Request for Applications: CANSSI Ontario Postdoctoral Fellowship in Genome Data Science - Ontario Genomics

Sponsor

Ontario Genomics and CANSSI Ontario

Program

Postdoctoral Fellowship in Genome Data Science

Description

The CANSSI Ontario Postdoctoral Fellowship will support the work of early-career investigators pursuing research in the areas of statistical genetics, environmental genetics or the economics and impacts of genomic technologies in a climate-changing world. The Fellowship offers two-year salary support for up to $50,000 per year for postdoctoral fellows undertaking full-time research at a [CANSSI Ontario partner university](#) [1] or their affiliated research institutes. Candidates are responsible for selecting, contacting, and securing the commitment of two faculty members to jointly supervise them in their project, one being a statistical geneticist, genetic epidemiologist or environmental epidemiologist.

Eligibility

Applicants must be undertaking full-time research during the term of the postdoctoral fellowship at a [CANSSI Ontario member university or any of their affiliated research institutes.](#) [1]

Applicants must fulfill or have fulfilled all degree requirements for a PhD in the fields of statistics, computational biology, biostatistics, bioinformatics, computer science, epidemiology, genomics or other related quantitative fields between January 1, 2020, and December 31, 2023. The window of eligibility could be extended by a cumulative maximum of three years if the applicant had their career interrupted for extenuating circumstances, such as parental leave, illness, health-related family responsibilities, mandatory military service, disruptions due to war, civil conflicts and/or natural disasters in the country of residence, socio-economic reasons/lack of research opportunities, etc. It will only be extended by the duration of the eligible delay(s)/interruption(s).

Canadian citizens, permanent residents of Canada, and foreign citizens are eligible to apply provided that their proposed host institution is a CANSSI Ontario member university or any of their affiliated research institutes.

This Fellowship will support the methodological work of an early-career investigator pursuing research in the areas of?statistical genetics, environmental genetics or the economics?and impacts?of genomic technologies in a climate changing world.

Ontario Genomics/CANSSI Ontario seek to support research projects that focus on?statistical methodology and tool development, including computational tools. We encourage applications from candidates combining?'omics data with other data to overcome challenges, especially as it applies to the environment and climate change.

Research projects of particular interest are those that:

1. bridge data from the lab into the real world (commercial or governmental applications)
2. develop tools and link datasets in meaningful ways (for policy development and implementation)
3. establish frameworks and methods that allow consistent comparison of results, and that give an understanding of the limitations and opportunities.

Examples include:

1. Methods and tools to address climate change, food systems, and sustainability
2. Methods and tools to address biodiversity, reflecting localized data and values
3. Life cycle?inventory and analysis of data?that can be used to?support?the circular bioeconomy
4. Robust methods that incorporate the diversity of populations and data.

Funding eligibility of submissions will be assessed based on scientific excellence and innovation by an adjudication panel.

Supervisor Eligibility and Requirements

Applicants are responsible for finding, contacting and securing the commitment of two (2) mentors to jointly supervise them for the duration of the fellowship.

The two proposed supervisors must be from different academic divisions at a CANSSI Ontario member university or at their affiliated research institutes, where at least one is a faculty member with a PhD in statistics, biostatistics, epidemiology, computational biology, genomics or computer science. The second supervisor can be from any other field. The expertise provided by the two supervisors should complement each other and provide the applicant with a broad perspective.

Both proposed supervisors must provide, in writing, their commitment to supervise and guide the research work of the candidate. Only PDF files will be accepted, with a maximum size of 2 MB per file.

Funding Availability

The Fellowships offer two-year salary support for up to $50,000 per year for postdoctoral fellows undertaking full-time research at a [CANSSI Ontario partner university](#) [1] or their affiliated research institutes.

How to Apply

Please review the [eligibility and application guide](#) [2] for full submission requirements.
For Questions, please contact
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Links
[1] https://canssiontario.utoronto.ca/about/members_partners/
[2] https://www.ontariogenomics.ca/funding-opportunities/open-competitions/ontario-genomics-canssi-ontario-postdoctoral-fellowship-in-genome-data-science/eligibility-and-application-guide-for-ontario-genomics-canssi-ontario-postdoctoral-fellowship-in-genome-data-science-request-for-applications/
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