POST-DOCTORAL FELLOW POSITION
YORK UNIVERSITY

Job Information
<table>
<thead>
<tr>
<th>Position Title</th>
<th>Post-doctoral Fellow in Children’s Environmental Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Post-doctoral visitor (PDV)</td>
</tr>
<tr>
<td>Duration</td>
<td>2 years, with the possibility of renewal up to 4 years</td>
</tr>
<tr>
<td>Supervisor(s)</td>
<td>Dr. Christine Till, Dr. Bruce Lanphear</td>
</tr>
<tr>
<td>Unit</td>
<td>Department of Psychology, Faculty of Health</td>
</tr>
<tr>
<td>Location</td>
<td>York University, Toronto</td>
</tr>
</tbody>
</table>

Background
The Till Lab at York University in Toronto invites highly motivated candidates to apply for an NIH-funded post-doctoral fellowship. This is a two-year appointment with opportunities for career development and research in the field of children’s environmental health.

The primary focus of the post-doctoral fellowship will be on a study called “TOOTH FAIRY”: Timing of Optimal Thyroid Hormone, Fluoride and Iodine Research in Youth. This project investigates mechanisms of fluoride neurotoxicity, including disruption to thyroid hormones, in a Canadian pregnancy and birth cohort: Maternal Infant Research on Environmental Contaminants (MIREC). MIREC offers a multi-disciplinary platform for conducting epidemiologic and public health research related to maternal and child’s health.

Ongoing projects in our lab range from analysis of fluoride sources during pregnancy and early childhood to modeling dose-response neurobehavioral outcomes in relation to prenatal and postnatal exposure to fluoride. Opportunities for new areas of research, such as developmental immunotoxicity, use of primary teeth to reconstruct exposure history, and endocrine disruption related to other neurotoxicants, are also available. We work with different cohorts from Canada, the United States, and Mexico City, which permits hypothesis testing across independent samples.

The lab is a highly collaborative environment. The post-doctoral fellow will work closely with Dr. Till (neuropsychologist) and will be part of an interdisciplinary team of environmental health scientists (Dr. Lanphear), epidemiologists (Dr. Chevrier), and dental scientists (Dr. Arora). The post-doctoral fellow will have access to resources and infrastructure at York University, including the LaMarsh Centre for Child and Youth Research. More information about our research team can be found at: https://tilllab.wixsite.com/mysite-2

Overall Purpose of Postdoctoral Position
In collaboration with our research team, the candidate will develop and lead a high-quality research project that will complement and advance our research on fluoride, including expanding the network of collaborators. The candidate will have opportunities to conduct epidemiologic and public health research in relevant topics, such as measurement of fluoride biomarkers (urine, toenails, tooth biomatrix), mechanisms of fluoride neurotoxicity, associations with cognitive and behavioral outcomes or other health outcomes in humans, or policy-relevant work.
**Key Responsibilities**
The post-doctoral fellow will be responsible for developing and leading a research project(s), participating in external professional activities (i.e. writing manuscripts in collaboration with co-investigators, attendance/participation in professional conferences), mentoring graduate and undergraduate students, contributing to knowledge dissemination of our research, and maintaining active collaborations with other labs and universities.

**Skills and Qualifications**

**Educational Qualifications**
Candidates should have an MD or PhD in Psychology, Epidemiology, Public Health or another relevant discipline with previous research experience and interest in environmental health. Candidates with interdisciplinary research approaches and collaborations will be given special consideration.

**Training/Experience Required**
The ability to independently conduct internationally significant research in the field with potential for excellence and leadership in research. The candidate should have advanced skills in quantitative statistics; analysis of longitudinal cohort studies is highly desirable. Research experience with endocrine disrupting chemicals is not essential but would be an asset. The position requires excellent written and oral communication skills with proficiency in English, exceptional organizational skills, and experience in collaborating with international scientific networks. We are looking for a candidate who thrives in a collaborative environment that also requires independence, and a proactive approach to learning.

**Terms and Conditions**
This postdoctoral position based in the Department of Psychology at York University will be up to 4 years in length. The candidate will receive strong mentorship in further developing their own independent program of research and grant development.

**How to Apply**
Please email the following documents to Dr. Christine Till (ctill@yorku.ca).

- A cover letter explaining **why you are applying** to the position and **why you would be particularly suited** to it. A description of any proposed research plans would be helpful.
- Curriculum Vitae
- Names, positions, and contact details of three professional references.

Application materials will be reviewed as they are received, and well-qualified candidates will be contacted for a video interview. The position is available immediately and does not necessitate moving to Toronto.

**Additional Information:** All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.