

EPA's National Health and Environmental Effects Research Laboratory (NHEERL) is seeking applicants for our federal Post-doctoral Research Program. NHEERL has opportunities for conducting high priority research that contributes to protecting human health and the environment. Our primary focus is the effects of contaminants and environmental stressors on human health and ecosystems. Our research spans all levels of biological organization from the genome to populations, communities and ecosystems. The interdisciplinary nature of our research affords numerous opportunities for collaboration with other researchers both inside and outside of EPA.

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Integrating Human Health and Ecological Endpoints in Sustainability Science

Project number: GED-10-01-2014-06

Lab/Center/Office: NATIONAL HEALTH AND ENVIRONMENTAL EFFECTS RESEARCH LAB

Division: GULF ECOLOGY DIVISION

Branch: ECOSYSTEM ASSESSMENT BRANCH

http://cfpub.epa.gov/ordpd/PostDoc_SearchResults.cfm?Lab=NHEERL

Brief description of research project: Work to be performed will address critical priorities to integrate human health and environmental endpoints through quantitation of final ecosystem goods and services. Approaches and/or model systems will be developed to examine the sustainability of public health and related ecosystem services production resulting from alternative decisions. Linkages between human health and environmental endpoints will refine decision analysis tools for more effective decision-making toward sustainable outcomes that incorporate environmental, economic and social (public health) issues. Research may include: i) identification of ecosystem goods and services contributing to human health endpoints of high relevance to stakeholders in different community types; ii) refinement of conceptual models linking ecosystem condition and ecosystem goods and services to human health endpoints; iii) inventory of existing methods, identification of knowledge gaps, and development of novel methods using statistical or modeling approaches to quantify human health outcomes under changing ecosystem condition; and iv) implementation of quantitative methods to map and/or predict human health endpoints under alternative scenarios of changing ecosystem condition, including climate change and other stressors.

Geographical location of position: Gulf Breeze, FL

High priority research areas: Development and application of approaches that integrate human and environmental health in a framework that evaluates widespread impacts to community public health from environmental drivers and stressors (e.g., toxic exposures, landscape changes, water quality, air deposition, infrastructure changes).

Scientific project area: Environmental Sustainability/Sustainability Systems Modeling/Social Sciences

Educational requirements: Ph.D. in public health, ecology, environmental sciences, biology, mathematics, statistics, or a related discipline.

Specialized training and/or experience preferred: Experience managing and manipulating ecological and human health data sets, including geospatial data; experience conducting quantitative analyses in Excel, R, GIS, or similar.

Projected duration of appointment: 3 years

Paid relocation to EPA work location: Yes

Application Period Open Date: Oct 01, 2014

Application Period Close Date: Oct 31, 2014

Scientific contact/Principal Investigator(s)*: Marc Russell, russell.marc@epa.gov, 850-934-9344

*This person/persons may be contacted for additional scientific information about this project. This person is not authorized to accept applications, make job offers, set salaries, establish start dates or discuss benefits. See general announcement for details on how to apply.

For more information on how to apply, see http://cfpub.epa.gov/ordpd/PostDoc_Lab.cfm?Lab=NHEERL

Excellent federal employee benefits:

Salary range of \$47,923 to \$98,764
Up to 3 year appointment duration
Vacation and sick leave
Federal health benefits, life insurance and retirement program
Travel to professional scientific meetings
Some positions have an active post-doctoral trainee organization onsite

Easy application process, please submit the following:

Up-to-date Curriculum Vitae
Letter of recommendation from your senior research advisor or comparable official
Cover letter indicating positions/project descriptions and locations of interest, your email address, U.S. citizenship status, and how you learned of this program Form DD-214, if claiming veteran's preference

Please indicate your U.S. citizenship status (citizen or permanent resident) and country of citizenship. Candidates must be U.S. citizens or permanent residents, and permanent resident applicants must be seeking citizenship as outlined in 8 U.S.C. 1324b(a)(3)(B). Only in the absence of qualified U.S. citizens will permanent residents be considered.

You may email your application materials to ordpostdocapps@epa.gov. Please include "NHEERL Post-Doctoral Program" in the email subject line. NOTE: Applications sent via email must be submitted in a format readable by this office, such as MS Word, portable document format (PDF), rich text format (RTF), or plain text.

For more information on how to apply, see http://cfpub.epa.gov/ordpd/PostDoc_Lab.cfm?Lab=NHEERL