

Postdoctoral Position in Geospatial Health Sciences
Department of Health Sciences
College of Health Sciences
University of Missouri – Columbia

Are you a skilled researcher with a passion for leveraging geospatial technologies to advance health and societal impact? We're seeking a highly motivated Postdoctoral Scientist to join our collaborative team as part of the NSF Convergence Accelerator Program at the University of Missouri--Columbia. This is a unique opportunity to contribute to cutting-edge research at the intersection of geospatial analytics, health sciences, and team science.

About Us:

Our research team is at the forefront of innovation, harnessing the power of geospatial data to address complex health challenges. Through the NSF Convergence Accelerator Program, we aim to foster interdisciplinary collaboration, community, and industry partnerships, and accelerate the translation of research findings into actionable solutions. Join us as we work together to drive positive change.

Position Overview:

As a Postdoctoral Scientist, you will play a pivotal role in our team's efforts to integrate geospatial methodologies with health sciences. Working in a collaborative environment, you will engage in team science initiatives aimed at tackling pressing public health issues. Your research will contribute to the development of innovative approaches for understanding disease transmission dynamics, health disparities, and environmental influences on human health.

Key Responsibilities:

- Conduct geospatial analyses to elucidate patterns and determinants of health outcomes.
- Collaborate with multidisciplinary teams to integrate diverse datasets and expertise.
- Develop and apply spatial models to assess the impact of environmental and multidimensional factors on population health outcomes.
- Participate in team science activities, including workshops, seminars, and collaborative projects.
- Contribute to the dissemination of research findings through publications and presentations.

Qualifications:

- Ph.D. in Geography, Epidemiology, Public Health, Environmental Sciences, Computer Science, Data Science, or a related field.
- Strong background in geospatial analysis, GIS, and remote sensing techniques.
- Familiarity with utilizing desktop and online GIS platforms to analyze and display IOT data.
- Experience in using and customizing ArcGIS Online applications, interfaces, and dashboards.
- Experience with interdisciplinary research and team science approaches.
- Proficiency in programming languages such as Python.
- Excellent communication skills and ability to collaborate effectively in a team setting.
- Track record of scholarly publications and conference presentations.

Salary will be commensurate with qualifications and experience of the applicant.

Opportunities:

- Engage in cutting-edge research as part of the NSF Convergence Accelerator Program, an interdisciplinary research team across five Universities, and community and industry partners.
- Access to state-of-the-art facilities and resources.
- Professional development and mentorship.
- Collaborative and inclusive work environment fostering innovation and creativity.

How to Apply:

Interested candidates should submit a cover letter outlining their research interests and qualifications, a current CV, and contact information for three references. Please email your application to Kate Trout (kate.trout@health.missouri.edu) and Tom Vought (voughth@missouri.edu) with the subject line "Postdoctoral Scientist Application – Geospatial Health Sciences." Review of applications will begin immediately and continue until the position is filled.

Join us in driving transformative research at the intersection of geospatial health sciences and team science. Together, we can make a meaningful impact on global health outcomes. We look forward to welcoming a talented and dedicated scientist to our team!

About CHS:

The MU College of Health Sciences (CHS) is the University of Missouri system's only school of health professions and the state's only public health program located on a health sciences campus. Its mission is to improve the health and well-being of others. Every day, CHS faculty, staff, and students work towards changing lives through the integration of teaching, service and discovery.

<https://healthsciences.missouri.edu/about/>

With programs in rehabilitation, diagnostic and imaging sciences, public health, and social work, graduates of CHS fill critical roles in health care. The school is comprised of eight departments and 14 disciplines, each with their own specialized accreditation processes. The school also hosts a satellite program of the University of Missouri-Kansas City College of Pharmacy.

Health professions account for more than 60 percent of the total U.S. health care workforce. Jobs in health professions are projected to grow at least through 2026, according to the Bureau of Labor Statistics. The school is an important member of the University of Missouri Health System. Other members include the Sinclair School of Nursing, the School of Medicine, University Hospitals and Clinics and University Physicians.

Benefits:

This position is eligible for University benefits. The University offers a comprehensive benefits package, including medical, dental and vision plans, retirement, and educational fee discounts. For additional information on University benefits, please visit the Faculty & Staff Benefits website at <http://www.umsystem.edu/totalrewards/benefits>

Values Commitment:

We value the uniqueness of every individual and strive to ensure each person's success. Contributions from individuals with diverse backgrounds, experiences and perspectives promote intellectual pluralism and enable us to achieve the excellence that we seek in learning, research and engagement. This commitment makes our university a better place to work, learn and innovate.

In your application materials, please discuss your experiences and expertise that support these values and enrich our missions of teaching, research and engagement.

Equal Employment Opportunity:

Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without unlawful discrimination on the basis of their race, color, national origin, ancestry, religion, sex, pregnancy, sexual orientation, gender identity, gender expression, age, disability, protected veteran status, or any other status protected by applicable state or federal law. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or the recruiting rights of military organizations associated with the Armed Forces or the Department of Homeland Security of the United States of America. For more information, call the Vice Chancellor of Human Resource Services/Affirmative Action officer at 573-882-4256.

To request ADA accommodations, please call the Disability Inclusion and ADA Compliance Manager at 573-884-7278.

EEO IS THE LAW:

To read more about Equal Employment Opportunity (EEO) please use the following links:

- EEO is the Law [English Version](#)
- EEO is the Law [Spanish Version](#)
- EEO is the Law [Chinese Version](#)