

Postdoctoral Fellow/Research Associate
Exposure Biology and Chemistry Laboratory (EBCL)
Global Health Research Center
Duke Kunshan University
Job Description

Position Overview:

Under the direction of Professor Junfeng (Jim) Zhang, the Exposure Biology and Chemistry Laboratory at Duke Kunshan University in Kunshan City, Jiangsu Province, has been established to develop novel biomarkers of environmental exposure and health effects and to apply these biomarkers in human health studies. The research conducted in the Laboratory focuses on the complex interactions between human host factors and environmental exposures (air pollution, chemicals in consumer products, food/water contamination, etc.) in order to understand whether and how environmental exposures affect human health at the individual and population levels. As such, research outcomes are expected to generate scientific evidence to support policies and help design more personalized prevention and intervention strategies to reduce the harmful effects of environmental hazard.

Reports to:

Junfeng (Jim) Zhang, PhD, Professor of Global and Environmental Health and Director of the Exposure Biology and Chemistry Laboratory

Essential Duties:

- Work in a wet lab to perform sample analysis using HPLC and HPLC-MS.
- Participate in multiple research projects and serve as research coordinator and lab manager.
- Work as a team member of Prof. Zhang's research group consisting of PhD scientists, postdocs, graduate students at both Duke University and Duke Kunshan University.
- The postdoc is expected to perform data analysis and serve as first author or co-author on research publications.
- Other tasks as assigned.
- University employees' job responsibilities will continue to expand in scope and depth as the University grows in size and complexity in its programs.

Required Qualifications:

For Postdoctoral Fellow Position:

- A doctoral degree in exposure science, environmental sciences, toxicology, or environmental chemistry, is required.
- Strong skills in HPLC and HPLC-MS and other analytical chemistry instrumentation.
- Ideal candidates will have experience with biomarker development and statistical analysis skills.

For Research Associate Position:

- At minimum a MS degree in environmental sciences, analytical chemistry, biochemistry, or a relevant field is required.
- At least one year of lab work experience using HPLC-MS is also required.

How to Apply:

Interested applicants should send a resume and a cover letter to junfeng.zhang@duke.edu and DKUrecruitment@dukekunshan.edu.cn.