



**HARVARD
T.H. CHAN**

SCHOOL OF PUBLIC HEALTH

Center for Climate, Health, and
the Global Environment

Job Opening Postdoctoral Research Fellow

The Center for Climate, Health, and the Global Environment at Harvard T.H. Chan School of Public Health (Harvard Chan C-CHANGE) invites applications for a full-time Postdoctoral Research Fellow to begin immediately on its Transportation, Equity, Climate and Health (TRECH) program.

The project: Transportation, Equity, Climate, and Health (TRECH):

Modernizing transportation systems in the U.S. offers important opportunities to slow climate change, improve human health, and alleviate inequities. Through our [Transportation, Equity, Climate, and Health \(TRECH\) Project](#), we are analyzing how different policies for reducing greenhouse gas emissions could improve people's lives.

We are looking for a Research Fellow to join our TRECH team to evaluate the health, equity, and environmental justice effects of different policy options for transportation policies in the Northeast and Mid-Atlantic and use this information to inform climate policymaking.

The TRECH Project analyzes how infrastructure investments and transportation policies can influence health through better air quality and increases in physical activity. The project is multi-faceted and includes regional health and equity assessment of different policy options, focused case studies in New York City and Boston, work with environmental justice groups, and assessment of emissions from charging electric vehicles (EVs).

The Team:

We are a multi-university collaboration with teams at Harvard Chan C-CHANGE, Columbia University, Boston University, and the University of North Carolina, composed of risk and exposure assessment experts, epidemiologists, atmospheric scientists, and communications experts, and all levels from doctoral student to professor. We all share an interest in ensuring that climate policies are developed that are also health, equity, and environmental justice forward.

The Center:

Harvard Chan C-CHANGE performs research on the health impacts of the energy industry and climate policy, and translates the innovative research from faculty and students across the Harvard Chan School into actions that improve public health today and create a more just, sustainable and healthy future for all. Led by Dr. Aaron Bernstein, Harvard Chan C-CHANGE equips changemakers with the evidence and tools they need to act now to



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protect our health. For more information, please visit:

<https://www.hspph.harvard.edu/c-change/>

Responsibilities include:

- Working on a multi-university collaborative team
- Health impact analysis using a novel framework, using output from the Community Multiscale Air Quality (CMAQ) model
- Producing outreach materials, including maps, fact sheets, and presentations
- Contributing to a number of scientific manuscripts
- Communication and outreach to stakeholder groups including environmental justice groups, NGOs, and policymakers

Required:

- Doctoral degree in environmental health, public health, atmospheric/environmental sciences or engineering, or related field
- Strong data analysis/science/statistical skills
- Experience working with geographical information systems (GIS)
- Ability to work independently
- Strong writing and communication skills

Preferred:

- Previous experience with quantitative health impact assessment of air pollution
- Familiarity with BenMAP
- Familiarity with the R programming language
- Experience working with large interdisciplinary teams

Term:

One year term with strong likelihood of renewal.

Benefits:

The University offers a total compensation package that is competitive with the very best of our peer institutions. As a Postdoctoral Fellow at Harvard, you have an array of benefits, services, facilities, and discounts at your disposal to help keep you and your family healthy, assist you with housing and transportation, and support you in finding and financing child care. Harvard provides resources to help you balance work and life. Through the Employee Assistance Program (EAP), you and household members may access free, confidential resources to deal with changes and challenges in your personal or professional life. Your Harvard ID provides access to Harvard's world-class libraries and museums, athletic facilities, as well as discounts to recreational and cultural activities in the Cambridge/Boston area.



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Harvard is an Affirmative Action / Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law.

To apply:

Please submit a CV and brief cover letter detailing relevant experience and reason for interest in the project to Dr. Jonathan Buonocore. Please also send the names of three references.

Jonathan Buonocore, Sc.D.

Research Scientist

Harvard Chan Center for Climate, Health and the Global Environment

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