Project title	Data valorization from the I-care and Resiliency studies
Level(s)	☐ Master ☐ PhD ☒ Postdoctoral fellow
Research Supervisor	Sylvana Côté, School of Public Health, Université de Montréal
Project duration	1 year (renewable)
Start date	January-February, 2024

Presentation of the research laboratory

The internship will take place at the Research Group on Psychosocial Maladjustment in Children (GRIP: https://grip-info.ca) and the Observatory for Children's Education and Health (OPES: https://observatoireenfants.ca/en/) and will be supervised by Sylvana Côté's team. The work of GRIP and OPES is based on longitudinal and experimental data.

I-care and Resiliency Studies

The applicant will be working on two studies: the I-care and Resiliency Studies.

The I-care study is a randomized control trial by clusters of factors carried out since 2021 in nearly 80 educational daycare services in Quebec. The study aims to compare the effectiveness of different interventions intended for children aged 2 to 4 years in reducing disruptive behavior.

Resiliency: The Study on Child Development in the Context of a Pandemic involves a subsample of children who participated in the 2017 Québec Survey of Child Development in Kindergarten (QSCDK). During the years 2021 and 2022, the children who participated in this study were assessed in terms of their reading learning, their family functioning, and their school functioning.

Position Summary

We seek a dynamic, autonomous, and resourceful person who will work as part of a team and individually on child development issues. This involves producing scientific articles and reports on the prevention of psychosocial maladjustment, disruptive behavior and the promotion of school readiness, based on data from quantitative longitudinal studies carried out with children, families, educators, and teachers. The candidate will analyze data from a randomized trial, the i-care study, and longitudinal studies in the general population. The research project involves preparing data for analysis, carrying out the analyses, and monitoring the projects along with the researcher and coordinators. The person will work closely with researchers.

More specifically, the candidate will be responsible for:
- Understanding the data collected.
- Managing diverse and heterogeneous databases.
- Conducting regression analyses, ANOVA, time series type analyses, or longitudinal analyses.

- Writing articles and reports.
- Participating in meetings with researchers and students.

Profile and training

Selection criteria:

- Ph. D. in an appropriate discipline such as epidemiology, psychology, psychiatry, psychoeducation, public health, sociology, or statistics.
- Academic excellence as demonstrated in academic results (GPA above 3.7/4.3 or 3.5/4; or equivalent).
- Solid experience in quantitative data analyses;
- Methodological skills and experience using datasets and/or longitudinal datasets.
- Knowledge of randomized clinical trial analysis methods is an asset.
- Experience in publishing, communication, and research in English.
- Excellent spoken and written command of French and essential functional bilingualism.
- Prior experience in data analysis with software such as SPSS, SAS, R, M+, Stata, etc.
- Knowledge of M+ and R software packages is an asset.
- Good knowledge of Windows and UNIX environments.
- Excellent teamwork skills, dynamism, and flexibility.
- Attention to detail, autonomy, and resourcefulness.

Conditions

Pay Scale: by CIHR guidelines.

The candidate must apply for admission to the University of Montreal as a postdoctoral trainee and must respect the eligibility conditions in force. It should be noted that postdoctoral fellows at CHUSJ have the status of postdoctoral fellows. They are considered researchers in training and are not employees of the CHUSJ. They are remunerated in the form of grants, not salaries. For this reason, CR-CHUSJ postdocs are not eligible for employment insurance benefits, parental insurance, retirement plans, and other benefits reserved for employees. Tax deductions will be taken at the source.

CHU Sainte-Justine has a remuneration policy for postdoctoral interns, which is a minimum of $40,000 per year. Remuneration can come from research funds or an external nominative grant. The candidate will be invited to apply for external scholarships to obtain a named scholarship.

The duration of the research improvement is conditional on:

- Availability of research funds;
- Project progress;
- Eligibility to maintain postdoctoral trainee status at the university.

Submit your application

Applicants must send the required documents before **01/15/2024** by email to Marie-Kim Chabot: marie-kim.chabot.hsj@ssss.gouv.qc.ca

Please provide:

√ *Curriculum vitæ*
√ Most recent academic transcript
√ Cover letter
√ Reference from previous supervisors

Equity, diversity, and inclusion

The masculine gender is used without discrimination and for the sole purpose of lightening the text. CHU Sainte-Justine subscribes to the principle of equal access to opportunities and invites women, members of visible minorities and ethnic minorities, people with disabilities, and Indigenous people to apply. We would be grateful if you would inform us of any disability that would require technical and physical accommodation adapted to your situation during the selection process. Please be assured that we will treat this information with confidentiality.

Study at the CHU Sainte-Justine Research Center

By pursuing your graduate or postdoctoral studies at the CHU Sainte-Justine Research Center, you will be one of the approximately 500 students, residents, and interns who participate in accelerating the development of knowledge in maternal, child, and child health, adolescent, whether in fundamental, clinical or transversal research. Supervised by renowned researchers, particularly in leukemia, rare pediatric diseases, genetics, perinatology, obesity, neuropsychology, cognition, scoliosis, and rehabilitation, you will evolve in multidisciplinary scientific teams, in laboratories welcoming collaborators from all over the world.

About the CHU Sainte-Justine Research Center

The CHU Sainte-Justine Research Center is a flagship establishment in mother-child research affiliated with the University of Montreal. Focused on the discovery of innovative means of prevention, less intrusive and faster treatments, and promising avenues of personalized medicine, it brings together more than 200 researchers, including more than 90 clinical researchers, as well as 500 graduate students and postdoctoral fellows. The center is an integral part of the Sainte-Justine University Hospital Center, the largest mother-child center in Canada and the second-largest pediatric center in North America. Details at recherche.chusj.org