

**Institution/Company:** University of British Columbia (UBC)

**Location:** Vancouver, BC, Canada

**Job Description:** As part of the Data Science Institute at UBC, we are looking for a motivated postdoctoral fellow with a background in Bioinformatics, Computational Biology, or Machine Learning, with an interest in genetics and genomics of environmental exposures. The postdoctoral fellow will lead an innovative and collaborative project on jointly modeling multiple types of omics data, including polymorphisms, epigenomics, transcriptomics, proteomics and metabolomics, derived from experimental controlled human exposures to inhaled perturbants such as air pollution and allergens. The goals are to overcome informatics/computational challenges inherent to these data and, as a result, to better understand the biology of the human response to these exposures.

This project is a collaboration between the Computational Biology and Genomics Laboratory (PI: Sara Mostafavi) and the Air Pollution Exposure Laboratory (PI: Christopher Carlsten) at UBC. The ideal postdoctoral fellow will have the opportunity to spend time at the labs of both of the PIs.

The ideal candidate for this position will have:

- a PhD in a quantitative discipline (computer science, statistics or biostatistics is preferred) by the start of the postdoc
- a strong publication record (at least two published peer-reviewed papers and one other in preparation)
- an interest in designing models and algorithms for solving biological problems
- familiarity with one or more types of “omics” data
- advanced knowledge of Python, MATLAB, or R, and a scripting language (e.g., working with Unix shell)

The position is for a duration of up to 2 years, renewed yearly. Compensation, including generous benefits, is competitive and commensurate with experience. A complete application should include a statement of interest, a CV, and the names of 2 references. Please submit applications to Sara Mostafavi ([saram@stat.ubc.ca](mailto:saram@stat.ubc.ca)) and Christopher Carlsten ([carlsten@mail.ubc.ca](mailto:carlsten@mail.ubc.ca)), with “Postdoctoral fellowship” in the subject line. The starting date of the position is January 3rd, 2017. The position will remain open until filled.