



**Postdoctoral Research Scholar for the RISE (Research for Inclusive STEM Education) Center at the School of Life Sciences (SOLS), Arizona State University.**

**Location:** Tempe Campus

**Full/Part Time:** Full-time

**Regular/Temporary:** Regular fiscal appointment

**Position type:** This is a grant-funded position. The possibility of renewal for up to one additional year, dependent on available funding, performance, and the needs of the University.

**Hiring range:** \$47,500 to \$56,982 annually, benefits-eligible.

**Positions to be filled:** 3

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:** The Research for Inclusive STEM Education (RISE) Center at Arizona State University seeks applicants for 3 postdoctoral research scholars in inclusive science education. These postdoctoral scholars will join a vibrant community of science education research scholars at Arizona State University as part of the Research for Inclusive STEM Education (RISE) Center. The postdoctoral scholars will be supervised directly by Dr. Sara Brownell or Dr. Katelyn Cooper. There are multiple opportunities for professional development and opportunities for the postdoctoral scholar to develop their own interests and projects in science education research. Starting of position is flexible but August 1, 2023 is desired. Specific details about the positions and preferences are below.

Women and people who have been underrepresented in science are encouraged to apply. For more information about the Research for Inclusive STEM Education Center visit: <https://risecenter.asu.edu/>, the Brownell Biology Education Research lab, visit: <http://sebbbers.wixsite.com/biology-ed-lab> and the Cooper Biology Education Research lab visit: <https://katelyncooper1.wixsite.com/bioedlab>

**Position #1:** The postdoctoral scholar will join a National Science Foundation-funded project, led by Dr. Katelyn Cooper, using mixed methods to explore the relationship between aspects of research and depression among undergraduate and graduate students in biology. Specifically, this work will explore what moderates this relationship and what students perceive can be done to improve their experiences in research, given their depression. Preference for this position will be given to applicants with the following characteristics: strong skills carrying out statistical analyses in R, including mixed effects modeling, ability to work with large datasets, and prior experience with survey development.

**Position #2:** The postdoctoral scholar will join a National Science Foundation project, led by Drs. Sara Brownell and Katelyn Cooper, focused on the experiences and decisions of LGBTQ+ science instructors

as to whether they reveal or conceal their identities to students in their classrooms. We are specifically interested in how revealing one's LGBTQ+ identity can impact the instructor and the students in the class, including both LGBTQ+ and non-LGBTQ+ students. Projects can be qualitative, quantitative, or mixed methods. Preference for this position will be given to applicants with either strong statistical/quantitative skills or strong qualitative skills.

**Position #3:** The postdoctoral scholar will join a team funded by a HHMI Inclusive Excellence grant, led by Dr. Sara Brownell, to explore inequities in the experiences of undergraduate science students in fully online science degree programs and identify ways in which to improve inclusion in these learning spaces. Specifically, we are interested in how relationships and connections between students and instructors can be facilitated and augmented in online courses. Projects can be qualitative, quantitative, or mixed methods. Preference for this position will be given to applicants with either strong statistical/quantitative skills or strong qualitative skills.

#### **Essential duties**

1. Conduct biology research, including designing projects, collecting data, analyzing data, and writing up results.

#### **Minimum qualifications**

1. Successful candidates must have earned doctoral degree, or the equivalent terminal degree in a science discipline, science education, educational psychology, or a closely related field at the time of appointment
2. A research record in undergraduate/graduate science education, psychology, or a related field
3. Demonstrated interest in conducting research on science education projects with a focus on diversity, equity, and inclusion

#### **Desired qualifications**

1. A demonstrated commitment to supporting and enhancing diversity, equity, and inclusion
2. Strong record of education research
3. Strong communication skills
4. Ability to collaborate well as part of a team, and a willingness to be open to feedback
5. Experience working in a team environment
6. Has strong quantitative and qualitative research skills

#### **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/122173>. Applicants must submit:

1. Cover letter and research interests. Applicants should describe experience and suitability for the position. Unlike a standard cover letter, this proposal should highlight the strengths of the applicant's experience towards developing and implementing proposed research. Applicants are encouraged to discuss relevant research questions, approaches, scientific significance, and significance to action-oriented research
2. Curriculum vitae or resume
3. Contact information (name, email and phone) for three professional references
4. A brief description of past research accomplishments
5. A statement of which projects are interested in, why interested in this specific project, and what skills or expertise they have for it
6. A Diversity Statement

### **Application close date**

The deadline will be April 18 at 3:00 p.m. AZ time.

All application materials due by April 18; 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."