The Science and Mathematics Faculty in the College of Integrated Sciences and Arts on the Polytechnic campus at Arizona State University invites applications for a Postdoctoral Research Assistant. Invasive wild pigs (Sus scrofa) are a growing threat to ecological communities and agricultural resources throughout the United States. Since 2015, we have maintained two local study areas in California and Florida to evaluate wild pig populations using grids of motion-activated cameras and GPS collared animals. In addition, we are working with national-scale data sets comprised of removal and effort information that dates back to 2005. Working across these two scales, we are seeking a highly motivated individual to evaluate (1) trends in wild pig populations through time, (2) impacts of wild pigs to ecological communities and agriculture, and (3) patterns of habitat selection, inter- and intra-specific interactions, and population abundance. To evaluate questions at the local study area, we envision that methods will include multi-season and multi-state occupancy models, mark-resight models, spatially explicit mark-resight models, and mixed-effects resource selection functions. At the broad national scale, we are currently implementing hierarchical Bayesian models and Integrated Population Modeling, which we aim to expand upon in 2017 and 2018. The postdoctoral student will work at Arizona State University in Mesa and interact with a diverse group of collaborators within the USDA, University of Florida, and Colorado State University. Project support is available for at least one year, with the high potential for a second year of support, depending on federal funding. This position is an excellent opportunity to join a team of diverse agencies and stakeholders, produce research results that will be applied to on-the-ground management, and publish novel research findings.

This is a full-time (1.0 FTE), benefits-eligible, fiscal, year-to-year appointment. Candidate must reside in Arizona, or be willing to relocate. Renewal is possible on an annual basis for up to two years. For additional information and policies regarding postdoctoral scholars at ASU, please see https://provost.asu.edu/academic-personnel/postdoc

Required Qualifications:
- Ph.D. in a theoretically relevant field of study (e.g. Ecology, Wildlife Biology, Biology, Natural Resources) by the start of the appointment
- Strong background in quantitative methods, with large data sets
- Excellent written and verbal communication skills

Desired Qualifications:
- Experience in working well in a team environment and maintaining a productive working environment
- Proficient in conducting analysis, occupancy and population estimation methods along with space use and habitat selection methods.

Application Procedure:
To apply, visit https://cisa.asu.edu/jobs and upload your application as one combined .pdf document under job number 12038. Only electronic submissions will be reviewed. Incomplete applications will not be considered. Applications must contain:
1. Cover letter of interest.
2. Curriculum vitae
3. Information for three professional references (their position, title, e-mail, phone number)

The application deadline is 8/11/2017 at 5pm; and if not filled, then every Friday thereafter until the search is closed. Official Transcripts required prior to first day of employment. A background check is required prior to employment. For technical assistance please email cisajobs@asu.edu, for position related questions contact Search Committee Chair Dr. Jesse Lewis at islewi10@asu.edu.

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 ASU’s complete non-discrimination statement at https://asu.edu/aad/manuals/aca/ocd401.html; see ASU’s Title IX policy at https://www.asu.edu/titleix/)

ASU offers applicants an opportunity to voluntarily self-disclose information for the University affirmative action plan; applicants may complete an EEO survey for the position they are applying for online. Information you will need to complete the survey: Job Number: 12038 Job Title: Postdoctoral Research Associate; Department Name: College of Integrative Sciences and Arts.

General Information: Arizona State University is a comprehensive public research university named #1 in the United States for innovation for the second consecutive year, followed by #2 Stanford and #3 MIT. We measure our success not by whom we exclude, but rather by whom we include and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities we serve. ASU’s College of Integrative Sciences and Arts is home to innovative teachers who are guided by educational access, student success, applied learning, and interdisciplinary
inquiry. We understand there are many paths to achieving a university education, and we build undergraduate and graduate degree programs and pathways that are flexible and relevant for a rapidly changing world. To learn more about ASU and the College of Integrative Sciences and Arts go to: http://about.asu.edu/ and http://cisa.asu.edu.