

Associate/Assistant Professor – Materials Chemistry/Thermochemistry Job #14020
Arizona State University
School of Molecular Sciences, Center for Materials of the Universe

The School of Molecular Sciences (SMS), Center for Materials of the Universe, at Arizona State University, invites applications for a full-time faculty position as Associate or Assistant Professor with an anticipated start date of August 2020. This is an academic year, benefits-eligible, tenure or tenure-track eligible position.

Job Description: The successful candidate is expected to 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 will be responsible for the development of an experimental thermochemistry laboratory, with emphasis in high temperature calorimetry and explore other techniques that study materials systems relevant to earth and planetary science, space exploration, aerospace technology, and materials discovery.

This position will add strength to the newly established Center for Materials of the Universe. Interdisciplinary work is expected, and candidate will engage in both experimental and theoretical collaborations within a variety of schools (i.e. Molecular Sciences, Earth and Space Exploration, Physics, and Engineering). Candidate will engage in research proposals and publications, as well as undergraduate and graduate course teaching that link earth and planetary science with chemistry, physics, and materials science.

Minimum Qualifications:

- Doctorate in a field of science or engineering relevant to chemistry, biochemistry, physics, biology, earth and planetary science, or engineering of materials by the time of appointment.
- Demonstrated potential to establish a vigorous, externally-funded research program with national and international impact
- A strong record of research accomplishments and evidence of a successful postdoctoral experience.
- A commitment to excellence in teaching and mentoring

Desired Qualifications:

- Expertise and research experience in experimental thermodynamics including calorimetry
- A strong interest in interdisciplinary research
- Post-doctoral experience
- A strong potential for success in serving the needs of diverse student populations and/or reaching out to diverse communities

To apply, visit: <http://apply.interfolio.com/67675>

Materials that you will be required to submit are:

- (1) Cover letter
- (2) Comprehensive curriculum vitae that includes a complete record of publications, patents and other meaningful demonstrations of impact in the field
- (3) Concise outline of future research
- (4) A statement addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence
- (5) Contact information for three references that may be requested at a later stage of the application and interview process.

Initial deadline for review of complete applications is **October 13, 2019**. If not filled, applications will continue to be reviewed weekly thereafter until the search is closed.

The School of Molecular Sciences (formerly the Department of Chemistry and Biochemistry) at Arizona State University is an organization of more than 55 faculty members, 100 staff, and 1400 graduate and undergraduate students who work at the forefront of science and 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.

The School of Molecular Sciences has a strong relationship with the School of Earth and Space Exploration. For more information about SESE, please visit <https://sese.asu.edu/>. For more information on The Center for Materials of the Universe, please visit <https://materials.asu.edu/materials-universe>.

ASU is located on four campuses and two research parks within the Phoenix metropolitan area and is one of the largest universities in the U.S. The School is located on the Tempe campus. ASU is ranked within the top 100 research universities in the world, consistently being recognized as the most innovative university in the country. It is home to the Biodesign Institute (<https://biodesign.asu.edu/>) and the Global Institute of Sustainability (<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.

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 issues of molecular sciences. We invite you to learn more about the School of Molecular Sciences and Arizona State University by visiting <https://sms.asu.edu> and <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>.

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.

ASU 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. Women and minorities are encouraged to apply. Further information on ASU's policies can be found at <https://www.asu.edu/aad/manuals/acd/acd401.html> and its complete non-discrimination statement at <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.