

Ontario Genomics: Genomic Applications Partnership Program (GAPP) - Round 14

Sponsor

Genome Canada (c/o Ontario Genomics)

Program

Genomic Applications Partnership Program (GAPP)

Description

The GAPP funds downstream research and development (R&D) projects that address real world opportunities and challenges identified by industry, government, not-for-profits and other “Receptors” of genomics knowledge and technologies.

GAPP projects are collaborations between academic researchers and Receptor organizations. They are co-funded by Receptors and other stakeholders and have the potential to generate significant social and/or economic benefits for Canada.

The GAPP aims to:

1. Accelerate the application of Canadian Genomics-derived solutions to real-world opportunities and challenges defined by by industry and public sector Receptors.
2. Channel Canada's genomics capacity into sustainable innovations that benefit Canadians.
3. Enhance the value of Canadian genomics technologies by de-risking and incentivizing follow-on investment from industry and other partners.
4. Foster mutually beneficial collaboration and knowledge exchange between Canadian academia and technology partners.

The [Precision Health Initiative – Rare Diseases: Clinical Implementation Projects](#) [1]initiative continues in this round. This pilot program for the clinical implementation of precision health features three main components:

1. Establish a national rare disease cohort through the collection and sequencing of 30,000 samples from rare disease patients and their families.
2. Determine the mechanisms and best practices for the collection and sharing of data,

including privacy policies, informed consent and other ethical and legal frameworks.

3. Establish clinical implementation sites and work with provincial and regional partners/centres to achieve regulatory approval and accreditation.

Eligibility

To be eligible for GAPP, a project must:

- Develop and apply a genomics-derived product, tool or process for an opportunity or challenge defined by the Receptor(s);
- Focus on late-stage R&D that will position the innovation for near-term implementation / commercialization;
- Be co-led by an academic and a Receptor organization in partnership, with active and necessary roles for both; and,
- Demonstrate the potential to generate significant social and/ or benefits for Canada.

Small-scale proof-of-concept / pilot projects through to large-scale projects will be accepted. Projects should not be in the discovery phase.

Receptor Eligibility:

A Receptor is defined as an organization that intends to put the resulting innovation into practice (in internal operations, by commercialization, or otherwise making it available to its ultimate users). Eligible Receptors include:

- Companies (private / public, Canadian / foreign-owned);
- Industry consortia;
- Government departments and agencies (federal, provincial and municipal);
- Healthcare organizations; and
- Not-for-profit organizations.

Small or start-up companies may be considered, as per the [guidelines](#) [2].

In addition to the above criteria, in order to be considered as a [Precision Health -Rare Diseases Clinical Implementation Project](#) [1], projects must also:

- Focus on using precision health approaches in rare diseases that are ready to be implemented in partnership with an existing publicly funded health care delivery organization (at the provincial or regional level that has the technological and organizational infrastructure needed to support the project);
- Analyze province specific health technology assessment data to determine the clinical utility, cost utility and cost effectiveness of genomic sequencing;
- Commit to working with other rare disease clinical implementation projects funded through this mechanism to share best practices and harmonize data capture;
- Commit to data sharing, data standards, consents and other policies that comply with the guidelines for the overall initiative. These are consistent with the principles and policies of the Global Alliance for Genomics and Health, the International Rare Diseases

International Research Consortium and the FAIR Guiding Principles for scientific data management and stewardship.

The [GAPP Guidelines](#) [2] provide full information regarding the eligibility criteria.

Maximum Project Value

Total project size: \$300,000 to \$6 million. The structure of the funding plan is as follows:

- 1/3 investment from Genome Canada;
- 1/3 provided by the Receptor partner (cash or in-kind); and
- 1/3 of other co-funding.

For more information see Appendix 2 of the [GAPP Investment Strategy and Guidelines](#) [2] and the document [Guidelines for Funding](#) [3].

Indirect Costs

0% for funding requested from Genome Canada; indirect costs may apply to Receptor (i.e. industry) collaborator(s). Please contact the Office of Research Services.

Project Duration

One - three years. Shorter or longer terms will be considered only if strong rationale is provided.

Special Notes

Important Documents to Review:

- [Investment Strategy and Guidelines](#) [2]
- [Ontario Genomics Quick Financial Guide \(GAPP\)](#) [4]

Deadlines

If College-level review is required, your College will communicate its earlier internal deadlines.

Type	Date	Notes
External Deadline	Monday, November 19, 2018 - 9:00am	Draft Expression of Interest (EOI) due to Ontario Genomics
		This draft EOI does not need to

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Type	Date	Notes
		be submitted to the Office of Research.
Internal Deadline	Monday, December 17, 2018 - 4:30pm	Final Expression of Interest (EOI) to Office of Research Please submit a signed OR-5 form and the Final Expression of Interest to the Office of Research two weeks prior to the external deadline to Ontario Genomics and considering the University's Holiday Closure Schedule [5]. If invited to the supplementary proposal stage, please submit a copy of the supplementary proposal to research.services@uoguelph.ca [6] at least two weeks prior to the deadline set by Ontario Genomics.
External Deadline	Tuesday, January 8, 2019 - 9:00am	Final Expression of Interest (EOI) due to Ontario Genomics
Internal Deadline	Wednesday, March 20, 2019 - 4:30pm	Final Supplementary Proposal to Office of Research Applicants invited to submit a Final Supplementary Proposal must send a copy to research.services@uoguelph.ca [6] at least two weeks prior to the deadline set by Ontario Genomics. *If an applicant requests a more in-depth review, please submit prior to March 20, 2019.

Type	Date	Notes
External Deadline	Wednesday, April 3, 2019 - 9:00am	Final Supplementary Proposal to Ontario Genomics

How to Apply

There is a three-stage, gated application process for this program:

1. Expression of Interest (EOI)
2. Project Pitch
3. Supplementary Proposal

At each of the above stages, Ontario Genomics has developed a due diligence review process, where a panel of industry experts and entrepreneurs provide feedback to help teams navigate the application and increase their competitiveness. These reviews are mandatory for all Ontario projects.

Applicants should anticipate the following phases in the application process:

1. Submission of draft EOI to Ontario Genomics.
2. Face-to-face business pitch to due diligence review panel (see [panel members](#) [7]).
3. Development of final EOI through active collaboration with Ontario Genomics.
4. Submission of EOI to University of Guelph Office of Research (two weeks prior to deadline set by Ontario Genomics)
5. Submission of EOI to Genome Canada.
6. Teams invited to Project Pitch stage: Perform practice pitch with Ontario Genomics before official pitch to Genome Canada.
7. Teams invited to Supplementary Proposal stage: Submit draft applications to Ontario Genomics for panel review before submission to Genome Canada.

Application Forms and Submission:

For copies of the current forms, or to submit an EOI, please contact Shobha Ramsubir at sramsubir@OntarioGenomics.ca [8].

Information For Co-applicants

If you need to meet a deadline set by the lead institution for this opportunity, please ensure that you provide the Office of Research with at least five days in advance of the lead institution's deadline to review the application, or your proposed component of the project. Please be in

touch with the Office of Research (contact information below) ahead of the deadline if it looks like it will be difficult for you to submit all the required documentation on time (i.e. budget, proposal, OR-5 Form).

For Questions, please contact

For questions on the GAPP program, please contact [Shobha Ramsubir](#) [9], Senior Manager, Business Development & Research at sramsubir@OntarioGenomics.ca [8].

Office of Research

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Links

[1] <http://www.ontariogenomics.ca/news-events/funding-opportunities/precision-health-initiative/>

[2] <https://www.genomecanada.ca/sites/default/files/pdf/en/gc-gappinvestmentstrategyandguidelines.pdf>

[3] <https://www.genomecanada.ca/sites/default/files/publications/guidelinesforfunding.pdf>

[4] http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/04/201803_OG-GAPP-QuickFinancialGuide.pdf

[5] <https://www.uoguelph.ca/hr/sites/uoguelph.ca.hr/files/public/Holiday%20Memo%20for%20W eb%20-%202018-2019.pdf>

[6] <mailto:research.services@uoguelph.ca>

[7] <http://www.ontariogenomics.ca/funding-opportunities/open-competitions/genomic-applications-partnership-program-gapp/gapp-review-panel/>

[8] <mailto:sramsubir@OntarioGenomics.ca>

[9] <http://www.ontariogenomics.ca/about-us/staff/#Shobha-Ramsubir>

[10] <mailto:cosborn@uoguelph.ca>