Assistant / Associate Professor – Quantum Molecular Science – Job # 125443
Arizona State University, School of Molecular Sciences

The School of Molecular Sciences (SMS) at Arizona State University invites applications for a full-time faculty position in the area of quantum molecular science. The position is an academic year, benefits-eligible, tenure-track/tenured appointment. The anticipated start date is August, 2024. The areas of interest for this search include but are not limited to optically addressable quantum systems, quantum molecular systems and photonics, synthesis of molecular and nanoscale materials, quantum measurement and control, quantum enabled sensing with applications to biological systems. Applications will be considered at the Assistant Professor and Associate Professor level.

ASU and The College of Liberal Arts and Sciences value our cultural and intellectual diversity and continually strive to foster a welcoming and inclusive environment. We are especially interested in applicants who can help us further the commitment in its charter, which reads in part that “the institution will be measured not by whom it excludes, but by whom it includes and how they succeed.”

The successful candidate is expected to advance both the scientific and technical goals of the SMS initiative in quantum molecular and nanoscale sciences and bring expertise in quantum research applied to chemical and biological systems. In addition, the candidate is expected to build a vibrant research group, develop a vigorous externally-funded research program at ASU with significant national and international recognition, teach and mentor effectively at the undergraduate and graduate levels, and participate in professional and university service. The candidate should expect to contribute to collaborative research proposals and publications.

Minimum Qualifications:

- Doctorate in a field of science or engineering relevant to chemistry, biochemistry, environmental chemistry, biophysics, biology and engineering of molecules and materials by time of appointment.

- Potential to establish a vibrant, externally-funded research program with national and international impact.

- Demonstrated dedication to teaching and mentoring.

- Proficient record of research accomplishments commensurate with rank.

- Demonstrates commitment to working with faculty, staff, students, and communities to advance the principles of the ASU Charter.

Desired Qualifications:

- Expertise in the areas of chemistry, materials, biochemistry, and/or biophysics.

- Documents interest in research in quantum molecular systems that leverage the interface of experiments and theory.

- Demonstrates collaborative experience in interdisciplinary research.

- Demonstrates strong record of research accomplishment commensurate with career stage.
To apply, visit: http://apply.interfolio.com/133702

Materials that you will be required to submit are:

1. **Cover letter** (single space, 1-2 pages).
2. **Curriculum Vitae**: Comprehensive curriculum vitae that includes a complete record of publications, patents, and other meaningful demonstrations of impact in the field.
3. **Research Vision and Plan**: Concise technical description (single space, max 5 pages, excluding references)
4. **Teaching Statement**: Statement of teaching philosophy and interests (1-2 pages)
5. **References**: Contact information for three references that may be requested at a later stage of the application and interview process.

The initial deadline for review of complete applications is **November 6, 2023**. If not filled, applications will continue to be reviewed weekly thereafter until the search is closed.

The School of Molecular Sciences at Arizona State University is an organization of more than 70 faculty members, 30 staff, and 2000 graduate and undergraduate students who work at the forefront of science, technology innovation, and education. It influences and impacts broad university-wide initiatives in fundamental science, health, sustainability, energy, food-water-climate, security, materials, manufacturing, space exploration, and other endeavors of advanced technology.

Arizona State University is a research-intensive university with outstanding research facilities and infrastructure support. Recently ranked #1 as the nation’s most innovative school, the university’s location within the large and fast-growing Phoenix region provides a rich context for applied research and community engagement around topics of molecular science. It is home to the Biodesign Institute ([https://biodesign.asu.edu/](https://biodesign.asu.edu/)) and the Global Institute of Sustainability ([https://sustainability.asu.edu/](https://sustainability.asu.edu/)), both of which have strong representation from SMS faculty. Diversity is a key component of excellence at ASU, and the School of Molecular Sciences supports the value of diversity among faculty, staff, and students. We invite you to learn more about the School of Molecular Sciences and Arizona State University by visiting [https://sms.asu.edu](https://sms.asu.edu) and [https://newamericanuniversity.asu.edu/](https://newamericanuniversity.asu.edu/). Learn more about what The College of Liberal Arts and Sciences has to offer by viewing [https://thecollege.asu.edu/faculty](https://thecollege.asu.edu/faculty).

**Equal Employment Opportunity Statement**

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 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.

(See [https://www.asu.edu/aad/manuals/acd/acd401.html](https://www.asu.edu/aad/manuals/acd/acd401.html) and [https://www.asu.edu/titleIX/](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](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.