

Position Available
Post-doctoral Research Associate
University of Arizona

Position #: P20735

Position Summary

The Department of Entomology at the University of Arizona is seeking candidates who are interested in developing novel strategies for controlling mosquito-borne disease transmission as a full-time Post-Doctoral Fellow. This exciting opportunity is under the direction of Dr. Michael Riehle in his laboratory that is currently researching the effects of insulin and insulin growth factors on mosquito lifespan and immunity (see additional details at <https://riehlelab.arizona.edu/>). Within this scope of work Dr. Riehle is collaborating on projects with the University of Idaho studying how key signaling cascades, including JNK and insulin signaling pathways, influence diverse physiologies in the malaria vector *Anopheles stephensi*.

If you are interesting in advancing your experience working with molecular techniques including; RNAi, CRISPR/Cas9 and transgenic mosquito lines and exploring how JNK and insulin signaling pathways influence metabolism, reproduction and senescence then this is perfect opportunity for your continued research journey. Dr. Riehle and his colleagues are seeking a candidate that has a PhD in molecular biology, entomology or a related field with a competitive publication record. If you currently have cellular signaling pathway experience and/or experience working with mosquitoes, then we encourage you to apply.

Outstanding UA benefits include health, dental, and life insurance; paid sick leave and holidays; UA/ASU/NAU tuition reduction for employee and qualified family members; access to campus cultural and recreational activities; retirement, and more.

Duties and Responsibilities

- Conduct basic research on the manipulation of JNK and insulin signaling cascades and the subsequent impact on core physiologies in the mosquito.
- Independently design, perform and interpret the results of experiments.
- Prepare research results for publication and presentations at scientific meetings.
- Supervise graduate and undergraduate students working on the project.

Minimum qualifications

- PhD in molecular biology, entomology or a related field.

Preferred qualification

- Previous experience with cell signaling is a major plus.
- Previous experience working with mosquitoes.
- Experience with basic molecular biology protocols such as PCR, qRT-PCR, RNAi, CRISPR/Cas9, western blotting, immunocytochemistry.

Required Documents

- Letter of Interest
- Curriculum Vitae
- Three letters of reference

Mail, fax, or email required documents to:

Dr. Michael Riehle
Forbes 410, PO Box 210036
Tucson, AZ 85721-0036
Fax: (520) 621-1150
Email: mriehle@ag.arizona.edu

IMPORTANT! Prospective candidates must also apply online at: <http://uacareers.com/postings/34799>

