

Accelerator Grants in Genomic Medicine 2024:

“Genome Networks and New Genome Sequencing Technologies and Informatics”

Request for Letters of Intent (LOI)

The University of Toronto McLaughlin Centre is pleased to announce its 14th research funding competition. The competition will be based on invited grant applications passing an initial letter of intent stage. Both steps will go through committee peer-review adjudicated by the Director. McLaughlin Centre continues to be committed to the principles of Equity, Diversity, and Inclusion (EDI) in research and innovation.

Timelines:

LOI Deadline: **December 8, 2023**

LOI Decision: **January 12, 2024**

Application Deadline: **March 8, 2024**

Application Decision: **April 26, 2024**

Funding Start: **May 1st, 2024**

Letters of Intent up to two pages long should outline (i) background and rationale, (ii) objectives and activities, (iii) relevance to the McLaughlin Centre mission, (iv) planned deliverables and (v) a brief budget summary. Full grant applications will be a maximum of 10 pages including references. Priority will be given to applications demonstrating promise for near-term deliverables, potential to seed larger grants, and those involving two or more institutions from the University of Toronto Faculties (and their Departments and Institutes) and the hospitals/research institutes fully affiliated with the University of Toronto ([TAHSN](#)). Successful grants will be awarded for **one** year with up to \$100,000 from the McLaughlin Centre. A requirement is that the McLaughlin Centre investment be equally leveraged with other funds necessary for the project. The emphasis in this Call will be:

- Genome Networks:** Building upon the McLaughlin Centre’s earlier rounds that often focussed on genotype-phenotype relationships, proposals will be entertained that probe the genetic/genomic interactions between two or more genes in mammalian (preferably human) systems. Funding for data generation experiments in the areas of genetic interactions to disease phenotypes, performing systematic genome-editing screens, and developing and exploring such genome-wide technologies in therapeutic strategies will be prioritized. Team-based or linked research grants are emphasized;
- New Genome Sequencing Technologies and Informatics:** Advances in long-read sequencing technologies are impacting the quality of genome assemblies and the underlying genomic variants revealed. With some technologies methylation data is also captured. The McLaughlin Centre will fund pilot projects in establishing these technologies and the supporting informatics in disease studies.

Pre-submission enquiries are welcomed to encourage potential applicants to understand the intended scope including matching funds. For enquiries or direct submissions contact:

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Click [here](#) to download LOI form.