Assistant Project Scientist - Mosquito-borne disease modeling - School of Public Health
University of California Berkeley

Job Title	Assistant Project Scientist - Mosquito-borne disease modeling - School of Public Health
Department	
Institution	University of California Berkeley Berkeley, California
Date Posted	Apr. 23, 2024
Application Deadline	05/22/2024
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Public Health/Management/Administration Public Health/Biostatistics/Epidemiology
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Job Description	

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Position overview Position title: Assistant Project Scientist
Salary range: The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table for the current salary scale for this position: https://www.ucop.edu/academic-personnel-programs/_files/2023-24/july-2023-acad-salary-scales/t37-b.pdf. The current base salary range for this position is $71,500 - $91,000. Off-scale salaries, which

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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.

Percent time: 100%

Anticipated start: July 1, 2024

Position duration: The initial appointment is for two years with the possibility of extension based on satisfactory performance and availability of funding.

Application Window
Open date: April 22, 2024

Most recent review date: Monday, May 6, 2024 at 11:59pm (Pacific Time)
Applications received after this date will be reviewed by the search committee if the position has not yet been filled.

Final date: Wednesday, May 22, 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 Marshall Lab at UC Berkeley is seeking to hire an Assistant Project Scientist to work on mathematical and computational aspects of several projects to control mosquitoes and the diseases they transmit. Our work in this area spans collaborations with molecular biologists, ecologists, and epidemiologists. We develop mathematical models and software to fit models to data generated in the lab and predict how gene-edited mosquitoes could be expected to perform in the wild. As the technology develops, considerations regarding ecological modeling, field trial design, and implications for disease transmission are becoming increasingly relevant.

We are seeking a project scientist with particular strengths in mathematical modeling of infectious diseases and scientific programming, and interests in mosquito-borne diseases, gene-editing technology, and/or public health interventions.

Responsibilities:
The successful candidate will contribute to the development of mathematical models and software to describe the application of genetic control tools to mosquito vectors of malaria, as well as of dengue,

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chikungunya, and Zika viruses. These models and software will be used to address research questions related to our current funded projects with the Bill & Melinda Gates Foundation, the National Institutes of Health, the Akbari Lab at UCSD, and the UC Malaria Initiative. The researcher will have access to a wide network of genetic control, mosquito, and malaria researchers spanning UC San Diego, UC Irvine, UC San Francisco, QIMR Berghofer Medical Research Institute (Australia), National Environment Agency (Singapore), Ifakara Health Institute (Tanzania) and Imperial College London (UK). They will be expected to work with postdocs and graduate students in our group, to lead and co-author research publications, and to assist with grant applications.

Lab: https://www.marshalllab.com/

Qualifications
Basic qualifications (required at time of application)

- Ph.D. or equivalent international degree

Preferred qualifications

- Ph.D. or equivalent international degree in applied mathematics, computer science, computational biology, epidemiology, or related field.
- Three years or more of post-degree research experience.
- Scientific programming experience.
- Experience working with lab, and/or field biologists.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated CV, including a list of publications.
- Cover Letter - A short cover letter describing your research interests and motivations for joining the Marshall Lab at UC Berkeley.
- Publications - Two most significant publications or manuscripts to date.

  Publication 1 of 2

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(Optional)
- Publications - Publication 2 of 2
  (Optional)

Reference requirements

- 3 required (contact information only)

Contact information for three references is required however, letters of reference are not required at this time. We will seek your permission before contacting your references. All letters will be treated as confidential per University of California policy and California state law.
Apply link: https://aprecruit.berkeley.edu/JPF04399

Help contact: kleviege@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.

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.

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Direct Link: https://www.AcademicKeys.com/r?job=235101
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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 94720

To apply, visit https://aprecruit.berkeley.edu/JPF04399

Contact Information

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

Contact

N/A
University of California Berkeley

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