

## **2018 Large-Scale Applied Research Project (LSARP) Competition: Genomics Solutions for Agriculture, Agri-food, Fisheries and Aquaculture**

### **Sponsor**

Genome Canada

### **Program**

Large-Scale Applied Research Project (LSARP)

### **Description**

Genome Canada, together with Agriculture and Agri-food Canada (AAFC), has announced a Request for Applications (RFA) for the 2018 Large Scale Applied Research Project Competition “Genomics Solutions for Agriculture, Agri-Food, Fisheries and Aquaculture.” The Competition aims to support projects that have the potential to provide new approaches that can improve disease and pest resistance in our crops, livestock and fish, increase our understanding of soil and aquatic microbiomes, and improve our ability to monitor and assess wild fish populations.

Successful projects will use genomics to advance the sustainability, productive capacity and competitive position of the Canadian agriculture and agri-food & fisheries and aquaculture sectors, and thereby strengthen Canada’s economy and the wellbeing of Canadians. Research that examines the implications of genomics in society, such as factors that may facilitate or hinder the effective translation of research and the uptake of genomic-based applications, will also be supported as part of the Competition.

The agriculture and agri-food & fisheries and aquaculture sectors have a history of using research to assess challenges and develop solutions. Genomics-based approaches have the potential to predict and mitigate the effects of climate change, such as understanding the response of fisheries to climate fluctuations, identifying crops and livestock that are more resilient to temperature extremes, and by reducing methane emissions related to livestock production systems.

### **Eligibility**

Genome Canada funds can be awarded to researchers and scholars affiliated with the following institutions and organizations:

- Canadian post-secondary organizations and their affiliated institutions and research institutes.
- Canadian non-federal government departments or agencies and not-for-profit organizations with an explicit research or knowledge-translation mandate.
- Research teams may include as co-applicants international, private sector, or federal laboratory scientists. However, Genome Canada funding is restricted to activities performed within Genome Canada eligible institutions and AAFC funding (from this funding opportunity) is restricted to activities performed within AAFC, for projects it determines to be relevant (refer to RFA).

All applicants must identify and address key ethical, economic, environmental, legal and/or social aspects relevant to the genomics research (GE3LS) being proposed as part of the overall research plan. Stand alone GE3LS proposals are also eligible to be submitted as large-scale projects. [See examples of previously funded GE3LS research in Ontario](#) [1].

## Funding Availability

There is approximately \$30 million available for this competition through Genome Canada and up to \$16 million from AAFC.

The contribution from Genome Canada must be between \$1 million and \$4 million, and the amount of co-funding from eligible sources must be at least equal to the Genome Canada contribution. If applicable, the contribution from AAFC must be between \$0.5 million and \$3 million.

## Maximum Project Value

There is no maximum budget for this competition, however, projects must have at least \$2 million in total budget. Genome Canada Investment will range from \$1 million to \$4 million per project. A project's eligible costs must be co-funded from eligible sources such that the co-funding is at least equal to the Genome Canada contribution.

## Project Duration

Successful individual projects will be awarded funding for a term of up to four years.

## Special Notes

**SAVE THE DATE: An Informational Webinar will be held June 28, 2018, 1:00PM: more details to come from Ontario Genomics.**

In order to better prepare the projects being submitted from Ontario for this competition, Ontario Genomics will engage external reviewers and advisors to perform a friendly review of the draft applications and facilitate strategy sessions. Please note that to accommodate this process the OG deadlines differ from those in the official RFA from Genome Canada. Applicants will receive

feedback on their applications including gaps and areas for improvement to be addressed prior to submission to Genome Canada.

Researchers in Ontario intending to submit an application are strongly encouraged to contact Ontario Genomics, if having not already done so, to discuss details of the competition such as the scope, the application process, tips for writing the Benefits to Canada Section of the proposal, how to incorporate GE3LS in proposals, and co-funding requirements.

## Deadlines

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

Type	Date	Notes
<b>External Deadline</b>	Tuesday, August 7, 2018 - 4:30pm	Draft Registrations due to Ontario Genomics (OG)*. There is no need to submit an OR-5 form to the Office of Research Services at this stage of the competition.
<b>Internal Deadline</b>	Thursday, November 1, 2018 - 4:30pm	<p>Please submit an OR-5 form and copy of the Draft Pre-Application to <a href="mailto:research.services@uoguelph.ca">research.services@uoguelph.ca</a> [2] before November 1, 2018. A basic administrative review and administration of required approvals will be provided.</p> <p>For a more in-depth review and to obtain approval signatures, please provide &gt;OR-5 form and copy of the Draft Pre-Application to <a href="mailto:research.services@uoguelph.ca">research.services@uoguelph.ca</a> [2] before <b>October 25, 2018</b>.</p>
<b>External Deadline</b>	Thursday, November 8, 2018 - 4:30pm	Final Pre-Application due to Ontario Genomics

## How to Apply

The application process will be comprised of three steps: Registration, Pre-Application and Full Application.

Draft registrations are due to Ontario Genomics on August 7th, 2018.

Applicants invited to Full Application stage will work with the Office of Research Services and Ontario Genomics to establish internal deadlines to support the Final Full Application submission due to OG in early 2019.

A detailed [Competition Timeline](#) [3] is available on the Ontario Genomics website. Deadlines may be subject to change so please communicate with Ontario Genomics and Office of Research Services to coordinate your submission.

## Application Material and Relevant Links

RFA and Guidelines:

- [Request for Applications \(RFA\)](#) [4]
- [Guidelines for Funding Research Projects](#) [5]

Registration form:

- [Registration Form](#) [6]
- [Suggested Reviewers Form](#) [7]

Pre-application forms:

- [Pre-Application Form](#) [8]
- [Pre-Application Summary Budget and Co-funding Appendix](#) [9]

Full Application forms:

- Check the Ontario Genomics website: coming soon

Other resources:

- [Genome Canada Competition webpage link](#) [10]

## 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

[Caitlin Taylor](#) [11], Senior Manager, Research & Business Development

[ctaylor@ontariogenomics.ca](mailto:ctaylor@ontariogenomics.ca) [12]

## Office of Research

Research Services Office

519-824-4120 x56943

[research.services@uoguelph.ca](mailto:research.services@uoguelph.ca) [2]

Alert Classifications **Category:**

Funding Opportunities and Sponsor News

## Disciplines:

Health and Life Sciences

Information and Communications Technology

Physical Sciences and Engineering

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## Source

**URL:** <https://www.uoguelph.ca/research/alerts/content/2018-large-scale-applied-research-project-lsarp-competition-genomics-solutions-agriculture>

## Links

[1] <http://www.ontariogenomics.ca/genomics-resources/ge3ls/>

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

[3] <http://www.ontariogenomics.ca/funding-opportunities/open-competitions/2018-lsarp/>

[4] [http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP\\_RFA.pdf](http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP_RFA.pdf)

[5] [http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP\\_GuideLinesForFunding.pdf](http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP_GuideLinesForFunding.pdf)

[6] [http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP\\_RegistrationForm.doc](http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP_RegistrationForm.doc)

[7] [http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP\\_RegistrationForm-AppendixI.xlsx](http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP_RegistrationForm-AppendixI.xlsx)

[8] [http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP\\_Pre-ApplicationForm.doc](http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP_Pre-ApplicationForm.doc)

[9] [http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP\\_Pre-ApplicationForm-AppendixI.xlsx](http://www.ontariogenomics.ca/wp-content/uploads/sites/1/2018/06/2018-LSARP_Pre-ApplicationForm-AppendixI.xlsx)

[10] <https://www.genomecanada.ca/en/programs/large-scale-science/funding-opportunities/large-scale-research-project-competitions/request>

[11] <http://www.ontariogenomics.ca/about-us/staff/#Caitlin-Taylor>

[12] <mailto:ctaylor@ontariogenomics.ca>