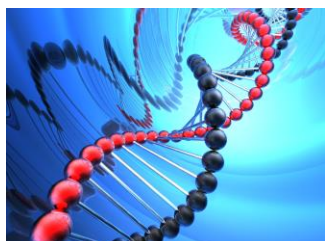


Genome Alberta

Established in 2005 to focus on genomics as one of the central components of the Alberta Research and Innovation System. Genome Alberta is partnered with Genome Canada and the Province of Alberta and is a not-for-profit corporation that initiates, funds, and manages genomic research and partnerships.

Mission

To provide leadership in prioritizing, coordinating and enabling world-class genomics research and partnerships in order to create societal and sustainable economic benefits for Alberta and Canada.



How We Define Genomics

It is the study of genetic information of an organism encoded in DNA and its corresponding complements such as RNA, proteins, and metabolites. These components work together to define all species such as microorganisms, plants, animals and humans.

Analysis of genome function and structure can enhance our understanding of life from the cellular level to ecosystem dynamics as well as provide socio-economic benefit.



Genomic Applications Partnership Program (GAPP)

*Genome Canada Program:
Alberta Focus*



GenomeAlberta

GAPP Overview

The Genomic Applications Partnership Program (GAPP) funds downstream research and development (R&D) projects that are driven by challenges and opportunities facing your industry where solutions can be achieved using genomics based technologies.

Objectives

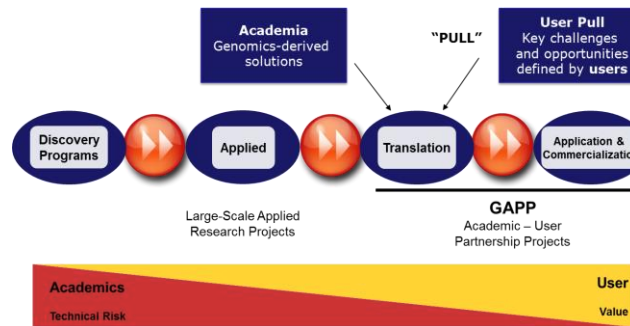
- Promote the application of genomics-derived solutions to address key sector challenges or opportunities facing your industry
- Promote commercialization of genomics technologies by facilitating the transfer of genomics-derived solutions from academia to your industry and de-risking follow-on investment from public and private partners
- Increase the socio-economic impact and profitability of genomics research by accelerating its translation to application in your market

Parameters

- Up to \$30 million is available from Genome Canada for this program
- Genome Canada will provide support for small-scale proof-of-concept or pilot projects through to large-scale projects, ranging in size from \$300,000 to \$6 million in total project budget
- Project duration can be as short as 6 months up to 3 years
- The Genome Canada investment must not exceed more than 1/3 of the total investment in the project
- The remaining 2/3 must be secured through co-funding with at least 1/3 provided by the industry (eligible costs can include salary, equipment, travel etc.)

Project Eligibility

- Respond to the objectives of GAPP
- Represent an active partnership between academics and industry users— see definitions below
- Propose to utilize or develop a genomics-derived solution
 - A product, tool, process or an uptake into practice or policy whose origin is based in genomics
- Address key challenges or opportunities defined by the industry user or the funding partner that require a partnership with academia
 - Defined as user “pull”
- Focus on downstream R&D activities



User

- Includes companies, industry consortia, government departments or agencies, or not-for-profits that have a credible plan for exploiting project results for the socio-economic benefit of Canada
- User must show expertise and resources to put the plan into effect

Academics

- Defined as an independent investigator who is a faculty member employed by a Canadian post-secondary organization or their affiliated institutions including hospitals and research institutes
- Researchers from not-for-profit organizations may be considered if the organization has an explicit research mandate

Benefits to Canada

- The GAPP will support projects that have direct or indirect impacts on human health or socio-economic benefits in other sectors of importance to Canada's economy:
 - Health Sciences
 - Agriculture
 - Forestry
 - Energy
 - Mining
 - Environment
- Example projects:
 - Monitor and control microbial populations that cause corrosion in oil pipelines
 - Developing a genomics test for beef tenderness in Canadian cow herds
 - Identification of markers that differentiate between tumor types in children with brain tumors
 - Creation of non-invasive diagnostic tests to detect indicative metabolites in saliva, sweat and urine

Application Process

There is a two-stage application process for this program and acceptance will be on a rolling intake basis with a quarterly review:

1. Expression of Interest (EOI)
2. Full Proposal

Expected launch of the Program: Summer 2013

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