

## Postdoctoral Fellow in Statistics or Biostatistics | High-dimensional Hierarchical Data with Complex Dependence Structures

Our team, composed of Grace Y. Yi (Western University), J-F Quessy (Université du Québec à Trois Rivières), Yunhong Lyu (Trent University), Pavel Krupskii (University of Melbourne), and Bouchra Nasri (Université de Montréal), is looking for a postdoctoral fellow (PDF) for a project entitled “High-dimensional Hierarchical Data with Complex Dependence Structures.” The project aims to develop inference methods for copula-based regression models for hierarchical and high-dimensional data. Copulas can be used to take into account the dependence between variables and the hierarchical structures. The high dimensionality can be in terms of sample size, number of covariates, or the hierarchical structures. The project requires in-depth theoretical and computational skills in statistics/biostatistics. We are looking for a PDF with a strong background in **statistics** or **biostatistics** with a focus on **statistical theory**. The PDF will realize and complete the research objectives and work jointly with the team members. The PDF will be supported by a competitive salary and can start as soon as possible (position available immediately). Salary and location are open to negotiation with team members.

If you are interested, please provide your CV to Dr. Bouchra Nasri ([Bouchra.nasri@umontreal.ca](mailto:Bouchra.nasri@umontreal.ca)) and don't hesitate to contact us if you have any questions.