

Assistant Professor/Associate Professor/Full Professor

Johns Hopkins University: Whiting School of Engineering: Department of Materials Science and Engineering

The Johns Hopkins University's Department of Materials Science and Engineering invites applications for tenured or tenure-track faculty positions at all ranks (Assistant Professor, Associate Professor, or Full Professor) in the areas of computational materials science (including data science and artificial intelligence) and big data to advance materials synthesis, processing, and characterization.

We seek candidates whose research focuses on modeling, machine learning/AI, or big data characterization of all material classes, including biomaterials and electronic materials. Research topics, both foundational and applied, at the intersection of machine learning, data science, and materials science, among other research areas, are of interest to this call.

Candidates will be encouraged to collaborate with existing university-wide initiatives. Opportunities for interactions across the university include the Data Science and AI Institute, the Materials Characterization and Processing facility, the Hopkins Extreme Materials Institute, the Institute for NanoBioTechnology, Ralph O'Connor Sustainable Energy Institute (ROSEI), the Mathematical Institute for Data Science, and JHU's Applied Physics Laboratory. Johns Hopkins University has committed to a transformative investment in its Data Science and AI Institute, including the addition of 80 new tenure-track faculty positions, 30 Bloomberg Distinguished Professorships, and the construction of a 500,000-square-foot state-of-the-art facility on the Homewood campus.

The expected salary range is Assistant Professors \$150k-\$200k, Associate Professors \$180k-\$245k, Full Professors \$200k-\$450k, for 12-month FTE. The referenced salary range is based on Johns Hopkins University's good faith belief at the time of posting. The actual compensation offered to the selected candidate may vary and will be based on factors including, but not limited to, the experience and qualifications of the selected candidate - e.g., years in rank, training, field, discipline, other work experience, and other similar factors; geographic location; internal equity; external market conditions; and other factors as reasonably determined by the University.

Diversity, equity and inclusion are integral values of the university. Accordingly, the department seeks candidates who can contribute to racial equity, diversity, and inclusion through service, mentorship, teaching, and scholarship.

Applications will be reviewed starting January 15, 2025 and will be accepted until the position is filled.

Qualifications

Applicants must hold an earned doctorate in an appropriate field by the time their appointment begins. Candidates must have demonstrated an ability to conduct outstanding independent research and show promise for excellent teaching, mentoring and entrepreneurship in all areas.

Application Instructions

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Review of applications will begin in mid-January 2025.

Equal Employment Opportunity Statement

Salary Range

The referenced salary range represents the minimum and maximum salaries for this position and is based on Johns Hopkins University's good faith belief at the time of posting. Not all candidates will be eligible for the upper end of the salary range. The actual compensation offered to the selected candidate may vary and will ultimately depend on multiple factors, which may include the successful candidate's geographic location, skills, work experience, internal equity, market conditions, education/training and other factors, as reasonably determined by the University.

Total Rewards

Johns Hopkins offers a total rewards package that supports our employees' health, life, career and retirement. More information can be found here: <https://hr.jhu.edu/benefits-worklife/>.

Equal Opportunity Employer

The Johns Hopkins University is committed to equal opportunity for its faculty, staff, and students. To that end, the university does not discriminate on the basis of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status or other legally protected characteristic. The university is committed to providing qualified individuals access to all academic and employment programs, benefits and activities on the basis of demonstrated ability, performance and merit without regard to personal factors that are irrelevant to the program involved.

Pre-Employment Information

If you are interested in applying for employment with The Johns Hopkins University and require special assistance or accommodation during any part of the pre-employment process, please contact the HR Business Services Office at jhurecruitment@jhu.edu. For TTY users, call via Maryland Relay or dial 711. For more information about workplace accommodations or accessibility at Johns Hopkins University, please visit accessibility.jhu.edu.

Background Checks

The successful candidate(s) for this position will be subject to a pre-employment background check including education verification.

EEO is the Law:

https://www.eeoc.gov/sites/default/files/2023-06/22_088_EEOC_KnowYourRights6.12ScreenRdr.pdf

Diversity and Inclusion

The Johns Hopkins University values diversity, equity and inclusion and advances these through our key strategic framework, the JHU Roadmap on Diversity and Inclusion.

Vaccine Requirements

Johns Hopkins University strongly encourages, but no longer requires, at least one dose of the COVID-19 vaccine. The COVID-19 vaccine does not apply to positions located in the State of Florida. We still require all faculty, staff, and students to receive the seasonal flu vaccine. Exceptions to the COVID and flu vaccine requirements may be provided to individuals for religious beliefs or medical reasons. Requests for an exception must be submitted to the JHU vaccination registry. This change does not apply to the School of Medicine (SOM). SOM hires must be fully vaccinated with an FDA COVID-19 vaccination and provide proof of vaccination status. For additional information, applicants for SOM positions should visit <https://www.hopkinsmedicine.org/coronavirus/covid-19-vaccine/> and all other JHU applicants should visit <https://covidinfo.jhu.edu/health-safety/covid-vaccination-information/>.

The following additional vaccine requirements may apply, depending upon your campus. Please contact the hiring department for more information.

The pre-employment physical for positions in clinical areas, laboratories, working with research subjects, or involving community contact requires documentation of immune status against Rubella (German measles), Rubeola (Measles), Mumps, Varicella (chickenpox), Hepatitis B and documentation of having received the Tdap (Tetanus, diphtheria, pertussis) vaccination. This may include documentation of having two (2) MMR vaccines; two (2) Varicella vaccines; or antibody status to these diseases from laboratory testing. Blood tests for immunities to these diseases are ordinarily included in the pre-employment physical exam except for those employees who provide results of blood tests or immunization documentation from their own health care providers. Any vaccinations required for these diseases will be given at no cost in our Occupational Health office.