

## POSITION VACANCY ANNOUNCEMENT

### Postdoctoral Research Associate

Department of Biochemistry

#### Research

The Meroueh laboratory in the Department of Biochemistry at the University of Illinois Urbana-Champaign is seeking candidates for a postdoctoral associate position. Candidates with a Ph.D. in chemistry, biochemistry, chemical and biomolecular engineering, or molecular and cell biology are encouraged to apply. The candidate will work on a project to develop covalent inhibitors and proteolysis targeted chimera (PROTAC) degraders of oncogenes for which no approved drugs exist. The candidate will employ biochemical and bioanalytical tools to characterize the binding and inhibition of small molecules and PROTAC degraders. The candidate will explore promising small molecules and PROTACs in mammalian cells for target engagement, inhibition, and protein degradation. We have several promising candidates ready to be investigated.

#### Duties

The duties will include expression and purification of proteins of interest, binding and inhibition studies using existing fluorescence-based biochemical assays and/or bioanalytical methods such as biolayer interferometry. Co-crystal structures of protein in complex with fragments and small molecules will be solved at a Core facility for the candidate. Small molecules will be explored for target engagement in mammalian cells using BRET, western blot analysis, and other standard methods. There is potential for training in some of these areas in the Meroueh laboratory for strong candidates that do not have the expertise.

Interested candidates should contact [smeroueh@illinois.edu](mailto:smeroueh@illinois.edu).

For more information, please visit: <https://mcb.illinois.edu/directory/profile/smeroueh>