



SEEKING: GRAD STUDENTS AND POSTDOCS

Various positions (PhD & MSc degrees; postdoctoral fellows) available ASAP at McGill University (Montreal, Canada) that span a range of disciplines including but not limited to toxicogenomics, bioinformatics, alternative testing models, chemicals management and policy, risk assessment and informed substitution, and environmental epigenetics. Training opportunities will be slotted into one of several large-scale research projects that consist of scientists and end-users from across universities, the private sector, and government laboratories and management offices (e.g., EcoToxChip project- <https://www.genomecanada.ca/en/ecotoxchip-toxicogenomics-tool-chemical-prioritization-and-environmental-management>; McGill Sustainability Systems Initiative - <https://mcgill.ca/msi/creating-sustainable-materials-future>). Recruited trainees will have ample opportunities to work on focused projects with a team of ecotoxicologists, big data specialists, social scientists, and regulators/end-users. For all positions a competitive fellowship/salary will be offered based on experience and qualification.

Many options exist and select examples of immediate opportunities are listed below. Individuals interested in opportunities should send an email to the contact listed below with the following information bundled into a single PDF file: A) Cover letter (< 1 page max) expressing key qualifications, specific research interests, and a brief personal statement; B) Transcripts of past degrees (unofficial is OK); C) CV or detailed resume; and D) List of three professional references including their contact information (< 1 page max) so that we can follow-up.

Title: Postdoctoral Fellow or PhD to study trans-omic responses (i.e., RNA-seq, proteomics, metabolomics). Requirements: The candidate is expected to have a MSc or PhD degree with a solid background in toxicogenomics and molecular biology. Other assets include: understanding of ecotoxicology, statistics, big data, and bioinformatics. Contact Prof. Nil Basu (niladri.basu@mcgill.ca) or Prof. Jessica Head (Jessica.head@mcgill.ca)

Title: Postdoctoral Fellow or Research Associate Requirements: The candidate is expected to have a PhD or MSc degree with training in database management (MongoDB) with solid programming skills in Java and R. Other assets include: understanding of RNAseq, web interface development. Contact: Prof. Jeff Xia (jeff.xia@mcgill.ca)

Title: PhD student to study epigenetics (AhR-mediated responses) in avian models exposed to contaminants. Requirements: The candidate is expected to have a MSc degree with training in Biochemistry and/or Molecular Biology. Contact: Prof. Jessica Head (Jessica.head@mcgill.ca)

Title: MSc student to study early-life effects of contaminant exposure in the endangered copper redhorse using lab- and field-based fish models, and in collaboration with government researchers. Requirements: The candidate is expected to have some training in Biochemistry and/or Molecular Biology. Contact: Prof. Jessica Head (Jessica.head@mcgill.ca)

Title: Postdoctoral Fellow in *in vitro* toxicology. Requirements: The candidate is expected to have a PhD degree with a solid background in cell/molecular biology as it pertains to the development and utilization of *in vitro* methods to characterize risks of chemicals and materials. Other assets include: understanding of chemicals management, systems-based approaches, trans-disciplinary collaborations with green chemists, engineers, and social scientists. Contact Prof. Nil Basu (niladri.basu@mcgill.ca)