

Faculty Positions in Structural Biology
Markey Center for Structural Biology
Department of Biological Sciences
Purdue University

The Department of Biological Sciences, Purdue University, is initiating a major effort to expand its investment in Structural Biology and invites applicants at all academic professorial levels to fill multiple new tenure-track faculty positions in this accelerating area. The Structural Biology Group at Purdue is recognized worldwide for its leadership in structural biology of viruses, membrane proteins, and technical approaches to crystallographic and electron microscopy challenges. Creative investigators in a variety of research approaches, X-ray crystallography, NMR spectroscopy and electron microscopy, are sought to enhance these current structural investigations. Potential areas of research interest include but are not limited to studies of viruses and other pathogens, membrane proteins, cancer biology, target molecules for structure-based drug discovery and development of new technologies in structural biology. This position is aligned with major campus-wide investments in the life sciences including the Center for Drug Discovery (<https://www.purdue.edu/research/pcdd/>), the Center for Integrative Neurosciences and the Institute for Inflammation, Immunology and Infectious Disease (<https://www.purdue.edu/research/life-sciences/>).

Applicants for senior positions in Structural Biology must have a Ph.D. or equivalent in an appropriate discipline and currently hold a position equivalent to an Associate or Full Professor. Structural biologists with a clear cancer focus in their research will also be considered by the Purdue Center for Cancer Research as a Walther Cancer Professor (<https://www.cancerresearch.purdue.edu>). Applicants at the junior rank in Structural Biology must have a Ph.D. or equivalent in an appropriate discipline and at least 2 years of postdoctoral experience. There is particular interest in researchers trained in single particle cryo-electron microscopy or whole cell electron tomography.

Successful applicants for these positions are expected to direct a dynamic and collaborative research program in structural biology to address fundamental questions in the area of human disease, to excel at teaching at the undergraduate and/or graduate level and participate in ongoing programs at Purdue.

Extensive opportunities for collaboration exist within the Department, which has over 50 faculty members conducting research in neurobiology, virology, microbiology, molecular and cell biology, bioinformatics, evolutionary biology and ecology (<http://www.bio.purdue.edu/>). These opportunities are enhanced by a highly interactive community of scientists within the Colleges of Science, Pharmacy, Veterinary Medicine and Engineering and existing and emerging interdisciplinary centers in the life sciences. Abundant infrastructure support for structural biology exists, including advanced imaging analysis and biophysical instrumentation available in established core facilities at the Bindley Bioscience Center and the Birck Nanotechnology Center in Discovery Park (<http://www.purdue.edu/discoverypark/>).

Applications should be submitted electronically to <https://hiring.science.purdue.edu/> as a single PDF file containing a letter of interest, a detailed curriculum vitae, contact information for three references, a two to three-page summary of research interests, and a one-page teaching statement. The Department of Biological Sciences is committed to advancing diversity in all areas of faculty effort – scholarship, instruction and engagement. Candidates should address at least one of these areas in their cover letter, including past experience, current activity and/or future goals to promote a climate that values diversity and inclusion. As an ADVANCE institution, Purdue University is dedicated to the recruitment, retention and advancement of women in the STEM disciplines. Inquiries should be directed to Cynthia Stauffacher, Chair, Structural Biology Search Committee at StructureSearch@bio.purdue.edu or **Structural Biology Search Committee, Department of Biological Sciences, Purdue University, 915 W. State St., West Lafayette, IN 47907-2054**. Review of applications will begin **December 15, 2015** and continue until these positions are filled. A background check is required for employment in this position.

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