



Postdoctoral Research Associate

Sutphin Laboratory

Molecular & Cellular Biology

University of Arizona

<http://sutphinlab.org>

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Position Summary. A postdoctoral position is available in the Sutphin Lab to study the role of kynurenine metabolism in aging and age-associated disease. The Sutphin Lab uses a combination of systems and comparative genetics to identify novel genetic and environmental factors capable of influencing longevity and healthspan and characterize their molecular mechanisms of action. We have identified several interventions targeting kynurenine pathway enzymes or metabolites that robustly extend lifespan in *C. elegans*. A current focus of the lab is to understand the molecular mechanisms through which kynurenine pathway manipulation affects longevity using both *C. elegans* and mice as model systems. We are further evaluating these interventions as treatments for specific age-associated diseases including Alzheimer's disease, cardiovascular disease, and stroke. This position will involve developing, managing, and executing project(s) focused on the mechanisms linking kynurenine metabolism to aging.

Qualifications. We seek applicants who are independent, hard-working, intellectually curious, and ambitious. We offer a stimulating, interactive, and nurturing environment with numerous opportunities for career development. The successful candidate will be responsible for designing, planning, and conducting experiments using *C. elegans* and mice, collecting and analyzing data, writing peer reviewed publications, writing fellowship and grant applications, attending scientific conferences to present data, and mentoring students in the laboratory. Required qualifications include a PhD in life sciences or related field.

University of Arizona. *Outstanding UA benefits include health, dental, vision, and life insurance; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; access to UA recreation and cultural activities; and more!* The University of Arizona has been listed by Forbes as one of America's Best Employers in the United States and WorldatWork and the Arizona Department of Health Services have recognized us for our innovative work-life programs. For more information about working at the University of Arizona and relocation services, please [click here](#).