

How Bd transmission in freshwater amphibians' is affected by drought



The Johnson Laboratory (<http://www.johnsonlaboratory.com>) is accepting a qualified undergraduate NSF REU applicant for our field crew in the Bay Area of California beginning in May 9 and concluding in early August 2022.

Proposed Project:

This project aims to understand how Bd transmission in wild populations of hosts is affected by drought. Students interested in this position will be stationed out in the Bay Area of California where our research into amphibian disease ecology has been focused for over 20 years. They will be stationed at the UC Reserve Blue Oaks Ranch, which provides housing, laboratory facilities, and a vibrant academic atmosphere. Students will work as part of our amphibian field team in throughout the summer in which they will use field and lab techniques (dip nets, seines, visual surveys, pathogen swabbing, snail dissection, data entry) to monitor and assess amphibian populations. The student will also gain valuable statistical analysis skills as they will use previously collected data from California's mega drought (2020-2021) to gain an understanding to how Bd transmission is affected by drought. The student will work up a report for the funder and hopefully then submit the work for publication.

If grant is funded, the selected student will be provided a \$6,000 summer stipend spread across the three months of work. Housing, supplies for research project, and travel are included as well. Please not selected student must be able to start in CA on or before May 9th, 2022.

TO APPLY:

*The Johnson laboratory has made it our mission to sincerely commit to promoting diversity!
This search is open to all student candidates (that will not graduate prior to December 2022)
from any race, color, religion, ethnic, gender, gender identity or expression, sexual
orientation, disability, age, or veteran status especially those from underrepresented groups in
science.*

To apply, email Dana Calhoun with subject line “REU Bd” and attach one file that includes a cover letter, resume or CV, names & contact information of 3 references, and 1-2 paragraphs on how you can contribute to diversity and inclusion in our laboratory. Review of applicants will begin on **Feb 1st, 2022** please apply before this date for full consideration.