

## Faculty Position in Computational Drug Discovery

The Department of Medicinal Chemistry and Molecular Pharmacology at Purdue University <https://www.mcmp.purdue.edu/> invites applications for a tenure-track/tenured faculty position at the assistant or associate professor levels. The department seeks candidates whose primary research effort uses and/or develops computational methods to address important scientific problems in drug design, drug action, or disease biology. Candidates that blend wet and dry experimental approaches are also encouraged to apply. Examples of approaches that fit this faculty position include but are not limited to in silico screening and structure-based design, biophysics, chemoinformatics, multiscale modeling, data science and artificial intelligence approaches for drug discovery. The ideal candidate will contribute a research portfolio that is complementary to the research scope in the department and the current campus community as well as advance College of Pharmacy strategic goals in the areas of precision medicine and biotechnology, broadly defined.

The Department of Medicinal Chemistry and Molecular Pharmacology offers a unique multidisciplinary environment with synergistic strengths in medicinal chemistry, biochemistry, disease biology, pharmacology, structural biology, computation and drug discovery. The department is housed within the Purdue College of Pharmacy offering breadth of research activities in pharmaceutical sciences and pharmacy practice <https://www.pharmacy.purdue.edu/research>. Purdue University has notable strengths and resources in analytical methods, nanotechnology, structural biology, and computation through the Bindley Bioscience and Birck Nanotechnology Centers in Discovery Park ([www.purdue.edu/discoverypark/](http://www.purdue.edu/discoverypark/)), the Markey Center for Structural Biology (<https://www.bio.purdue.edu/structural/index.html>), and the Rosen Center for Advanced Computing ([www.rcac.purdue.edu/](http://www.rcac.purdue.edu/)). The Integrated Data Science Initiative is an ongoing effort that offers additional network and research resources <https://www.purdue.edu/data-science/index.php>.

Additional significant resources are available through the Purdue Center for Cancer Research ([www.cancerresearch.purdue.edu/](http://www.cancerresearch.purdue.edu/)) and the Purdue Institute for Drug Discovery (<https://www.purdue.edu/discoverypark/drug-discovery/>), which in conjunction with the Indiana Clinical and Translational Sciences Institute provides a seamless path for drug development. In addition, interdisciplinary research in areas of human diseases are also supported by Purdue Institute for Integrative Neuroscience (<https://www.purdue.edu/discoverypark/institute-for-integrative-neuroscience/>) and the Purdue Institute for Inflammation, Immunology, and Infectious Diseases (<https://www.purdue.edu/discoverypark/pi4d/>).

Graduate Student recruiting opportunities through the Department of Medicinal Chemistry and Molecular Pharmacology, Purdue University Interdisciplinary Life Sciences Program (PULSe) [www.gradschool.purdue.edu/PULSe/](http://www.gradschool.purdue.edu/PULSe/) and the Computational Interdisciplinary Graduate Program <https://www.purdue.edu/gradschool/cigp/index.html> offer an exceptional environment for building a productive research career.

Candidates must have a Ph.D. degree or equivalent in Chemistry, Biophysics, Computer Science or a relevant scientific discipline and relevant post-doctoral experience. In addition to

maintaining/establishing a strong extramurally-funded research program, the successful candidate will participate in teaching undergraduate, graduate, pharmacy, and/or medical education programs.

Applications should be submitted electronically to

<https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=15213&company=purdueuniv>

as a single PDF file containing a cover letter, curriculum vitae, contact information for three references, a three-page summary of ongoing and planned research, and a one-page teaching statement. Purdue University's MCMP department is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. As such candidates should address at least one of these areas in a separate Diversity and Inclusion Statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. Direct inquiries to Jo Davisson, Chair, Computational Drug Discovery Search Committee at [davisson@purdue.edu](mailto:davisson@purdue.edu). For technical assistance, please email [careers@purdue.edu](mailto:careers@purdue.edu). Review of applications will begin October 1st, 2021 and will continue until the position is filled. Applications will be held in confidence until the interview phase of the process, and the applicants' permission to contact references prior to that time will be obtained. A background check will be required for employment in this position.

FSLA Status: Exempt

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