

Employment Opportunities

- [Structural Virology Postdoctoral Opening with Dr. Richard Kuhn](#)
- [Internship in Molecular Biology and Protein Biochemistry](#)
- [Interactions between bone and the immune system to develop new therapies for cancer and arthritis](#)
- [Post-Doctoral Research Associate Position in Ovarian Cancer](#)

Structural Virology Postdoctoral Opening with Dr. Richard Kuhn

The Kuhn laboratory at Purdue University looks to further advance the structural information available for various targeted viruses. Skills in molecular biology, virology, structural biology, crystallography and electron microscopy are used by his group to provide advanced structural information for specific RNA viruses. Typically, these include positive-sense, single-stranded viruses from the families *Picornaviridae* and *Flaviviridae* but specific projects can sometimes extend beyond these boundaries. Individual assignments for the successful applicant will be determined based on applicant experience and in direct consultation with Dr. Kuhn.

Dr. Kuhn is looking for qualified Ph.D. applicants willing to work full-time on his NIH-funded research projects. Candidates should have a strong background in structural biology as well as be proficient in molecular biology, virology, or a related field of study. Candidates should expect to have both individual and team responsibilities to meet in a timely and efficient manner. Typically, this focuses on independently performing experiments within appropriate biosafety guidelines, recording & interpreting data and reporting results. Applicants should also be self-motivated, able to provide oral and written results in reasonably proficient English, and willing to participate in further career development activities such as professional meetings and conferences, seminar presentations, etc.

Interested individuals should submit the following documents, preferably as one pdf file, to Dr. Richard Kuhn (kuhnr@purdue.edu):

- Cover letter
- Curriculum Vitae
- The names and contact information of three references.

Salary is to be commensurate with relative education and/or experience and usual Purdue University benefits (such as health insurance options, paid holidays and vacations, sick leave, etc.) will apply. Purdue University is an equal opportunity, affirmative action employer.

Position Title	Internship in Molecular Biology and Protein Biochemistry
Employer	Purdue University
Location	Hall for Discovery and Learning Research, Room 431 207 S. Martin Jischke Dr., West Lafayette, IN 47907
Discipline	Life Sciences, Biotechnology, Biochemistry
Position Type	Full time
Approximate duration	12 months
Job Type	Internship
Project description	<p>We are looking for a highly motivated intern to join MEPEP and work on interesting research projects</p> <p>The student would be expected to follow the given protocols, take proper notes and observations regarding the outcome of experiments and modify the protocols as needed.</p> <p>We look forward to working together with young scientists to provide unique opportunities to enhance their professional skills. We want your internship to be rewarding and a fun learning experience. Consider joining our R&D group for your internship</p>
Work responsibilities and activities	<p>Responsibilities</p> <ul style="list-style-type: none"> • Under the guidance of senior laboratory staff, perform laboratory experiments potentially including protein expression in bacterial, yeast and mammalian expression systems as well as protein purification and protein analysis (e.g. SDS-PAGE, Western Blot, analytical SEC). • Work independently in the laboratory once on the job training has been provided by senior laboratory staff. • Document experimental data using internal systems • Contribute to scientific discussions and present data at internal meetings. • Contribute to the maintenance of a safe and effective working environment by setting high personal standards and complying with all Purdue codes of practice.
Qualifications/ requirements	<p>Bachelor degree in biology, immunology, microbiology, molecular biology, cellular biology, or biochemistry. Experience with standard cell culturing techniques and analytical procedures (cell counting, cell seeding, viability, sterility sampling etc.) is generally a requirement. Other laboratory techniques such as cloning, PCR, enzyme kinetics, SDS PAGE, ELISA, are highly appreciated. We are looking for proactive individuals, good team-players, organized, accurate and precise in performing the experiments.</p>
Start date	June 2022
Contact	rostafe@purdue.edu

Postdoc or Graduate Student Position Available

A postdoctoral or grad student position, funded by NIH is open in the laboratory of Dr. Marxa Figueiredo at Purdue. The ideal candidate would have a PhD, MS, or BS in molecular and cell biology and an interest in drug discovery for arthritis and reversing bone erosion or therapeutics for bone-metastatic tumors. Mouse Models or in vivo experience is key.

Desired experience includes basic molecular biology techniques, cell culture, and especially drug discovery and in vivo mouse models.

Candidates from backgrounds underrepresented in STEM are encouraged to apply.

We study the interactions between bone and the immune system to develop new therapies for cancer and arthritis. Our therapeutic toolbox includes osteo-immune cytokines, small molecules (drug discovery), and mesenchymal stem cells (MSC)

<http://vet.purdue.edu/discovery/figueiredo/index.php>

Post-Doctoral Research Associate Position in Ovarian Cancer

Seeking a post-doctoral research associate to study mechanisms of metastasis in ovarian cancer. Research questions focus on the interplay between the tumor microenvironment and cancer cells in the peritoneal cavity in the context of host obesity and aging. The successful candidate must be willing to work with murine models of cancer, and experience with murine studies is a plus.

Interviews are ongoing. Interested candidates should contact: M. Sharon Stack

University of Notre Dame
Harper Cancer Research Institute
sstack@nd.edu