

## Postdoctoral Research Scholar: Morphometrics and phylogeography of sceloporus lizards

### Location

Tempe Campus

### Full/Part Time

Full-time

### Regular/Temporary

Regular fiscal appointment

### Position type

This is a grant-funded position. Continuation is contingent on future grant funding. This position is expected to run for two consecutive years. The second-year renewal is contingent upon satisfactory progress and contribution to the collective program.

### Hiring range

\$56,484 - \$60,000 annually, benefits-eligible.

The College of Liberal Arts & Sciences values our cultural and intellectual diversity and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the diversity of the academic community.

### Job description

We are seeking a postdoctoral researcher to join a vibrant team of international researchers investigating the impacts of closely related species on phenotypic evolution through a combination of skeletal analyses, fieldwork, and phylogeographic modeling, all focused on Spiny lizards (genus *Sceloporus*) (See the NSF grant abstract here: [https://nsf.gov/awardsearch/showAward?AWD\\_ID=2154898](https://nsf.gov/awardsearch/showAward?AWD_ID=2154898)). The postdoc will join the Martins Lab at Arizona State University (ASU) and work on a collaborative project with Dr. Michelle Lawing (Texas A&M University), Dr. Julio Rivera (Henry M. Jackson Foundation for the Advancement of Military Medicine), and Dr. Jaime Zúñiga-Vega (Universidad Nacional Autónoma de México). Anticipated to start August 2023.

### Essential duties

1. Conduct geometric morphometric analyses of lizard skeletons, including training and supervising a team of student researchers in scoring 3-dimensional CT images.
2. Participate in month-long field expeditions and ecological surveys in Mexico and the southwestern US and contribute to species occurrence modeling to identify critical habitats for lizard species.
3. Contribute to phylogenetic comparative reconstructions of species assemblages through time and space.
4. Collaborate with project leadership team to guide research directions and coordinate efforts.
5. Coordinate and direct outreach activities associated with project research.
6. Write scientific papers associated with the research.
7. Travel to meetings to present results.

8. Be an active member in research group activities (e.g., participate in lab meetings, mentor students).

### **Minimum qualifications**

1. Successful candidates must have at the time of appointment an earned doctorate in a relevant field such as evolutionary biology, ecology, or the equivalent terminal degree in their field.
2. Must have strong computational skills.
3. Must have the capacity to work effectively in interdisciplinary teams.
4. A strong record of scholarly achievement.
5. Excellent communication skills.
6. Demonstrated commitment to working with diverse students, faculty, staff, and community.

### **Desired qualifications**

1. A demonstrated commitment to supporting an enhancing diversity, equity, and inclusion
2. Special emphasis will be placed on candidates who explain how their research would both benefit from and advance research that integrates across levels and disciplines of evolutionary ecology.
3. Experience in geometric morphometrics, phylogenetic comparative analyses, and international fieldwork, and who prioritize inclusion while mentoring student researchers and developing innovative outreach efforts.

### **Department and project information**

The School of Life Sciences (SOLS) has provided a vital hub for creative excellence at Arizona State University, with more than 670 faculty, graduate students, postdoctoral fellows and staff, and research that ranges from studies on biodiesel and biohydrogen to vaccine development and the conservation of whales. As ASU's first academic unit to fully reflect President Michael Crow's integrated, interdisciplinary vision for the New American University, the School of Life Sciences offers active and evolving platforms for collaborative, cutting-edge research and faculty whose discovery is freed from traditional institutional boundaries.

Arizona State University is a dynamic, progressive university dedicated to interdisciplinary collaborations, to rethinking university education, and to integrating excellence in research and teaching. The university has been ranked #1 for innovation by the US News & World Report for the past five years. ASU's School of Life Sciences is committed to curricular innovation in traditional and digital learning environments.

### **Instructions to apply**

To review and apply for this position, please visit <http://apply.interfolio.com/122609>. Applicants must submit:

1. Cover letter describing research interests and career goals. Applicants should summarize experience and explain how it prepares them for the position.
2. Curriculum vitae or resume.
3. Contact information (name, email and phone) for three professional references.
4. A Diversity Statement addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence.

### **Application close date**

The deadline will be April 27, 2023 at 3:00 p.m. AZ time.

All application materials due by April 27, 2023 (must be at minimum 14 days after close date); 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 filled.

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.

<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."