



POSTDOCTORAL OPENING: AIR POLLUTION AND MORTALITY USING CAUSAL INFERENCE METHODS

The Department of Epidemiology, Biostatistics and Occupational Health at McGill University invites applications for a postdoctoral fellowship in environmental epidemiology. McGill University is a top-ranked research university located in Montreal, Canada. The selected applicant will work in a dynamic research group studying the health impact of exposure to environmental chemicals (such as pesticides, plasticizers and flame retardants) and air pollution in vulnerable populations such as pregnant women and children. Health outcomes of interest include communicable (e.g. respiratory infections, immune response to vaccines, allergies) and chronic (obesity, endocrine effects, pubertal development) conditions. Most immediate needs concern a study of the impact of air pollution on immune response to vaccines. The fellow will be expected to produce original research and contribute to the coordination of data collection activities for the Venda Health Examination of Mothers, Babies and their Environment (VHEMBE), a birth cohort of 751 South African mother-child pairs exposed to household air pollution and insecticides used for malaria control. Opportunities to work on studies investigating the impact of exposure to novel plasticizers (e.g. phthalates), flame retardants (e.g. organophosphate esters) and phenols (e.g. bisphenol A, F, S) on fertility and child health in South Africa and Canada, and on research regarding chemical exposure among firefighters are also available. The postdoctoral fellow will work under the supervision of Dr. Jonathan Chevrier.

For more details about Dr. Chevrier's works, see <http://jchevrier.weebly.com>

Duties

The postdoctoral fellow will be expected to conduct data analysis and publish original research in peer-reviewed journals. Other duties include support for more junior trainees as well as contributions to data collection activities for the VHEMBE study.

Qualifications

Required

- Doctoral degree in epidemiology, public health, environmental health sciences or equivalent. Applicants who do not have a completed Ph.D. at the time of application must include a letter from their Department Chair specifying the date of their dissertation defense.
- Strong understanding of biostatistics and epidemiological methods.
- Excellent data analysis/programming skills in SAS, STATA and/or R.
- Excellent communication skills (oral and written) in English.
- Ability to work independently with occasional supervision.
- Demonstrated publication record in environmental health sciences.
- Ability to take initiative, creativity, attention to details and commitment to producing high quality work.



Preferred

- Experience in data collection/Study coordination.
- Knowledge of STATA.

Term

Funding is available for 1-2 years but the fellow will be expected to apply to the FRQS and CIHR for postdoctoral scholarships.

Salary

Salary will be based on qualifications and experience.

Start date

As soon as possible. Ideally, before the fall of 2023.

To apply

Please submit a cover letter that includes a description of current research, future plans for research and professional goals, a curriculum vitae, 2-3 samples of scholarly writing (published, under review or in preparation) and the name of 3 references (including the Ph.D supervisor) to Dr. Jonathan Chevrier at jonathan.chevrier@mcgill.ca.

Notes

- Review of applications will begin on June 30, 2023 and will continue until the position is filled. If degree has not been granted, applicants must have plans to receive their degree by August 2023 at the latest.
- Candidates' eligibility to hold a Postdoctoral Research Fellowship expires 5 years after the date on which their PhD was awarded, regardless of when they are hired. Be sure to refer to the following link for further information on eligibility criteria:
<http://www.mcgill.ca/gps/postdocs/fellows/registration/eligibility>.
- Any offer to non-Canadian citizens/non-permanent residents is contingent on the candidate obtaining a work permit after an offer has been made and a letter of invitation sent, see:
<http://www.mcgill.ca/gps/postdocs/international/workpermit>