

### ***Required for immediate appointment:***

- **Postdoctoral Fellow/Research Associate**

The research project (**Analysis of countermeasures to supply chain disruptions in medical and pharmaceutical industries**) is based at York University, Toronto, Canada, and is planned to be undertaken over a period of two years.

#### **Postdoctoral Fellow/Research Associate**

A recently completed (within the last three years) PhD in Applied Mathematics, Operations Research, Operations Management, Management Science, Economics, Decision Sciences or related field is a minimum requirement. Advanced knowledge of, and demonstrably significant experience with, mathematical or economic modeling and numerical analysis using a computer programming software (e.g., R, Mathematica, MATLAB, Maple) is required. In-depth knowledge of supply chains in manufacturing and/or medical industries is also required. Advanced knowledge of game theory and/or contract theory is preferred. Significant experience with agent-based and/or discrete event simulation, preferably using the AnyLogic simulation platform, is also preferred. This will be a 12-month appointment, and may be extended by up to an additional 12 months. In view of presently strict restrictions for travel into Canada arising from the ongoing COVID-19 crisis, the initial 3-6 months of the engagement may be carried out remotely if the candidate is not currently in Canada. The succeeding months of the engagement will shift to Toronto, Canada once travel to Canada is allowed. While the engagement is initially outside of Canada, the **Research Associate** will receive a compensation equivalent to CAD 1,916 per month. Upon commencing the engagement in Toronto, Canada, a **Postdoctoral Fellow (Postdoctoral Visitor)** appointment will be issued, with a monthly compensation of CAD 3,583. The indicated amounts of compensation are subject to final budgetary approval. The research project is supported by the Canadian Institutes of Health Research (CIHR).

#### **Application Submission**

Please send as soon as possible (1) a letter of application (addressed to Professor F. Toyasaki), (2) an up-to-date CV placing emphasis on the candidate's qualifications that are relevant to the stated requirements, and (3) a list of references including contact information by email to Professor F. Toyasaki (email: [toyasaki@yorku.ca](mailto:toyasaki@yorku.ca)) with cc to Professor T. Wakolbinger ([Tina.Wakolbinger@wu.ac.at](mailto:Tina.Wakolbinger@wu.ac.at)).