

# Call for Applications for Postdoctoral Researcher Positions at CIRANO's Pole in Data Science for Trade and Intermodal Transportation, Montréal, Canada

## General Information

**Position Definition:** Postdoctoral Researcher

**Location:** The Postdoctoral Researcher will be based at CIRANO's Pole in Data Science for Trade and Intermodal Transport in Montréal, Canada

**Type of Contract:** Temporary Contract

**Contract Duration:** 24 Months

**Expected Hiring Date:** As early as 1 January 2024

**Work Time:** Full-Time

**Required Degree Level:** PhD in Data Science, Economics, International Trade or related quantitative fields

**Application Deadline:** 1 December 2023

## Research Context

CIRANO is pleased to announce the establishment of a multidisciplinary research Pole focusing on Data Science for Trade and Intermodal Transportation. This Pole aims to employ state-of-the-art data science methodologies to investigate the economic and environmental impacts of trade and transportation, focusing particularly on the challenges and complexities within the Great Lakes/St. Lawrence Seaway trade corridor. The research endeavors will revolve around optimization, resilience, and policy formulation to address pressing supply chain issues, economic integration, and economic complexity analyses.

## Qualifications

Candidates should possess a PhD with a focus on quantitative methodologies such as data science or econometrics and a track record of publications in peer-reviewed journals. A working knowledge of functional programming languages such as R, Python, or Julia is essential. Candidates are expected to collaborate in an interdisciplinary environment, involving researchers from several thematic areas within CIRANO and beyond, as well as engage with public and private stakeholders.

## Responsibilities

- Get involved with ongoing projects as much as possible, providing scientific expertise and technical assistance where needed.
- Initiate new projects in the Pole and collect/analyze/ interpret data for publications.
- Assist graduate students and research assistants in the Pole with projects.
- There is opportunity for travel to national and international conferences with a successfully funded project.

## **Compensation and Benefits**

The annual gross salary will be competitive, and employment in Canada will include full access to healthcare and other social security benefits.

## **Eligibility**

The position is intended for exceptional early-career researchers. Eligibility is restricted to candidates who have defended—or are due to defend—their PhD between 1 January 2021 and 31 December 2023.

## **Recruitment Procedure**

The chair of the selection committee is Thierry Warin, Full Professor at HEC Montréal and Principal investigator for the research project at CIRANO. The committee comprises interdisciplinary researchers actively involved in the Pole's activities. Applicants are requested to submit at [postdoc@cirano.qc.ca](mailto:postdoc@cirano.qc.ca) :

1. Curriculum Vitae
2. Motivation letter to work on the Pole's research projects at CIRANO
3. Job Market Paper
4. Two references

The deadline for applications and letters of recommendation is 23:59 EST on 1 December 2023.

For further details about the Pole and its activities, consult the CIRANO website : [CIRANO Pole](#) and project report: [CIRANO Project Report](#)

CIRANO is committed to equal opportunities in employment.