



# BROWN

## School of Public Health

### POSTDOCTORAL RESEARCH ASSOCIATE IN CHILDREN'S ENVIRONMENTAL HEALTH

Dr. Joseph Braun, Associate Professor of Epidemiology, and his team are seeking a Postdoctoral Research Associate (100% FTE for at least 2 years) interested in investigating the health effects, biological pathways, and sources of environmental chemical exposures in pregnant women, infants, children, and adolescents. The postdoctoral research associate will work with a team of investigators from institutions across North America on a NIH-funded project examining prenatal perfluoroalkyl substance (PFAS) exposure, metabolomics, and adolescent cardiometabolic health.

Responsibilities include a) designing and interpreting epidemiologic studies; b) conducting biostatistical analysis; c) assisting with the design, execution, and interpretation of laboratory assays and experiments to ensure rigorous and robust metabolomics results; d) drafting manuscripts for peer-reviewed publications; e) submitting and presenting abstracts at scientific meetings; and, f) overseeing data documentation and processing, including processing and curation of metabolomics data.

The commitment for the position is 2-3 years. The Department of Epidemiology is interested in qualified candidates who have demonstrated commitment to excellence by providing leadership in teaching, research or service toward building an equitable and diverse scholarly environment.

Position Requirements: 1) PhD, ScD, or DrPH in epidemiology, biostatistics, or a related field in public health or bioinformatics; 2) Methodological training in epidemiologic methods, environmental health, and/or biostatistics, preferably with knowledge of chemical exposures, cardiometabolic health, children's health, and/or metabolomics; 3) Advanced data management and analysis skills and experience (e.g., SAS, R), preferably conducting metabolomics or other high-dimensional data management and analysis (e.g., xMSanalyzer, mummichog); 4) Peer-reviewed publications, preferably related to environmental health or metabolomics; 5) Strong writing skills.

Salary: Salary is competitive and commensurate with experience. Including a competitive full-time benefits package.

Start Date: June 1, 2022 or sooner

How to Apply: Candidates should apply with a cover letter (summarizing research experience, qualifications, and career goals, as well as addressing the reasons for their interest in the position and their commitment to diversity, equity and inclusion, and/or how they intend to show this commitment in future work through scholarship, teaching, mentoring, service and community engagement), curriculum vitae, and sample publication or equivalent. Candidates should apply online at: <http://apply.interfolio.com/100782>. Please indicate in your letter of application the search number (PH-297). Candidates should also provide the names and email addresses for three individuals familiar with their work who can be contacted for recommendations. Only those applicants who are selected for interviews will be directly contacted.

Application Deadline: This position will remain open until a qualified applicant is found.

Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, race, color, sex, age, national or ethnic origin, disability, veteran status, sexual orientation, gender identity, gender expression, or any other characteristic protected under applicable law.



# BROWN

School of Public Health

## DEPARTMENT of EPIDEMIOLOGY

Joseph M. Braun, RN, MSPH, PhD

Associate Professor

Director, Center for Children's Environmental Health

December 3, 2021

Dear Colleague:

I am writing to request your assistance in the recruitment of a Postdoctoral Research Associate at the Brown University School of Public Health. The position will be affiliated with the Department of Epidemiology and the Centers for Children's Environmental Health. The position will be full-time (100% FTE for at least two years) and supported by a recently NIH-funded R01 grant focused on prenatal perfluoroalkyl substance exposures, metabolomics, and child cardiometabolic health. The postdoctoral research associate will work with a team of investigators from the US and Canada studying the patterns, determinants, and health effects of perfluoroalkyl substances.

The Postdoctoral Research Associate will a) conduct biostatistical analyses of epidemiological and metabolomics data, b) produce high quality scientific papers, c) assist in grant writing, d) assist students or fellows with their projects, and e) become a critical member of a research team.

We seek the following qualifications:

- PhD, ScD, or DrPH in epidemiology, biostatistics, or a related field in public health or bioinformatics.
- Methodological training in epidemiologic methods and biostatistics.
- Basic data analysis and management programming skills and experience (e.g., SAS, R).
- Peer-reviewed publications in epidemiological or public health journals.
- Strong writing skills.
- Content knowledge in environmental health, cardiometabolic health, children's health, and/or metabolomics.
- Peer reviewed publications in environmental health or metabolomics.
- Understanding of or experience with metabolomics or other high-dimensional data management and analysis (e.g., xMSanalyzer, mummichog).

The preferred start date for the position is June 1, 2022; however, an earlier start date can be negotiated. The Department of Epidemiology is interested in qualified candidates who have demonstrated commitment to excellence by providing leadership in teaching, research or service toward building an equitable and diverse scholarly environment. Review of applications will begin immediately and will continue until the position is filled or the search is closed. Candidates should apply with a cover letter (summarizing research experience, qualifications, career goals, as well as addressing the reasons for their interest in the position and their commitment to diversity, equity and inclusion, and/or how they intend to show this commitment in future work through scholarship, teaching, mentoring, service and community engagement), curriculum vitae, sample publication or equivalent, and the names and contact information for 3 references. We value the different ways this might be demonstrated including in scholarship,

teaching, mentoring, service and community engagement. Candidates should apply online at: <http://apply.interfolio.com/100782>. Please indicate in your letter of application the search number (PH-297).

Sincerely,



Joseph M. Braun, RN, MSPH, PhD  
Associate Professor of Epidemiology