

# Post-Doctoral Fellow Molecular Toxicology

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- University of Louisville School of Medicine
- Location: Louisville, KY
- Posting Date: May 21, 2024
- Salary / Pay Rate: \$61,008 - \$74,088
- Application Deadline: Open Until Filled

## Job Description

We are seeking a highly motivated individual to join an NIEHS R01 funded project investigating the role dysregulation of miRNA expression plays in arsenic-induced skin carcinogenesis using in vitro models. Primary responsibilities will be to conduct studies of effects of overexpression of selected miRNAs on mRNA and protein expression during the transformation of human keratinocytes by chronic arsenic exposure. State of the art next generation sequencing, proteomic and bioinformatics approaches will be major tools utilized in these studies. The laboratory is associated with the Center for Integrative Environmental Health Sciences, a NIEHS P30 funded Core Center headquartered in the University of Louisville School of Medicine. The Center provides access to research facility cores for next generation sequencing, proteomics, metabolomics, metallomics and bioinformatics. The successful applicant will have training opportunities in all these areas as needed for the project. Opportunity for appointment to a NIEHS T32 training grant is available for qualified individuals.

### Preferred Qualifications:

Strong educational foundation and/or hands-on experience in cell culture and molecular biology including gene and protein expression analyses.

Experience in metal toxicology is desirable.

Demonstrated excellence in research publication.

Effective team player and ability to work independently.

Excellent oral and written communication skills

### Minimum Requirements:

Ph.D. degree in a biomedical science (e.g. biochemistry, molecular biology, pharmacology, toxicology, etc) is essential.

Effective verbal, written, and interpersonal communication skills are essential for the successful candidate.

Please send CV and career goals to: J. Christopher States, Ph.D.

[jcstates@louisville.edu](mailto:jcstates@louisville.edu)

*Equal Employment Opportunity: The University of Louisville is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, sex, age, color, national origin, ethnicity, creed, religion, disability, genetic information, sexual orientation, gender, gender identity and expression, marital status, pregnancy, or veteran status.*

*If you require assistance or accommodation with our application process due to an impairment or disability, please email the contact listed above directly, or reach out to the Employment team at [employment@louisville.edu](mailto:employment@louisville.edu) or 502.852.6258. Assistance and Accommodations Computers are available for application submission at the Human Resources Department located at 215 Central Avenue, Ste 205 - Louisville, Kentucky 40208.*

*About the University of Louisville: In 2023, the University of Louisville celebrates its quasiquicentennial, the 225th anniversary of the 1798 beginnings of higher education in Louisville. One of the nation's first city-owned, public universities, UofL today is a vital ecosystem that creates thriving futures for students, our community and society. As one of only 79 universities in the United States to earn recognition by the Carnegie Foundation as both a Research 1 and a Community Engaged university, we impact lives in areas of student success and research and innovation, while our dynamic connection with our local and global communities provides unparalleled opportunities for students and citizens both. The university serves as an engine that powers Metro Louisville and the commonwealth and as a classroom for UofL's more than 23,000 students, who benefit from partnerships with top employers and a wide range of community service opportunities. To learn more, visit [louisville.edu](http://louisville.edu). The University of Louisville is a public university in Louisville, Kentucky. It is a member of the Kentucky state university system.*