

Opportunity Title: Interrelationships Between Chemical and Non-Chemical Stressors Affecting Children

Opportunity Reference Code: EPA-ORD-NERL-SED-2017-05

Organization U.S. Environmental Protection Agency (EPA)

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How to Apply A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to EPArpp@orau.org. Please include the reference code for this opportunity in your email.

Description A postgraduate research opportunity is currently available at the U.S. Environmental Protection Agency's (EPA) Office of Research and Development/National Exposure Research Laboratory (NERL). The appointment will be served with the Systems Exposure Division (SED) in Research Triangle Park, NC.

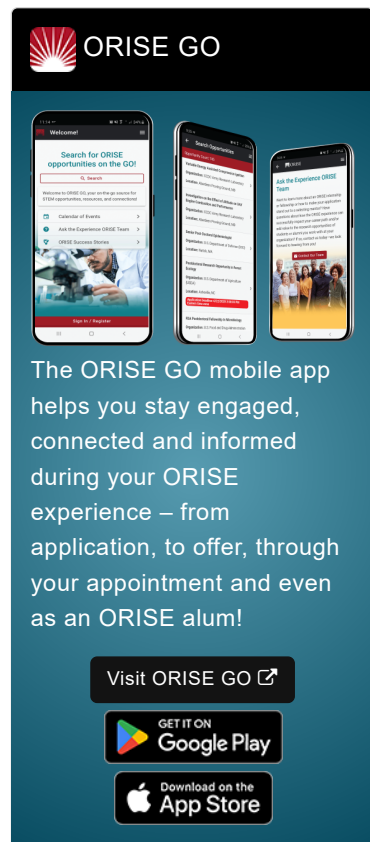
This project will pursue research related to the interrelationships between chemical and non-chemical stressors from the built, natural, and social environments and childhood health and well-being.

In collaboration with the mentor, the participant's research may include the following activities:

- Develop a research proposal
- Complete a literature review to identify chemical and non-chemical stressors from one sector of a child's total environment
- Mine the results of the literature review to create a database and conduct statistical analyses of the data to understand the relationship(s) between chemical and non-chemical stressors
- Draft a manuscript on the results of the statistical analyses
- Outline how these stressors (both chemical and non-chemical) could be incorporated into the conceptual framework that describes children's health and well-being
- Describe which stressors are found together
- Describe which stressors may be more likely to adversely impact children's health and which stressors may have protective parameters
- Draft a manuscript tying the stressor information together

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and EPA.

The appointment is full time for one year and may be renewed upon recommendation of EPA and contingent on the availability of funds. The



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participant will receive a monthly stipend. Funding may be made available to reimburse the participant's travel expenses to present the results of his/her research at scientific conferences. No funding will be made available to cover travel costs for pre-appointment visits, relocation costs, tuition and fees, or participant's health insurance. The participant must show proof of health and medical insurance. **The participant does not become an EPA employee.**

The mentor for this project is Nicolle Tulve tulve.nicolle@epa.gov. The desired start date is November 1, 2017..

Qualifications Applicants must have received a doctoral degree in environmental sciences, environmental engineering, exposure science, environmental epidemiology, public health, or a related field within five years of the desired starting date, or completion of all requirements for the degree should be expected prior to the starting date. Knowledge and use of statistical software, literature searches, informatics, and data mining are desirable.

- Eligibility Requirements**

- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Doctoral Degree.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([2](#) )
 - **Engineering** ([3](#) )
 - **Environmental and Marine Sciences** ([1](#) )
 - **Life Health and Medical Sciences** ([7](#) )
 - **Social and Behavioral Sciences** ([3](#) )