

Postdoctoral Research Scholar, Arizona State University, Psychology Department

The Department of Psychology at Arizona State University invites applications for three Postdoctoral Research Scholar positions in the Science of Learning and Educational Technologies (SoLET) Laboratory directed by Danielle McNamara. The postdoctoral research scholars will be working with collaborative teams on federally funded projects to design and develop educational technologies designed to improve reading and writing, explore factors influencing students' performance in comprehension and writing, and conduct large-scale data mining and experimental studies on digital learning platforms. The candidates will be involved in studies with elementary, high school, and college students, including teachers and schools across multiple sites. Ideal candidates are interested in working in an active, highly collaborative research lab, particularly one focusing on learning sciences, learning engineering, and educational technologies.

There are three positions available with the following desired expertise (or combinations thereof):

1. **Design:** Several current projects involve the design, development, and testing of educational technologies, games, and user interfaces. This involves the development of new modules and games within existing tutoring systems and the design of new systems and interfaces currently under development. The ideal candidate will have experience with UX/UI design including needs analysis, wireframing, prototyping, iterative design research, and human factors, with strong interests and experience in educational technologies.
2. **Educational Research:** Several current projects involve conducting experimental studies in educational settings, which requires expertise in working with teachers and students, analyzing data, and interpreting experimental findings. This candidate will focus on implementing and testing educational technologies related to literacy in various educational settings (e.g., classrooms, online). Ideal candidates will have interests in literacy (e.g., reading, discourse comprehension, writing), experience with educational technology implementation, educational research design, usability and feasibility testing, and advanced quantitative analytic skills.
3. **Large-Scale Research:** Several current projects involve the implementation of large-scale research on digital learning platforms (e.g., ASU Online) to better understand learning, predict learning outcomes, and enhance learning at scale. Ideal candidates will have expertise in conducting and analyzing experimental studies, A/B/n experimental design, database management, R, Python, advanced statistical methodologies, and learning analytics (e.g., machine learning). One focus of the studies involves investigations of factors related to comprehension and/or writing, and thus an understanding of learning analytic features related to language or natural language processing will be prioritized.

The positions are full-time, fiscal-year (12 months), benefits-eligible appointments with no tenure implications, and no teaching responsibilities. Anticipated start date is July 1, 2022.

Candidates must have earned a Ph.D. in a field of study related to the desired expertise (e.g., learning science, cognitive science, instructional systems design, human factors, human-centered design, human computer interaction, educational psychology, data analytics, computer science) within the past five years.

To apply, please submit the following as pdf(s) through Interfolio at <http://apply.interfolio.com/105253> (1) cover letter, (2) a curriculum vitae, (3) statement of research interests, (4) two representative publications, (5) a statement addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence, and (6) three letters of recommendation to be uploaded by your recommenders to Interfolio directly. Email and paper applications will not be accepted.

Inquiries concerning the search should be addressed to the Chair of the Search Committee: Dr. Danielle S. McNamara (dsmcnama@asu.edu). Please mention that you are applying for the SoLET Lab position. Please specify for which position(s) you are most qualified (i.e., design, educational research, large-scale research). For information on current lab projects, visit: <https://soletlab.asu.edu/>.

Initial deadline for receipt of complete applications is **May 5, 2022**. If not filled, review of complete applications will continue every week thereafter until the search is closed.

Salary range is \$53,760 to \$60,780 depending on number of years previous experience since obtaining doctoral degree.

Arizona State University is located in the Phoenix/Scottsdale metropolitan area and offers all of the amenities of a large urban/winter resort area. Learn more about the Department of Psychology by viewing <https://psychology.asu.edu/> and about what The College of Liberal Arts and Sciences has to offer by viewing <https://thecollege.asu.edu/faculty>.

The College 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.

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 be considered without regard to race, color, sex, religion, 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.](#)