CANSSI Distinguished Postdoctoral Fellowships 2026–2028 Project List

CANSSI Distinguished Postdoctoral Fellowship (CDPF) recipients have the opportunity to participate in a major research project. Below are the eligible projects for awards that begin in 2026:

1. Advancing Statistical Inference in Spatial Genomics: Methods for Multi-Slice Data (Dehan Kong & Qihuang Zhang)

2. AI-Powered Statistical Analysis for Elite Volleyball (Tim Swartz & Tianyu Guan)

3. Bayesian Tensor Regression with Random Projections: Methods, Computation, and Applications (Virgil Radu Craiu & David Ardia)

4. Capturing and Analyzing Partially Observed Objects in Images through Functional Shape Representations (Jiguo Cao & Cédric Beaulac)

5. Climate-Driven Dynamics of Canadian Mortality (Jean-François Bégin & Mathieu Boudreault)

6. Clustering Clinical Data (Paul McNicholas & Sanjeena Dang)

7. Data Integration for Complex Data Analysis (Peijun Sang & Xin Gao)

8. Data-Driven Analysis of Cyber Risk and Insurance (X. Sheldon Lin & Edward Furman)

9. Development of Joint Models for Cancer Clinical Trials in the Era of Personalized Medicine (Laurent Briollais & Bingshu Chen)

10. Dynamic Risk Measure Discovery Via Operator Learning (Silvana Pesenti & Anastasis Kratsios)

11. Enhancing Infectious Disease Modeling: Stochastic Approaches to Model and Variable Selection (Mahmoud Torabi & Patrick Brown)

12. Enhancing Inferences on Risk Factors and Trends in Recurrent Event Processes Using Stratified Models with Time-Varying Coefficients for Complex Longitudinal Data (Rhonda Rosychuk & Candemir Cigsar)

13. [Enhancing Statistical Privacy through Measurement Error Models](#) (Kelly Ramsay & Dylan Spicker)

14. [E-Values for Risk Management: Risk Measures, Multiple Testing, and Copulas](#) (Ruodu Wang & Christopher Blier-Wong)

15. [High-Dimensional Discrete Data Modeling using Determinantal Point Processes](#) (Yang Lu & Juliana Schulz)

16. [Inattentive Optimal Stopping in Actuarial Finance](#) (Anne MacKay & Jean-François Renaud)

17. [Optimal Prediction Under Latent Factor Based Nonparametric Regressions](#) (Xin Bing & Qinglong Tian)

18. [Optimal Sensor Placement for Large-Scale Transportation Networks](#) (Aurélie Labbe & Lijun Sun)

19. [Predictive Neural Network Modelling of Spatio-Temporal Point Process Data with Self-Excitation Behaviour, with Applications to Crime Data Modeling](#) (Devan Becker & Owen Ward)

20. [Problems Under Finite Mixture Model and Hidden Markov Model](#) (Jihua Chen & Pengfei Li)

21. [Regression Models for Non-Gaussian Repeated Measures Data with Application in Ecology and Epidemiology](#) (Alex Stringer & Ben Bolker)

22. [Scalable Post-Selection Inference for Heterogeneous High-Throughput Data with Applications to Genetic Studies](#) (Elif Acar & Kaiqiong Zhao)

23. [Statistical Learning and Inference for Longitudinal Patient-Reported Outcomes in Cancer Trials](#) (Wei Tu & Yi Liu)

24. [Statistical Methods for Digitizing Analog Magnetic Field Records and Revealing 140 Years of Earth's Magnetic History](#) (Wesley S. Burr & Gwendolyn Eadie)

25. [Wildfire Mitigation via Functional Time Series Analysis](#) (Adam B. Kashlak & Mina Aminghafari)