

Postdoctoral Fellow Position in Natural Products Research

The Linington research group has an immediate opening for a postdoctoral fellow to join their growing program in natural products and chemical biology. Located in the Department of Chemistry at Simon Fraser University in Vancouver, the Linington research program is focused on the application of contemporary biological and chemical profiling strategies in natural products research. Research in this program centers on two main themes: 1) the development of novel methods in untargeted chemical profiling using state-of-the-art mass spectrometry and nuclear magnetic resonance spectroscopy tools and 2) the creation of novel high-content bioassay platforms for the detailed biological annotation of bioactive natural products. By integrating results from these two platforms we aim to develop new tools for the discovery of next-generation chemical probes and lead compounds for therapeutic development.

This postdoctoral research position will focus on the development of integrated discovery tools in natural products research. Specifically, the project will focus on the development and application of new methods to integrate multi-parametric biological screening data with untargeted metabolomics analysis of natural products extracts. The objective of this project is to develop methods that will permit the prediction of the identities and biological functions for bioactive constituents directly from natural product extract screening data.

The ideal candidate will possess a strong knowledge of natural products isolation and structure elucidation methods, and will have a working knowledge of computer programming in one or more languages (Python preferred; basic knowledge of MySQL an asset). Prior experience in bacterial microbiology for natural products applications is an advantage, but not required. The position is initially available for 12 months, extendable annually contingent upon satisfactory performance evaluations and continued available funding. Salary commensurate with experience.

The Department of Chemistry is located on the Burnaby campus of Simon Fraser University at the edge of Vancouver, British Columbia. The department is housed in a newly renovated building and is equipped with an excellent suite of core resources (NMR, MS, X-ray etc). With a cohort of ~120 graduate students, ~30 postdoctoral fellows, a strong tradition of collaborative interactions between research groups, and an outstanding local environment for recreation, fellows will find SFU an exciting and stimulating place to work and play.

SFU Postdoctoral Fellows website: <https://www.sfu.ca/dean-gradstudies/postdocs.html>

Linington Lab website: <http://linington.chem.sfu.ca/>

Interested candidates are encouraged to send a CV, cover letter and contact details for two referees to Prof. Linington (rliningt@sfu.ca).

