Assistant/Associate Professor in Data Science in Life Sciences

The College of Science at Purdue University invites applications for multiple tenured/tenure-track faculty positions in Data Science applications in the Life Sciences at the Assistant or Associate Professor level beginning September 1, 2020. Assistant Professor candidates with exceptional qualifications may be considered for an early career endowed professorship.

Life Sciences at Purdue University

To foster collaborations across academic units and emphasize interdisciplinary we expect that most faculty hired through this search will have interdepartmental joint appointments (College of Science Departments hosting research related to the Life Sciences include: Biological Sciences, Chemistry, Computer Science, Mathematics, and Statistics). We are seeking exceptional candidates with interdisciplinary interests in a wide range of topics that complement existing areas of strength within Purdue across the Life Sciences and Data Science. Areas of interest include but are not limited to the following:

- Systems Biology
- Genomics and Population Genomics
- Structural Biology
- Macrosystems Ecology
- Biochemistry
- Bioinformatics and Computational Biology

University and the College of Science

Purdue is home to world-class faculty spread across multiple colleges, engaged in fundamental and applied research in Data Science and the Life Sciences. Research in the Life Sciences at Purdue University runs across a vibrant community of 48 Centers and Institutes offering world-class facilities, research cores and interdisciplinary graduate programs and supported by major recent investments through the President Moves Program. The Purdue College of Science hosts top faculty, graduate and undergraduate students who excel at a national and international level as well as unique research facilities, and a culture of collegiality and excellence. The advertised positions come at a time of new leadership with multiple commitments of significant investment comprising the mathematical, physical and life sciences. They align with the campus-wide key strategic priorities of the Purdue Integrative Data Science Initiative as well as the Life Sciences Purdue Moves Program. Our vision is to be at the forefront of advancing Data Science-enabled research and education by tightly coupling theory, discovery, and applications while providing students with an integrated, Data Science-fluent campus ecosystem. Over the past five years alone, Purdue has attracted over 100 new tenure-track faculty with expertise in data science fundamentals and applications. At the same time Life Science research at Purdue is expanding rapidly supported by six Institutes including Purdue Institute for Integrative Neuroscience, Purdue Center for Cancer Research, Regenstrief Center for Healthcare Engineering, Purdue Institute for Drug Discovery, Purdue Institute of Inflammation, Immunology and Infectious Disease and the Purdue Institute for Plant Science.

The Purdue Dual Career Assistance Program provides dual career assistance and relocation services for prospective faculty.

Application Process

We are seeking candidates who combine an outstanding record of research excellence with a commitment to
effective and engaged teaching. Candidates must have a Ph.D. (or its equivalent) in a related field. Successful candidates are expected to develop a vibrant research program supported by extramural funding, teach undergraduate and/or graduate courses to a diverse student body, and supervise graduate students. Senior faculty will also mentor junior faculty and participate in the governance of their department, the College of Science, and Purdue University.

Applicants should submit a cover letter, a curriculum vitae, a teaching statement, and a description of proposed research electronically at


Additionally, applicants should arrange for three letters of reference to be e-mailed to the search committee at ds-lifesciences@purdue.edu specifically indicating the position for which the applicant is applying. Applications will be held in strict confidence and will be reviewed beginning December 15, 2019. Applications will remain in consideration until positions are filled. Inquiries can be sent to ds-lifesciences@purdue.edu.

Purdue University’s College of Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

Community
Greater Lafayette Indiana is home to Purdue University and its 40,000 students from around the globe and one of the fastest growing communities in the nation. West Lafayette is a vibrant, rapidly expanding college town, conveniently located between Chicago and Indianapolis. Rolls-Royce, GE Aviation, Schweitzer Engineering Laboratories, Wabash National, Saab Global Defense and Security Company, Subaru of Indiana Automotive, Caterpillar, Corteva Agriscience, high tech firms and small businesses all call Greater Lafayette their home. The West Lafayette public school district ranks consistently among the top in the country. Visit Lafayette-West Lafayette and Greater Lafayette Commerce are resources that highlight our great community.

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