Committee Chair	"Silvia A Bunge" < sbunge@berkeley.edu >
Editor (Faculty)	None
Reviewer	"Kevin S Weiner" < kweiner@berkeley.edu >
Additional access	
Additional Chair	None
Additional Editor (Staff)	None
Additional Reviewer	None

Search plan documents

Search plan documents	Comment
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No search plan documents have been uploaded

Ad documents

Ad documents	Comment
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No ad documents have been uploaded

Disposition reasons

For applicants marked as meets basic qualifications	
Custom reasons	No custom reasons
Suppressed reasons	No suppressed reasons
For applicants marked as does not meet basic qualifications	
Custom reasons	No custom reasons
Suppressed reasons	No suppressed reasons

To see the full list of disposition reasons, see the [recruitment's disposition reasons page](#)

Legend

AD This information shows on the recruitment's public advertisement

This search plan was created using the template modified on Aug 29, 2023 at 10:47am