



JOB#12582
Arizona State University
School of Life Sciences
Biodesign Center for Mechanisms of Evolution

Assistant / Associate / Full Professor

The School of Life Sciences (SOLS) and the Biodesign Center for Mechanisms of Evolution (CME) at Arizona State University (ASU) invite applications for a full time, tenure-track, open rank faculty position with an anticipated start date of August 15, 2019. This is the second of six anticipated new Center faculty positions, focused on the mechanistic processes underlying evolutionary change. The CME occupies a floor in a new building in the Biodesign Institute, which itself supports a diversity of other interdisciplinary centers and is well-equipped with state-of-the-art facilities. The CME is part of a growing community of evolutionary biologists at ASU (Link: [ASU Evolutionary Biology Faculty](#) and [ASU Population Genetics Consortium](#))

The research focus of the Center is expected to be primarily at the cellular level, with the group being populated by scientists from the areas of cell biology, microbiology, biophysics, biochemistry, and population genetics. The successful candidate will join a dynamic faculty working to advance innovative research and excellence in teaching through its work in the diverse and growing undergraduate and graduate student population at ASU. We invite you to learn more about the School of Life Sciences, the Biodesign Institute, and Arizona State University by visiting <https://sols.asu.edu>, <https://biodesign.asu.edu> and <https://newamericanuniversity.asu.edu/>, respectively. Candidates can anticipate competitive salary and start-up packages.

Successful candidates will be expected to develop an innovative, extramurally-funded, independent research program; fulfill teaching requirements at both the undergraduate and graduate levels, including mentoring undergraduate and graduate students, and postdoctoral trainees; and have a commitment to outreach and service at levels within and outside the University community. Interaction and collaboration with faculty of SOLS and with other groups in the Biodesign Institute, the School of Molecular Sciences, and the recently announced Mayo Clinic and ASU Alliance for Health Care partnership is encouraged.

Minimum Qualifications: A doctoral degree or MD/PhD in the biological sciences or a related field, and one or more years of relevant postdoctoral experience at the time of appointment; demonstrated research and teaching/mentoring excellence; a significant commitment to evolutionary biology and to integrating theory with empirical work; a

demonstrated record of significant publications; and potential to develop a strong research program on the mechanisms of evolution.

Desired Qualifications: Strong interest and training in understanding the mechanisms of evolution at the cellular and/or population-genetic levels; research areas that complement expertise of existing faculty and will expand our overall research and instructional capabilities. Examples of desired research foci include: the molecular mechanisms of evolution in experimental microbial populations; the evolution of protein structure and function; the evolution of bioenergetic and growth properties of cellular and subcellular features; the mechanisms underlying cell biological scaling laws; the evolution of intracellular communication systems such as transcription and signal transduction; and the development of high-throughput / nanotechnological approaches for addressing these issues. We are fully open to candidates whose research has strong applied implications. Demonstrated ability to work with diverse student populations and/or reaching out to diverse communities is desirable.

To apply, please submit the following materials in a single PDF document to solsfacultysearch3@asu.edu: (1) Cover letter that includes contact information (including email addresses) for three references who may be contacted at a later stage of consideration, (2) a comprehensive curriculum vitae that includes a complete publication record, (3) three representative publications, (4) a statement of research vision and plans, (5) a statement of teaching philosophy/experience. All applications must be sent electronically. Specific scientific inquiries can be addressed to Michael Lynch, Director of the CME (mlynch11@asu.edu).

Initial deadline for review of complete applications is November 21, 2018 ; if not filled, review will continue every week thereafter until the search is closed. A background check is required for employment. For more information about hiring standards at Arizona State, please visit: <https://www.asu.edu/titleIX> or <https://cfo.asu.edu/titleIX>

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. ASU's full nondiscrimination statement (ACD 401) is located on the ASU website at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX>

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 School of Life Sciences 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.