

Postdoctoral Research Scholar in Microbiology and Earth and Planetary Sciences School of Earth and Space Exploration (SESE) Arizona State University

Applications are invited for a postdoctoral research scholar to work in collaboration with the Trembath-Reichert lab in extreme environment microbiology (<https://sites.google.com/asu.edu/modlab/>).

The Trembath-Reichert lab uses cutting edge techniques to tease out signals of life in the most extreme environments on Earth to better understand limits to life and the microbial role in global biogeochemical cycles. Our laboratory offers a highly interdisciplinary, welcoming, and inclusive environment with the opportunity to collaborate with other labs at ASU and beyond. On-going projects are focused on studying life at the polyextremes of temperature, pressure, salinity, low water activity, and low nutrient availability. Specific opportunities are available to extend previous work on marine hydrothermal or Antarctic ecosystems. Opportunities to develop new projects and lead proposals along the theme of extreme environment microbiology are also available.

Essential functions of the position: The successful applicant will design and conduct original research at the intersection of microbiology and Earth and planetary sciences, document results, write journal articles, present at scientific meetings, mentor undergraduate and graduate students, and contribute to proposal writing. Laboratory and computational work are expected as a part of this position. Field work opportunities may also be available depending on timing and candidate interest.

Minimum qualifications include (1) Ph.D. in target research field(s) (environmental microbiology, geomicrobiology, astrobiology, marine microbiology, or closely related field) by the start date; (2) demonstrated record of research accomplishment in target research field(s); and (3) candidate is within five years from receipt of the doctoral degree.

Desired qualifications include (1) technical experience in laboratory, computational, and field methods, (2) record of prior achievement and experience that shows the applicant's potential to accomplish research and career objectives, (3) evidence of strong verbal and written communication skills, and (4) evidence of ability to work well independently, as a team member, and as a mentor.

The initial appointment is for one year with subsequent annual renewal for up to two additional years contingent upon satisfactory performance, the needs of the university, and availability of resources. The anticipated start date is August 15, 2022 (negotiable within Fall 2022 semester). This position comes with a competitive salary, relocation expenses, and full health insurance coverage.

ASU is one of the most dynamic and innovative institutions of higher learning in the U.S. SESE is an interdisciplinary department, bringing together all of Earth and space science at ASU, including astrobiology, astrophysics, cosmology, planetary science, and geology. Read more about SESE at <https://sese.asu.edu/>. SESE has access to a wide range of scientific instrumentation, including NanoSIMS instruments (<https://sese.asu.edu/research/instrument-laboratories>). The Trembath-Reichert lab also collaborates with researchers in the School of Life Science (SOLS) and the School of Molecular Sciences (SMS).

To apply, please submit to <http://apply.interfolio.com/104667> to include the following:

- A cover letter
- A curriculum vitae with a publication list
- A statement of past research accomplishments and future research goals (three pages or less)
- A statement addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence (one page)
- Contact information for three references

Deadline for initial review of complete applications will be April 22, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is closed.

Postdoctoral benefits can be found at: <https://cfo.asu.edu/new-employee-orientation>

The College of Liberal Arts and Sciences (<https://thecollege.asu.edu/faculty>) at ASU values cultural and intellectual diversity, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the College diversity of the academic community.

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and 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, protected veteran status, or any other basis protected by law.

(See <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>

You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

COVID-19 Vaccination - Arizona State University is a federal contractor and subject to federal regulations which may require you to produce a record of a COVID-19 vaccination. For questions about medical or religious accommodations, please [visit the Office of Diversity, Equity and Inclusion's webpage](#).