

Postdoctoral Fellow

The Nicotine Dependence in Teens (NDIT) study (<https://www.celphie.ca/ndit>) is a longitudinal investigation of 1294 participants age 12 years recruited in 1999-2000 in 10 Montreal-area high schools. Its primary objective is to investigate nicotine dependence in relation to cigarette smoking. It also includes repeated measures of lifestyle variables and physical and mental health, as well as genetic data. NDIT, which is led by two Principal Investigators, Marie-Pierre Sylvestre and Jennifer O'Loughlin, is an interdisciplinary, inter-university infrastructure that has yielded over 130 publications and 250 conference presentations to date. It is part of the *Coalition for Early Life course studies supporting Public Health Intervention and Evaluation* (www.CELPHIE.ca/ndit).

We are currently conducting the 25th data collection cycle in NDIT, in which participants are age 35 years on average. NDIT has recently received funding from the Canadian Institutes of Health Research (CIHR) to investigate cannabis use and mental health, and we are now recruiting a **Postdoctoral Fellow** who will lead research activities that incorporate the newest data collection. In agreement with the Principal Investigators, the postdoctoral fellow will carry out research projects which build on their methodological, biostatistical and substantive expertise. The research may be etiological, descriptive, or methodological.

This is a full-time contract, 35h/week, 1-year renewable, offered as a bursary starting on Dec 1st 2022. The amount will be based on qualifications and experience.

The NDIT team is located at the University of Montreal Hospital Research Centre (CRCHUM), which is one of the largest French-language research centres in North America. As a university hospital affiliated with Université de Montréal, CHUM has a mission focused on care, research, teaching, health promotion and advancement of technology and treatment methods in health care. As the venue for a very active scientific life, dozens of conferences and scientific activities are held each week at CRCHUM, including seminars, thesis defenses and weekly CRCHUM conferences at which internationally renowned researchers present their latest work.

Duties & Responsibilities

1. Authorship on journal articles using NDIT data:

- Conduct ongoing reviews of relevant literature on substance use and co-use and the associations between substance use and mental and physical health;
- Develop novel research ideas and design scientific studies to address knowledge gaps and complex problems;
- Select appropriate techniques/methods to analyze data and provide interpretations of the findings;
- Write manuscripts for publication as first author (i.e., draft the manuscript, incorporate comments from co-authors, and lead the review process based on comments from reviewers;

- Guide and mentor students on how to conduct research/analyses and how to publish their work
 - Present findings at local, national and/or international meetings/conferences as well as in knowledge-sharing events with public health practitioners and policy makers
2. Participation in CELPHIE-related activities
 - Lead CELPHIE meetings and research rounds, providing insightful and intellectual discussion and presentations
 - Use expert knowledge to contribute to institutional activities (e.g., judging poster competitions, participating in protocol-building activities, mentoring students)
 - Network and collaborate with other researchers to remain abreast of new developments in research and to exchange information
 3. Maintain up-to-date knowledge and understanding of research ethics, regulations and policies, remaining in full compliance with all applicable policies for ethical conduct

Qualifications

- PhD in epidemiology, biostatistics or a closely related discipline OR within ≤ 2 months of completing a recognized Doctoral degree.
- Excellent quantitative research skills with knowledge of epidemiologic and biostatistical methods for longitudinal studies.
- Excellent written and oral communication skills especially strong scientific writing skills.
- Experience in preparing manuscripts and presenting data
- Effective communication and interpersonal skills
- Ability to work independently and as part of a team
- Ability to pay close attention to detail
- Effective mentoring and coaching skills
- Ability to make decisions (within the scope of relevant authority)

Interested candidates should submit a cover letter, a resume and contact information for two references in a PDF document to Marie-Pierre Sylvestre at marie-pierre.sylvestre@umontreal.ca by November 25, 2022.