Requisition ID: 22731
Assistant Professor Positions in "Advanced Materials" in Purdue University's College of Science

The Departments of Chemistry, Physics and Astronomy, Biological Sciences, and Earth, Atmospheric, and Planetary Sciences in the College of Science at Purdue University invite applicants for multiple faculty positions at the rank of Assistant Professor, with departmental appointment(s) to align with candidate's expertise and interests. Successful candidates hired at all faculty levels as part of this College-wide cluster search will help form the core of a new interdisciplinary Center for Advanced Materials, along with an already established dynamic group of Purdue College of Science faculty across all departments. Center faculty will create an interdisciplinary, globally competitive research presence in the design of new materials in which atomic and molecular-scale understanding and control of structure leads to transformative new capabilities at larger scales.

Applications are welcomed from researchers in all areas with relevance to Advanced Materials, including but not limited to: soft material synthesis or assembly, including polymeric and biomaterials such as protein and lipid materials, and cell-instructive materials; nanostructured materials including nanoparticles, light absorbing or emitting materials, superconductors, metamaterials; geologic or planetary materials, mineralogy, space materials, environmental materials, materials to address climate change or sustainability; high-throughput or automated materials synthesis, computational design of materials, quantum materials, and materials for advanced computational devices.

Experimental, computational, observational, and theoretical scientists are encouraged to apply. Applicants that work across multiple disciplines or work to develop interdisciplinary collaborations are especially encouraged to apply.

The Departments, the College of Science and Purdue University: The Departments of Chemistry, Physics and Astronomy, Biological Sciences, and Earth, Atmospheric, and Planetary Sciences are four Departments within the College of Science, which comprises the computing, physical, and life sciences at Purdue. The College of Science is the second-largest college at Purdue, with 353 faculty and more than 6000 students. With multiple commitments of significant investment and strong alignment with Purdue leadership, the College is committed to supporting existing strengths and enhancing the scope and impact of the Department of Chemistry. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see https://www.purdue.edu/purduemoves/initiatives/stem/index.php.

***Qualifications*:** Applicants should have a PhD or similar doctoral level degree in the sciences or related disciplines with outstanding credentials in research, an excellent track record of or potential for leading publications and a strong commitment to excellence in teaching. Successful candidates are expected to develop a vibrant research program supported by extramural funding, display excellence in teaching at the graduate and undergraduate levels, and participate in departmental, college, and university service.

Application Procedure: Applicants should submit an application electronically at https://careers.purdue.edu/job-invite/22371/ that includes: **(1)** a cover letter, **(2)** a complete curriculum vitae, **(3)** a description of proposed research (4-5 pages; this will be used to evaluate applicants' potential to develop a robust independent research program), and **(4)** a teaching statement (1-2 pages; this will be used to evaluate applicants' potential for effectively contributing to the departments' and College of Science teaching mission.

Purdue University, the College of Science, and the Departments of Chemistry, Physics and Astronomy, Biological Sciences, and Earth, Atmospheric, and Planetary Sciences are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values diversity and inclusion. Purdue University, the College of Science, and the Departments of Chemistry, Physics and Astronomy, Biological Sciences, and Earth, Atmospheric, and Planetary Sciences are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom.

Additionally, applicants should arrange for three letters of reference to be e-mailed to the Search Chair at assistantmaterials@purdue.edu, specifically indicating the position for which the applicant is applying. Applications will be held in strict confidence and will be reviewed beginning November 1, 2022. Applications will remain in consideration until the position is filled. A background check will be required for employment in this position.

Purdue University is an EOE/Affirmative Action employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.