

Post-Doctoral Fellowship (SIMAH) Job Posting - URGENT

The Institute of Mental Health Policy Research (IMHPR), Centre for Addiction and Mental Health (CAMH), is seeking to **hire a full-time postdoctoral fellow** to work on the project **“A microsimulation of alcohol control interventions to advance health equity and reverse the current decrease in life expectancy in the US” (SIMAH; 1R01AA028009-01A1).**

ABOUT THE CENTRE FOR ADDICTION AND MENTAL HEALTH (CAMH)

As a teaching hospital and research centre fully affiliated with the University of Toronto, the Centre for Addiction and Mental Health (CAMH) is in a unique position to contribute to one common goal – better understanding prevention and care for people living with these issues. As one of the few research centres of its kind, CAMH plays a leadership role locally and internationally in research aimed at understanding addiction and mental illness, their inter-relationship, and the relevant social determinants of health. The excellence and range of research activities is a hallmark of CAMH’s identity and is key to a better future for those living with addiction and mental health illness. CAMH brings together internationally recognized neuroscientists, clinical and social scientists with state-of-the-art facilities, a range of professional training, and a province-wide network of community program staff. As a result, CAMH has a unique capacity to focus its research agenda on the most pressing scientific and social issues and translate new knowledge into action.

ABOUT SIMAH

This 5-year project is a major international alcohol policy modelling project funded by the US National Institute on Alcohol Abuse and Alcoholism, featuring a collaboration between researchers at three world-leading centres in alcohol studies and policy modelling: CAMH, the Alcohol Research Group at the Public Health Institute in California, and the Sheffield Alcohol Research Group at the University of Sheffield, UK. SIMAH aims to investigate the role of alcohol use in the stagnation and following decline in life expectancy in the US, with a focus on socioeconomic status and race/ethnicity as modifying factors on the link between alcohol use and mortality.

ABOUT THE FELLOWSHIP

Reporting to the SIMAH lead, the successful candidate will be working as part of an interdisciplinary team. The successful candidate will be assigned to work on advanced statistical analyses related to the microsimulation model as well as several secondary data analyses including diverse data sources. Specifically, the successful candidate will:

- Conduct advanced statistical analyses (e.g., effect modification analyses, Markov chain Monte Carlo models) to investigate the associations between socioeconomic status and race/ethnicity, alcohol use, and cause-specific mortality.
- Contribute to the parameterization of the microsimulation model using diverse secondary data sources.
- Contribute to systematic literature reviews and data synthesis.
- Present epidemiological findings to academic and non-academic audiences.

- Lead the write-up of the epidemiological research for high-quality journal publication, and contribute to other papers being written by the SIMAH team.
- Actively participate in regular team meetings and monthly all-project meetings for SIMAH.

The successful candidate will support a healthy workplace that embraces diversity, encourages teamwork, and complies with all applicable and regulatory requirements. This position will be located at 33 Ursula Franklin Street.

Qualifications:

- The successful candidate will have a PhD in Statistics, Biostatistics, Epidemiology, Economics, or other Social Science related disciplines, and have an interest in mental health and addiction research and strong quantitative research skills in study design, measurement, and data analysis.
- Advanced working knowledge in using R is required (R knowledge may be tested during the interview process), knowing multiple statistical software applications including SAS would be considered an asset.
- The candidate must have advanced knowledge in statistics and an advanced understanding and application of concepts and techniques in epidemiological and policy research methods in the area of health.
- Experience in advanced statistical analyses, including individual-level statistical modelling is required, and will also be tested during the interview process.
- Demonstrated ability to write academic texts; and the ability to formulate materials suitable for wider audiences is an asset.
- The ability to work in a diverse, international, multidisciplinary team setting and also independently is a must.

TERMS OF AWARD

- The Postdoctoral Fellowship is initially limited to a one-year period. The Fellowship can be renewed for another year.
- Candidates must have a relevant PhD at the time they take up the appointment.

INSTRUCTIONS FOR APPLICATION

Applications should include EACH of the following:

1. Cover letter indicating your interest in and qualifications for the position.
2. A current curriculum vitae.

Please submit all application materials electronically, with clear labels, to charlotte.probst@camh.ca. Applications will be reviewed until June 30th, 2021 or until the positions is filled.