

Postdoc Position in Computational Chemistry/biophysics, UCR, Los Angeles Area

A postdoctoral researcher position is available immediately in computational and theoretical chemistry/biophysics in the chemistry department at the University of California, Riverside. The position will focus on developing and applying our newly developed BKiT package to examine binding kinetics and thermodynamics. The position includes 1) carrying out molecular simulations and developing/applying analysis and machine learning tools to investigate non-covalent ligand-receptor binding; 2) developing and applying theory and new analysis methods from physics and chemistry to understand molecular binding/unbinding. Candidates will have the opportunity to learn state-of-the-art simulation methodology and work with experimental collaborators.

This position requires a Ph.D. in computational/theoretical chemistry, physics, chemical engineering or a related field. It requires very strong background in statistical mechanics, thermodynamics and theoretical skills, as well as experience and ability in molecular simulation. Experience in coding in C/C++, Python, enhanced sampling techniques and/or data analysis is preferred. Competitive candidates are expected to have a strong publication record in molecular modeling and computational chemistry/biophysics.

To be considered, please send a cover letter with a summary of research experience and a CV together with names and contact details of three referees to: Prof. Chia-en Chang (chiaenc@ucr.edu) <http://chemcha-gpu0.ucr.edu/>

Positions will be initially for one year but successful postdocs are expected to have their appointment renewed. After reviewing applications, competitive candidates will be requested to provide three letters of references. The position is open immediately. Salary scale is based on the UC postdoc salary scale https://www.ucop.edu/academic-personnel-programs/_files/1920/2020-postdoc-scales/t23.pdf

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, disability, protected veteran status, or any other characteristic protected by law.