



University of Nevada, Reno



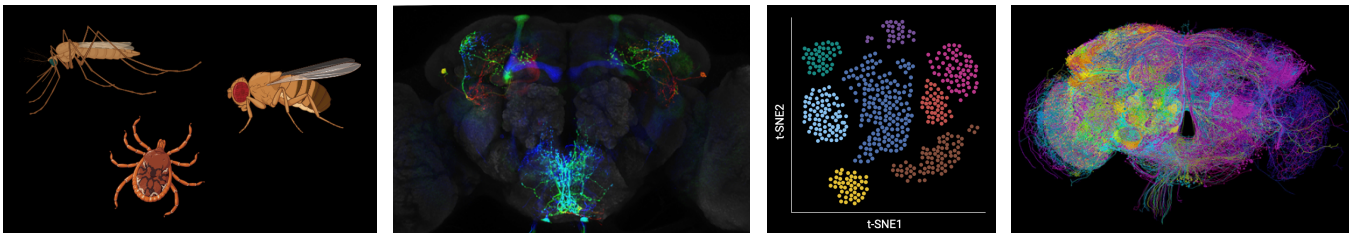
## Postdoctoral Position in the Zandawala Lab at the University of Nevada Reno

### Research interests of the lab

The nervous systems of animals utilize a wide variety of chemicals for neuronal communication. These include small molecule neurotransmitters and neuropeptides amongst others. Neuropeptides are by far the most diverse, and control a range of essential physiological processes including feeding, metabolism, sleep, stress, reproduction, development and locomotion. Our lab is interested in understanding how neuropeptides mediate these effects in the fruit fly *Drosophila melanogaster* as well as other arthropods. We utilize multiple approaches in our lab including standard molecular and anatomical techniques, CRISPR/Cas9, *Drosophila* genetics, behavioral analyses, optogenetics and calcium imaging. We have recently developed and utilize a novel genetic tool called Tango-Map MkII to visualize neuromodulation in freely-behaving flies. We also use computational approaches to perform single-cell transcriptomic analyses and connectomics to decipher connectivity between neurons producing neuropeptides.

### Job description

We have several ongoing projects in the lab revolving around neuropeptide evolution, function and neural circuit tracing. The successful applicant will work as part of a team on these projects but will primarily develop their own project depending on their interest and future goals. There are no restrictions on topic or direction as long as it focuses around neuromodulation. For more information, check out the lab website: <https://lab.zandawala.com/>



### Qualifications

The ideal candidate will have a Ph.D by the time of appointment in Neuroscience, Bioinformatics, Molecular Genetics or a related discipline. Previous experience with *Drosophila* (or other arthropods) and/or programming skills is a plus but not required.

### Other information

Application Deadline: The position is open until a suitable candidate is found

Position Start Date: January 2024 or at a later agreed upon date

Salary: According to the NIH pay scale for postdocs + benefits

Term: The position is initially funded for 3 years with a possibility of prolongation upon review. Candidates will be supported to develop their own research program and encouraged to apply for fellowships.

### Application material

Official link to apply for this position: <https://nshe.wd1.myworkdayjobs.com/UNR-external/job/University-of-Nevada-Reno---Main-Campus/Postdoctoral-Researcher---Biochemistry---Molecular-Biology--Zandawala-Lab- R0138892-1>.

Informal inquiries can be addressed to Dr. Meet Zandawala at [mzandawala@unr.edu](mailto:mzandawala@unr.edu)

### Location

Reno is located in northern Nevada near the Sierra Nevada mountains and offers plenty of opportunities for outdoor enthusiasts interested in skiing, biking, hiking, fishing and paddleboarding. We are located only 45 mins away from the beautiful Lake Tahoe, and three hours from San Francisco and the world-famous Northern California wine country. Reno offers all the amenities of a university town and is home to excellent coffee shops, restaurants and breweries. There is something to do for everyone!

**Email for questions or more details!**