

Postdoctoral Associate, Pharmaceutical Sciences
University at Buffalo, The State University of New York

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Posted Dec. 18, 2020, set to expire Apr. 18, 2021

Job Title	Postdoctoral Associate, Pharmaceutical Sciences
Department	Pharmaceutical Sciences
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Dec. 18, 2020
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Pharmaceutical Sciences
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Job Description

The postdoctoral fellow in the laboratory of Sukyung Woo will be involved in multidisciplinary, collaborative projects investigating mechanisms underlying drug resistance and metastasis in tumor microenvironment and developing anticancer therapeutic strategies. We are particularly interested in therapeutic strategies to modulate target genes or proteins, including siRNA and PROTAC. This position requires performing experimental studies using in vitro and in vivo systems to describe and predict pharmacokinetics and pharmacodynamic responses of the therapeutics as single agents or in combination with chemotherapy, targeted therapy, and immunotherapy, with the aim of facilitating translational research and drug development in oncology. The Woo laboratory utilizes a computational mathematical modeling approach combined with experimental data to integrate in vitro and in vivo information and to facilitate preclinical-to-clinical translation.

Position responsibilities:

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- Evaluate dose-response relationships using cell lines and preclinical animal models
- Perform experiments related to basic molecular/cell biology
- Develop and perform in vitro assays to quantify therapy-induced responses
- Generate genetically-modified cell lines to elucidate molecular mechanisms
- Write scientific manuscripts, reports and research proposals
- Present scientific findings to national meetings.

Good communication/organization skills with the ability to work in collaborative environment are essential. Familiarity or prior hands-on experience in experimental techniques such as molecular and cellular biology, tissue culture, and antitumor activity evaluation in rodents is highly desired. The successful candidate will acquire experience in animal-to-human translational research, including early phase clinical trials. Individuals who want to expand their knowledge into pharmaceutical sciences, computational modeling, and quantitative systems pharmacology to depict and predict responses of solid tumors to anticancer agents are highly encouraged to apply.

Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit - all in an effort to support your work-life effectiveness. Visit our benefits website to learn about our <http://www.buffalo.edu/administrative-services/for-faculty-staff/benefits/research-foundation/regular-employees.html> benefit packages.

About UB

The University at Buffalo is SUNY's most comprehensive public research university, and an outstanding place to work. UB amplifies ambition for faculty and staff by offering endless possibilities to achieve more. Here, people from all backgrounds and cultures challenge and inspire each other to discover, learn and succeed. Dedicated staff and engaged faculty collaborate to further knowledge and understanding, and develop tenacious graduates who are valued for their talents and their impact on global society. Visit our website to learn more about the <http://buffalo.edu/University at Buffalo>.

As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact



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