

CHEMISTRY and CHEMICAL BIOLOGY



18 February, 2021

Re: Postdoctoral Fellow in MS-based Metabolomics for Nutritional Epidemiology and Global Health.

The Position:

We are recruiting a *postdoctoral fellow* with a strong analytical chemistry background in high resolution mass spectrometry and bioinformatics/statistical analysis for metabolomics. McMaster University is the premier research-intensive university based in Hamilton (Canada) that is a pioneer in evidence-based clinical medicine. The Britz-McKibbin group (<https://britz.mcmaster.ca/>) is also a member of The Metabolomics Innovation Centre (<https://www.metabolomicscentre.ca/>) with expanding interests in large-scale nutritional epidemiology and exposomics research. Metabolomic projects will comprise research collaborations with epidemiologists, clinical investigators and nutritional scientists with access to rich clinical meta-data and biobanked specimens collected from participants worldwide. The validation of novel dietary and smoke exposure biomarkers will support the development of evidence-based public health policies applicable to diverse populations for chronic disease prevention.

Qualifications:

The candidate must hold a PhD in analytical chemistry, biochemistry or related fields with experience in mass spectrometry-based metabolomics, chromatography, capillary electrophoresis, and/or NMR. Familiarity with standardized sample workup protocols, analytical method validation, as well as bioinformatics tools and computing language (R, Python) are strongly desired. Excellent communication and organization skills are also desired when leading team projects, including manuscript writing and data analytics with stringent quality control.

Recruitment and employment:

The candidate will be offered a full-time PDF position for 1 year (renewable for a second year) with a tentative start date May 3, 2021. Remuneration will be commensurate with the candidate's qualifications and experience. Only shortlisted candidates will be notified.

How to apply:

Email your CV including names and contact information for 2-3 references to Dr. Britz-McKibbin.

Sincerely,

A handwritten signature in blue ink, appearing to read "Philip Britz-McKibbin".

Dr. Philip Britz-McKibbin
Professor and Cystic Fibrosis Canada Researcher
Department of Chemistry and Chemical Biology
McMaster University
Hamilton, ON, Canada
E-mail: britz@mcmaster.ca
Webpage : <https://britz.mcmaster.ca/>