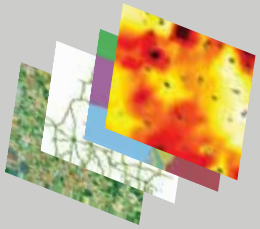
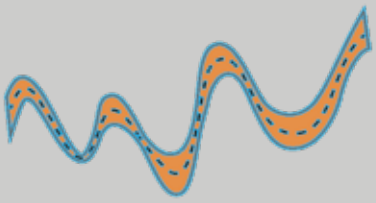
National Institute of Environmental Health Sciences
Your Environment. Your Health.

We're Hiring!



Postdoctoral Fellowship in Climate Change Exposure and Health

The Spatiotemporal Health Analytics Group and the Personalized Environment and Gene Study (PEGS, https://www.niehs.nih.gov/research/clinical/studies/pegs/index.cfm) are seeking a postdoctoral fellow to develop climate change exposure metrics for use in climate change and health studies. To address the complex questions of climate change impacting human health, we will develop geospatial climate change exposure metrics at multiple spatial and temporal scales. The metrics will be derived for their utility across epidemiological and risk assessment study designs by accommodating multiple spatial and temporal domains and scales. There will be opportunities to collaborate with health scientists and integrate the work with cohorts such as PEGS and the NIH All of Us Study. The candidate will be co-mentored by Drs. Kyle P Messier and Alison Motsinger-Reif. Additional collaboration, mentorship, and training opportunities are available throughout NIH such as the National Institute on Minority Health and Health Disparities and the Office of Intramural Training and Education.

The required skills and expertise for this position are (1) competency in GIS and spatial models such as land-use regression and Kriging, (2) an eagerness to learn new scientific and statistical skills in the environmental health sciences, and (3) demonstrated and on-going ability to contribute to an interdisciplinary and inclusive research group. Preferences will be given to candidates with demonstrated experience in one or more of the following areas:

• Coding in R and/or Julia languages • GIS software such as QGIS • Code version control using Git • Linux and high-performance computing cluster environments • Experience with large, geospatial datasets • Data wrangling • LaTeX/Overleaf • Strong writing and communication skills

Applicants must have a PhD or equivalent degree in environmental science, public health, biostatistics, or another related field. Application interviews will begin by at least July 14, 2022 and will be considered until the position is filled. Expected salary is available at https://www.niehs.nih.gov/careers/research/fellows/working/benefits/salary. The position is located at the NIEHS campus in Research Triangle Park, North Carolina. Telework is an option, but the primary work location will be on-site. The position is open to all U.S. citizens and visa-eligible foreign citizens. ***The NIH is dedicated to building a diverse community in its training and employment programs and encourages the application and nomination of qualified women, minorities, and individuals with disabilities. As a condition of employment, all federal employees must be fully vaccinated against COVID-19. If selected, you must provide proof of vaccination. An official job offer and continued employment is contingent on this requirement. For more information on this requirement, visit the Safer Federal Workforce page on vaccines. If you need a COVID-19 vaccine, please visit Vaccines.gov.***

To apply:

Applicants should submit the following materials to **niehs-spatial-apps@nih.gov** with the subject line "Climate Change Exposure and Health":

• Research statement (1-2 pages) • Curriculum Vitae • 1-2 recent peer-reviewed publications • 1-2 code examples • Contact information for 3 references

Questions may be sent to kyle.messier@nih.gov. The official announcement for this posting is available on the Office of Intramural Training and Education website: https://www.training.nih.gov/postdoc_jobs_nih/view/_31/9667/CCEH_05242022. A related postdoctoral fellowship in spatiotemporal geostatistics methods development is also available. Please see the announcement on the posting website or contact Dr. Kyle Messier for more details.