Opportunity Title: EPA Geospatial Eco-Health Research Internship
Opportunity Reference Code: EPA-ORD-CPHEA-PHESD-2020-02

Organization	U.S. Environmental Protection Agency (EPA)
Reference Code	EPA-ORD-CPHEA-PHESD-2020-02
How to Apply	A complete application consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. All transcripts must be in English or include an official English translation. 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 recommendations. Click here for detailed information about recommendations.

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

Application Deadline	7/28/2020 3:00:00 PM Eastern Time Zone
Description	***Applications may be reviewed on a rolling-basis and this posting could close before the deadline.** Click **here** for information about the selection process.

EPA Office/Lab and Location: A research opportunity is available at the Environmental Protection Agency (EPA), Office of Research and Development (ORD), Center for Public Health Environmental Assessment (CPHEA), Public Health and Environmental Systems Division (PHESD) located in Research Triangle Park, North Carolina.

Research Project: This research training opportunity focuses on the influence of local natural infrastructure on human health and well-being. The research participant will have the opportunity to collaborate with a team of Federal scientists and research fellows with expertise in environmental health, landscape ecology, remotely-sensed earth observations, and social surveys. Research activities may include geospatial and statistical analyses using existing national databases including health survey data.

Learning Objectives: The research participant may have the opportunity to be involved with identifying and compiling socioeconomic and environmental data; calculating GIS metrics; modeling individual-level human physical and mental health outcomes using these variables; and synthesizing the current state of the science on discrete eco-health linkages in support of EPA's online Eco-Health Relationship Browser. Statistical analyses may explore land use and land cover within residential buffers, temporal and/or residential relocation effects, and geographic variability that may affect the influence of the local natural environment on health behaviors and status.

The research participant will have the opportunity to contribute to the development of manuscripts for submission to peer-reviewed scientific journals. The research participant will have the opportunity to attend at least one scientific conference or workshop to present research and continue professional development.

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Mentor(s): The mentors for this opportunity are Laura Jackson (Jackson.laura@epa.gov) and Anne Neale (Neale.Anne@epa.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: September 2020. All start dates are flexible and vary depending on numerous factors. Click **here** for detailed information about start dates.

Appointment Length: The appointment will initially be for one year and may be renewed up to three additional years upon EPA recommendation and subject to availability of funding.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience. Click **here** for detailed information about full-time stipends.

EPA Security Clearance: Completion of a successful background investigation by the Office of Personnel Management (OPM) is required for an applicant to be on-boarded at EPA.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and EPA. Participants do not become employees of EPA, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

Questions: Please see the FAQ section of our website. After reading, if you have additional questions about the application process please email EPArpp@orau.org and include the reference code for this opportunity.

Qualifications

The qualified candidate should have received a master's degree in one of the relevant fields, or be currently pursuing the degree and will reach completion by the appointment start date. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Statistics and epidemiology
- Oral and written communications
- Experience with geospatial analysis and programming using ArcGIS, Python, SAS, and R
- Knowledge of ecosystem services

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree received within the last 60 months or anticipated to be received by 9/30/2020 11:59:00 PM.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (1 👁)
  - **Earth and Geosciences** (1 👁)

- - **Environmental and Marine Sciences** (3 👁)
  - **Life Health and Medical Sciences** (5 👁)
  - **Mathematics and Statistics** (2 👁)
  - **Social and Behavioral Sciences** (2 👁)
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).