



CANSSI Distinguished Postdoctoral Fellowships 2024 Project List

CANSSI Distinguished Postdoctoral Fellows have the opportunity to participate in major research projects. Below are the eligible projects for CDPF recipients whose awards begin in 2025:

1. [Novel Statistical Models for Survival and Count Outcomes Using a Copula-Based Approach and Their Applications in Health Research](#)
2. [Explainability and Interpretability of black-box models](#)
3. [Causal inference empowered by representation learning: applications to brain disorders](#)
4. [Gestion des risques financiers par apprentissage profonde](#)
5. [Statistical learning for unit nonresponse treatment in surveys using Riesz representers](#)
6. [Adapted Unsupervised Learning for Time-Series Data](#)
7. [Discovering Causal Patterns in Network-Linked Data through Bayesian Networks](#)
8. [Bayesian inference for misspecified models of dynamical systems](#)
9. [Development of joint models for cancer clinical trials in the era of personalized medicine](#)
10. [Clustering Clinical Data](#)
11. [Development of dynamic treatment regimes in the presence of high-resolution serially correlated patients data](#)
12. [Optimal prediction under latent factor based nonparametric regressions](#)
13. [Modelling Regional Migratory Movements with Receiver-Based Data](#)
14. [Enhancing Infectious Disease Modeling: Stochastic Approaches to Model and Variable Selection](#)
15. [Data Integration for Complex Data Analysis](#)
16. [A New Framework of Functional Data Analysis on Image Analysis](#)
17. [Detection of offline and online change-points with applications in public health and finance](#)