

Multiple Research Positions in Medicinal Chemistry Lab at Rutgers

The Department of Medicinal Chemistry at Rutgers University Ernest Mario School of Pharmacy invites those qualified and interested to submit their CVs for multiple research positions open as of January 1, 2022 in the lab of incoming professor, Dr Jun Wang, at both the postdoctoral and graduate student levels in Medicinal Chemistry. The positions will include work in medicinal chemistry, organic chemistry, biochemistry, virology, structural biology, immunology, and microbiology.

Position Description:

The central theme of the Wang laboratory has been the identification of new drug targets and the development of novel small molecules for use as chemical probes for target validation as well as drug candidates for translational research. He has made progress in designing the first-in-class drug candidates targeting the influenza M2 proton channel, the enterovirus D68 2A protease, and the SARS-CoV-2 main protease and papain-like protease. For more details, please visit his website at www.wanqlabatuofa.weebly.com. His lab is a diverse group and researchers in the Wang Lab have opportunity to explore all aspects of pre-clinical drug discovery in the same lab starting from molecular-level design to *in vivo* mouse model studies. He is looking for multiple postdocs and graduate students to join his NIH-funded projects.

Quantifications:

- Although we prefer candidates with relevant experiences in virology and drug discovery, candidates with all backgrounds are considered. Motivation is our #1 consideration in hiring and we are thrilled to work with candidates who have passion in science and are dedicated to solving unmet medical needs.
- For PhD students, undergraduate majors in chemistry, biology, and related majors are preferred. Graduate students typically publish 10+ papers by the time they graduate.
- For postdocs, research experiences in multiple-step synthesis, medicinal chemistry, biochemistry, microbiology, virology, pharmacology and related fields are preferred.

Important Skills:

- Candidates with more than one of the following skills will be considered: multiple-step synthesis, structure-based drug design, high-throughput screening, molecular cloning, protein expression, cell culture, pharmacokinetic studies, animal models, organoids, molecular imaging, X-ray crystallography, electrophysiology, assay development, experiences with BSL-2 and BSL-3 pathogens, proteomics, LC-MS/MS, SPR, ITC, and NMR.

Interested individuals should submit their CV and a brief description of their research experiences and interests to Dr Jun Wang (junwang@pharmacy.rutgers.edu). Review of qualifications will begin immediately and continue until the positions are filled. Please contact Dr. Jun Wang for any questions about the positions.

Rutgers University in New Brunswick/Piscataway is located in central New Jersey in close proximity to many high-profile universities, research institutes, pharmaceutical and biotech industries. The Ernest Mario School of Pharmacy is part of a new academic health center, Rutgers Biomedical and Health Sciences (RBHS). It offers many opportunities for collaboration with researchers from both academia and industry in many different areas of chemical, biological, biomedical, and pharmaceutical sciences.

Affirmative Action/Equal Employment Opportunity Statement. It is university policy to provide equal employment opportunity to all its employees and applicants for employment regardless of their race, creed, color, national origin, age, ancestry, nationality, marital or domestic partnership or civil union status, sex, pregnancy, gender identity or expression, disability status, liability for military service, protected veteran status, affectional or sexual orientation, atypical cellular or blood trait, genetic information (including the refusal to submit to genetic testing), or any other category protected by law. As an institution, we value diversity of background and opinion, and prohibit discrimination or harassment on the basis of any legally protected class in the areas of hiring, recruitment, promotion, transfer, demotion, training, compensation, pay, fringe benefits, layoff, termination or any other terms and conditions of employment. For additional information please see the Non-Discrimination Statement at the following web address: <http://uhr.rutgers.edu/non-discrimination-statement>