



Faculty Positions in Cancer Cell and Molecular Biology Purdue University



The Department of Biological Sciences in the College of Science at Purdue University, in conjunction with the NCI designated Purdue Center for Cancer Research, invites applicants for one or more tenure-track faculty positions in *Cancer Cell and Molecular Biology*. Research programs with emphasis in the following areas will be considered:

Cancer Cell Biology

- Cancer stem cell biology including model systems employing iPS cell technology
- Signaling pathways impacting tumor development
- Tumor microenvironment
- Tumor immunology and immunotherapy

Cancer Molecular Biology

- Control of gene expression in cancer cells by transcription factors, epigenetics, or 3D/4D organization of the genome
- Post-transcriptional control of cancer-related processes by non-coding RNAs
- Tissue reprogramming and differentiation of cancer stem cells

Growth in Cancer Biology is part of a large-scale interdisciplinary hiring effort across key strategic areas in the College of Science and comes at a time when the College is under new leadership with multiple commitments of significant investment. Opportunities for collaboration exist across the Purdue campus and in the Purdue Center for Cancer Research (<https://www.cancerresearch.purdue.edu/>) as well as with the new campus-wide Data Science initiative in bio data sciences. Applicants must have a Ph.D. or equivalent in biology or related field and at least 2 years of postdoctoral experience. We expect to fill positions at the tenure-track, Assistant Professor level. Successful applicants are expected to conduct research in cancer cell biology or cancer molecular biology, teach undergraduate and graduate students, and participate in ongoing programs within the Department of Biological Sciences and the College of Science.

The Department of Biological Sciences has over 50 faculty members conducting research in cancer biology, structural biology, neurobiology, virology, microbiology, molecular and cell biology, bioinformatics, evolutionary biology and ecology, and biology education (<https://www.bio.purdue.edu/>). Research in the Department is central to a highly interactive community of scientists from the Colleges of Science, Agriculture, Pharmacy, Veterinary Medicine and Engineering and from interdisciplinary centers in the Life Sciences including the Purdue Institute for Inflammation, Immunology and Infectious Diseases (<http://www.purdue.edu/discoverypark/pillars/pi4d/index.php>), the Purdue Institute for Integrative Neuroscience (<http://www.purdue.edu/discoverypark/pillars/integrative-neuroscience-center/index.php>), and the Purdue Institute for Drug Discovery (<http://www.purdue.edu/discoverypark/drug-discovery/>).

Applications should be submitted electronically to <https://hiring.science.purdue.edu/> as a single PDF file containing a cover letter indicating the position of interest, a detailed curriculum vitae, contact information for three references, a two-page summary of research interests, and a one-page teaching statement. Purdue University's Department of Biological Sciences 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 their cover letter, indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. As an ADVANCE institution (<https://www.purdue.edu/advance-purdue/>), Purdue University is dedicated to the recruitment, retention and advancement of women STEM faculty. Direct inquiries to Elizabeth J. Taparowsky, Chair, Cancer Biology Search Committee at Search@bio.purdue.edu or **Cancer Biology Search Committee, Department of Biological Sciences, Purdue University, 915 W. State St., West Lafayette, IN 47907-2054**. Review of applications will begin **October 8, 2018** and continue until the positions are filled. A background check is required for employment.

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