

Assistant/Associate Project Scientist - Department of  
Linguistics  
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=241773>

Downloaded On: Jul. 26, 2024 10:27am

Posted Jul. 23, 2024, set to expire Aug. 19, 2024

<b>Job Title</b>	Assistant/Associate Project Scientist - Department of Linguistics
<b>Department</b>	
<b>Institution</b>	University of California Berkeley Berkeley, California
<b>Date Posted</b>	Jul. 23, 2024
<b>Application Deadline</b>	08/19/2024
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Research Scientist/Associate
<b>Academic Field(s)</b>	Linguistics
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**Job Description**

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**Assistant/Associate Project Scientist - Department of Linguistics**

**Position overview**

**Salary range:** The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table(s) for the current salary scale(s) for this position:

[https://www.ucop.edu/academic-personnel-programs/\\_files/2024-25/july-2024-scales/t37-b.pdf](https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t37-b.pdf). The current base salary range for this position is \$ \$74,100 - \$111,400. "Off-scale" salaries, which yield compensation that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions.

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**Percent time:** 100%

**Anticipated start:** August 2024

**Application Window**

**Open date:** July 18, 2024

**Next review date:** Thursday, Aug 1, 2024 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

**Final date:** Monday, Aug 19, 2024 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

**Position description**

The Department of Linguistics at Berkeley supports a broad view of language and diverse approaches to its analysis. Faculty and students investigate many different areas of language structure and use, engaging with linguistic theories through methods that include computational modeling, corpus linguistics, experimental procedures, fieldwork, and formal analysis.

An Assistant/Associate Project Scientist position is available in the Berkeley Speech and Computation Lab to work with Dr. Gaper Begu on a project to build all-purpose tools for decoding the communication system of sperm whales. The lab focuses on creating realistic models of human language learning using deep neural networks. The project, funded by CETI, will entail creating deep neural network models and transferring them to whale communication data with the purpose of better understanding how whales communicate. The candidate will also be expected to perform acoustic and statistical analysis of whale audio and visual data.

**Position Duties:**

Building, analyzing, developing, evaluating, comparing, and improving deep learning models

Analyzing acoustic data, conducting signal processing and inferential statistic methods on audio data

Managing, curating, and analyzing multimodal data (visual, audio)

**Department:** <https://lx.berkeley.edu/home>

**Qualifications**

**Basic qualifications** (required at time of application)

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Possesses a PhD degree or equivalent international degree

**Preferred qualifications**

PhD in linguistics, cognitive science, psychology, CS, marine biology, or related field

Experience with acoustics and signal processing, information theory, deep learning, machine learning, and inferential statistics

Experience with machine learning tools and packages (TensorFlow, PyTorch) and programming languages Python, R

Strong analytical and team work skills

**Application Requirements**

**Document requirements**

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter (Optional)

**Reference requirements**

- 3 required (contact information only)

**Apply link:** <https://aprecruit.berkeley.edu/JPF04494>

**Help contact:** [begus@berkeley.edu](mailto:begus@berkeley.edu)

**About UC Berkeley**

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.

Please refer to the [University of California's Affirmative Action Policy](#) and the [University of California's Anti-Discrimination Policy](#)



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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.

**Job location**

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF04494>

jeid-de60667dfcd7594ca35fab17ab7ad0e0

**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**



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N/A

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