

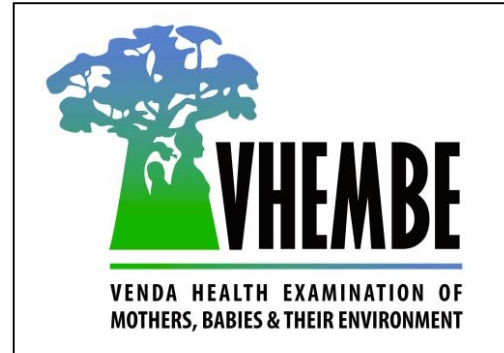


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**POSTDOCTORAL OPENING: VHEMBE STUDY**

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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 on the Venda Health Examination of Mothers, Babies and their Environment (VHEMBE), a birth cohort study investigating the health impact of exposure to insecticides used for Indoor Residual Spraying (IRS) in South African children. A



total of 88 countries currently conduct IRS, the use of insecticides on the interior walls of residences to control malaria, thereby protecting 120 million people from malaria but also subjecting them to elevated insecticide exposures with poorly understood health consequences. Opportunities to work on a study investigating the impact of exposure to brominated flame retardants on human fertility as well as on the impact of aging on male reproductive outcomes are also available. The postdoctoral fellow will work under the supervision of Dr. Jonathan Chevrier.

**Duties**

Duties will fall under two axes: 1) Contribution to data collection efforts, and 2) Production of original research.

**1) Data collection:** Under Dr. Chevrier's guidance, the postdoctoral fellow will work closely with the VHEMBE field coordinator in South Africa to remotely supervise field activity, ensure data quality and integrity by generating progress and quality control reports and resolving discrepancies, assist with questionnaire and protocol design and with submission to ethics committees.

**2) Research:** The postdoctoral fellow will be expected to conduct data analysis and publish original research in peer-reviewed journals concerning the health impacts of exposure to IRS insecticides on child health and development as well as conduct data analysis for other projects.

**Qualifications**

Required

- Doctoral degree in epidemiology, public health, environmental health sciences or equivalent.
- 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.



**McGill**

Department of Epidemiology, Biostatistics and Occupational Health  
Département d'épidémiologie, biostatistique et santé au travail

- Open to the possibility of traveling to South Africa for a short period.
- Ability to take initiative, creativity, attention to details and commitment to producing high quality work.

**Preferred**

- Experience/Interest in advanced statistical methods such as causal inference methods (marginal structural models and g-computation) and mediation analysis.
- 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.

**Start date**

October 2015 or as soon as the selected candidate is available.

**To apply**

Please submit a cover letter, a current CV and 2-3 papers (published, under review or in preparation) and the name of two references (including the Ph.D supervisor) to Dr. Jonathan Chevrier at [jonathan.chevrier@mcgill.ca](mailto:jonathan.chevrier@mcgill.ca).

For more details about Dr. Chevrier's works, see <http://jchevrier.research.mcgill.ca>