Search Plan - Pending approval

**JPF04378** Postdoc Employee-The Building Blocks of Cognition Laboratory - Psychology
Contact: **Silvia Bunge**

### General information

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

### Dates

- **Review windows**
- **Academic year**: 2023 - 2024
- **Open date**: Apr 1, 2024
- **Initial review date**: Apr 15, 2024
- **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>
- **Lab**: http://bungelab.berkeley.edu
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.

Applications will be reviewed starting April 15, 2024.

<table>
<thead>
<tr>
<th>Field of study</th>
<th>Male</th>
<th>Female</th>
<th>African American</th>
<th>Hispanic</th>
<th>Asian</th>
<th>Native American</th>
<th>Minority Total*</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus: Neuroscience</td>
<td>47.6%</td>
<td>52.4%</td>
<td>3.3%</td>
<td>8.6%</td>
<td>11.5%</td>
<td>0.3%</td>
<td>26.8%</td>
<td>67.0%</td>
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<tr>
<td>Campus: Experimental Psychology</td>
<td>38.8%</td>
<td>61.2%</td>
<td>3.6%</td>
<td>10.7%</td>
<td>7.2%</td>
<td>0.4%</td>
<td>24.6%</td>
<td>71.6%</td>
</tr>
<tr>
<td>Campus: Neuroanatomy</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Average†</td>
<td>45.6%</td>
<td>54.4%</td>
<td>3.4%</td>
<td>9.1%</td>
<td>10.5%</td>
<td>0.3%</td>
<td>26.3%</td>
<td>68.1%</td>
</tr>
</tbody>
</table>

*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.
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, multitasking, 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

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

References

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

Documents

- Document process explanation: Optional
- Curriculum Vitae: Required
- Cover Letter: Required

Qualifications

- 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
- Additional qualifications (required at time of start)
  - 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
- Preferred qualifications
  - 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.
### Selection process

<table>
<thead>
<tr>
<th>Selection criteria</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection plan</td>
<td>The PI will screen the application and will interview at least 2-3 qualified candidates.</td>
</tr>
</tbody>
</table>

### Progressive disclosure

<table>
<thead>
<tr>
<th>Full visibility</th>
<th>Applications are not veiled; committee can see all material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Items to hide</td>
<td>All material is visible</td>
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</tbody>
</table>

### Search committee

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

### Search plan documents

<table>
<thead>
<tr>
<th>Search plan documents</th>
<th>Comment</th>
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</thead>
<tbody>
<tr>
<td>No search plan documents have been uploaded</td>
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### Ad documents

<table>
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<tr>
<th>Ad documents</th>
<th>Comment</th>
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<tbody>
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Generated Mar 14, 2024 at 9:21am
### Disposition reasons

<table>
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<th>For applicants marked as meets basic qualifications</th>
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<tbody>
<tr>
<td>Custom reasons</td>
<td>No custom reasons</td>
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<tr>
<td>Suppressed reasons</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>For applicants marked as does not meet basic qualifications</th>
<th></th>
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</thead>
<tbody>
<tr>
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<td>No custom reasons</td>
</tr>
<tr>
<td>Suppressed reasons</td>
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To see the full list of disposition reasons, see the [recruitment's disposition reasons page](#).

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**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.