Job title: Biostatistician

Department: Centre for Health Evaluation and Outcome Sciences (CHÉOS) at the Providence Health Care Research Institute (PHCRI)

Location: St. Paul’s Hospital, Vancouver, BC

Desired Start Date: As soon as possible

Salary: Salary commensurate with experience

Full/Part-time: Full-time

Application Closing Date: Posted until filled

How to Apply: Interested candidates should email their CV with cover letter to hr@cheos.ubc.ca

Job Summary
The Biostatistician position is a senior level statistical role responsible for providing statistical, methodological, and analytic support/direction to interdisciplinary researchers. Primary responsibilities include: conducting independent research in adaptive clinical trial design; assisting researchers with the design of research studies (both observational and randomized trials); developing statistical analysis strategies; performing data analysis; and authoring the methods sections in grant applications, research reports, and publications.

The Biostatistician operates in a multi-site, multi-specialty, health care environment. The incumbent works closely with CHÉOS staff including faculty members, physicians, epidemiologists, research coordinators, data managers, data entry clerks, programmers, statisticians, graduate students, and administrators.

Located at St. Paul’s Hospital, CHÉOS is an interdisciplinary collective founded to pursue excellence in health outcomes research. In addition to conducting its own research, the Centre’s other primary function is to offer methodological expertise to other researchers, including assistance with study design, statistics, health economics, data management, and grant facilitation for both health outcomes research and clinical trials. The Centre consists of 45-50 faculty members and 130-150 staff and research personnel. The Centre also currently manages three staffed, off-site research offices across the province.

Work Performed
- Perform in-depth statistical modeling of health data, using conventional, Bayesian, and other advanced mathematical methods.
- Collaborate with investigators on the design, conduct, analysis, and reporting of clinical trials and observational studies.
Conduct independent research on Bayesian adaptive trial design methodology.

In conjunction with senior management, provide leadership for statistical activity across the Centre by setting priorities and delegating work activities to other members of the research team.

Supervise and mentor junior statisticians.

Present results in meetings and at conferences.

Contribute to educational workshops on statistics at the Centre, as needed.

Supervision Received
The Biostatistician works independently under minimal supervision from the Data & Methodology Program Head and Associate Head.

Supervision Given
This position includes supervision and mentoring of junior statisticians.

Consequence of Error/Judgement
The position requires exceptional statistical judgment to identify and recommend sound analytic techniques for research projects. Error would result in publication of inadequately analyzed data, as well as the loss of productivity for the investigators, the potential loss of renewal of grant funding and damage to the Centre’s reputation.

Working Conditions
The applicant will be working in CHÉOS located at St. Paul's Hospital. The incumbent will be provided with appropriate work space. Travel to meetings and conferences may be required from time to time.

Qualifications
• PhD in Statistics or Biostatistics.
• Expertise in Bayesian analysis and MCMC methods.
• Strong statistical programming skills (C++, R, etc.).
• Knowledge of clinical trial design, especially adaptive designs.
• Broad statistical knowledge including methods for causal inference, longitudinal modeling, and missing data.
• Ability to contribute substantially to the writing of statistical analysis plans and statistical reports, manuscripts, abstracts and other documents reporting study findings.
• Effective oral and written communication skills and the capacity to function effectively on interdisciplinary project teams.
• Ability to prioritize work and meet deadlines.
• Preference will be given to candidates with at least two years of collaborative experience in a healthcare research setting.

CHÉOS hires on the basis of merit and are committed to employment equity. All qualified persons are encouraged to apply. CHÉOS is strongly committed to diversity and welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of any sexual orientation or gender identity, and others who may contribute to the further diversification of ideas. Canadians and permanent residents of Canada will be given priority.

Only candidates shortlisted will be contacted.