Postdoctoral Fellowship in Soil Organic Matter Biogeochemistry at the University of Toronto  
Scarborough

A two-year postdoctoral research position in Soil Organic Matter Biogeochemistry is available in the research group of Professor Myrna Simpson at the University of Toronto (Scarborough Campus). The successful candidate will participate in molecular-level studies of soil organic matter composition in varying environments and with long-term ecosystem manipulations (litter manipulation, soil warming and nitrogen addition). Candidates may also participate in mechanistic studies pertaining to soil organic matter – mineral interactions and the composition of soil organic matter in different soil physical fractions.

Applicants should have a strong publication record and a PhD in Environmental Chemistry or Soil Chemistry or Organic Geochemistry or a closely related field. Applicants with previous experience in organic matter characterization will be given preference. Previous NMR experience is also beneficial but not essential as candidates will receive full hands on training. Successful candidates will have access to state-of-the-art NMR and MS equipment in the Environmental NMR Centre which houses three unique, hyphenated 500MHz NMR spectrometers specially designed for environmental applications. Prof. Myrna Simpson’s research laboratory recently moved to a new research building with new labs and office space for group members as well as dedicated instrument rooms. Prof. Simpson’s research laboratory houses a fully automated LC, GC-MS, GC with preparative fraction collector, and a new LC-MS/MS as well as other support equipment. More information about the M. Simpson research group can be found at: www.utsc.utoronto.ca/~msimpson.

Interested applicants should send a cover letter, CV, and the name of 3 referees to: Prof. Myrna Simpson (myrna.simpson@utoronto.ca). Candidates should have a demonstrated publication record from their MSc and/or PhD research. The position is available as of August 1, 2019 and will remain open until filled.