

The Alberta Precision Health Initiative Development Grant

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Agenda

- Welcome and Introduction
- Presentation on the funding opportunity
- Application process
- 2017 LSARP competition
- Questions and answers
- Closing remarks

Alberta Innovates

- Alberta Innovates provides support and leadership that Alberta's world-class researchers, entrepreneurs and industry innovators need to thrive in a globally competitive research and innovation context.
- Our services, tools, expertise, partnerships and funding support a broad range of research and innovation activity, from discovery to application, with a focus on accelerating commercial outcomes.

Genome Alberta

- Genome Alberta is a publicly funded not-for-profit corporation that initiates, funds, and manages genomics research and partnerships.
- 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.
- Four strategic priority areas:
 - Agriculture/Forestry/Environment/Bioproducts
 - Biomedical/Health
 - Life Science Technologies
 - Genomics and its Ethical, Economic, Environmental, Legal, and Societal aspects

What is Precision Health?

- Precision health uses an individual's genetic makeup, environmental exposures and lifestyle to create and apply a program of illness prevention, detection and intervention.

Alberta Precision Health Initiative (APHI)

- An Alberta Innovates program aimed at developing precision health approaches to improve the prevention, diagnosis and treatment of diseases for Albertans
- Alberta is well suited to become a leader in precision health given our:
 - Small but diverse population
 - Single health care delivery and payer systems
 - Existing capacity (data repositories, biobanks, patient registries)
 - Existing capabilities (-omics fields)

APHI Development Grant

- Partnership between Alberta Innovates and Genome Alberta

APHI Development Grant

- Goal: to enhance Alberta's competitiveness in upcoming precision health funding opportunities
- Funds to be used to engage the team; consolidate, analyze and/or integrate the team's resources

APHI Development Grant

- Will build on an existing area of strength and leverage team's existing knowledge and resources
- Research activities planned for the national/international grants will describe how the team will adopt, integrate or validate precision health innovations to improve diagnosis, treatment and/ or prevention of diseases that create a significant social and economic burden in Alberta.
 - Can include activities that address the gap from translational research to application
 - Or exploring translational challenges that deter the uptake of precision health approaches

APHI Development Grant

- **Number of Grants Available:**
Anticipated to be up to 3, but more could be considered
- **Level of Funding:**
No predetermined maximum
Anticipated range of \$100K – \$300K
- **Term:**
Up to 18 months, non-renewable

Eligibility

- Project Lead or Co-Lead that is associated with an Alberta-based University or public Alberta Institution
- Team of individuals who have drawn from as many of the following sectors as may be appropriate to accelerate potential impact:
 - Academic
 - Clinical
 - Industrial
 - Entrepreneurial
 - Health delivery system including its supporting networks (SCNs, SPOR SUPPORT Units)

Important Dates

- January 16, 2017-registration deadline*
- Early March, 2017-full applications due

Full application submission is by invitation only

- * Registrations only require a signature from the Lead. An institutional signature is not required.

How to Apply

- Registration and Full Application should be submitted using the [Alberta Innovates online application portal](#)
- Program Guide and Application Instructions are on the [Alberta Innovates website](#)

Application Process

Registration

- Deadline – January 16, 2017

Registration Feedback

- Anticipated late January, 2017

Full Application

- Anticipated deadline of early March, 2017
- by invitation only

Registration Components

- A description of the Overarching Plan for Research and Innovation in Precision Health
- A description of the function of each of the team members
- A description of the activities to be completed as part of the APHI Development Grant

Registration Review and Feedback

- Registrations will be reviewed by a panel of individuals that represent a variety of relevant perspectives
 - Not intended to evaluate scientific merit
 - Review of eligibility and alignment with the competition objectives
 - If the registration is not appropriate to the funding opportunity it will not proceed to the full application
- The registration review is intended to:
 - 1) allow for the development of a peer review committee
 - 2) provide feedback to the registrants for their consideration

Registration Review and Feedback

- Feedback will be provided back to applicants to:
 - 1) consider when developing the full application and/or other opportunities
 - 2) facilitate conversations among applicants where synergies exist
- As part of the feedback, the Proposal Title and names of the Leads and Co-Leads for the registration will be shared among all registrants

Full Application

- Will expand on the information provided in the registration and include a budget
- Full applications will be evaluated by an independent committee of expert reviewers representing perspectives from across the precision health innovation continuum
- The full application assessment criteria include:
 - feasibility
 - environment
 - integration
 - relevance
 - potential impact

Joining of Teams

- Team membership may be modified from the registration to the full application (additional members or joining of teams)
- There must be a clear line of sight (similar leadership/team membership, similar plans and activities) from at least one submitted registration to be eligible to submit a full application

Allowable Costs

- Include costs that are specific to the Development Grant activities
 - Administration
 - Salaries and Benefits
 - Services from others
 - Workshops and meetings

- Salaries & benefits for the performance of wet lab work are not eligible expenditures for this opportunity

Integrity of Information

“Alberta Innovates supports Alberta research institutions in their efforts to promote and ensure the highest standards of research and scholarship practice and behaviour. By his/her signature below, each applicant asserts that this application adheres to all research policies and procedures in place at his/her sponsoring institution, including those regarding integrity in research and scholarship. Alberta Innovates reserves the right to confirm this assertion through independent means. Alberta Innovates wishes to alert applicants to the **consequences of misrepresentation** in this application, including misrepresentations of authorship, credentials or research support. In the event of material deviations of the information in this application from reference sources, including citation sources (in the case of authorship), issuing organization(s) (in the case of credentials), or granting agencies (in the case of research support), Alberta Innovates **reserves the right to disqualify the applicant from the competition** in question. Further Alberta Innovates actions may include disqualifying the applicant from future Alberta Innovates competitions for a time period to be set at Alberta Innovates’ sole discretion, withdrawal of any remaining installments of support for any existing Alberta Innovates grant or award for which misrepresentation appears in the submission, and seeking partial or full repayment of any past financial support under any Alberta Innovates grant or award for which misrepresentation appears in the submission

The APHI Development Grant and Genome Canada's LSARP

- One of the future funding opportunities that the APHI Development Grant is hoping to position the teams for is Genome Canada's LSARP
- No direct linkages between these two opportunities
- APHI Development Grant applicants are not required to apply for the LSARP

2017 LSARP

- **Large Scale Applied Research Project:**
Genomics and Precision Health
- **Requirements:**
 - Co-Funding
 - End-user engagement
 - Social and/or economic benefits to Canada
 - Genomics and Society
 - Genomics, Ethics, Environmental, Economics, Legal & Society components to address barriers to adoption and update of research outcomes



2017 LSARP

- Expected Launch: January 2017
- Project budget: \$3 M - \$10 M
- Project Term : 3-4 years
- Genome Canada Investment: Min – 33%, Max - 50%
- Remaining budget must be obtained through co-funding

Eligibility

- An interdisciplinary team lead by an **Investigator** with active **End-user** collaborations including integrated **Genomics and Society Research**
- Projects must propose **omics-based solutions** with potential to contribute to a more evidence-based approach to health and/or enhance the cost-effectiveness of the health-care system
- Sharing of resources and expertise through inter-regional and international **collaborations**
- **End-user engagement** in the development and execution of the research plan in order to help ensure receptor uptake of the research.

Benefits to Alberta/Canada



- Improved health care, clinical utility, and/or practical applicability
- Benefits could include, for example:
 - Adoption of a new genomics-derived technology
 - A change in clinical practice guidelines
 - Using omics approaches as companion diagnostics
 - A reduction in number of adverse drug reactions through pharmacogenomics
 - Development of products with commercial potential
 - Improvement in quality of life for patients and environment

Application Process



Genome Alberta will be hosting Strategic Whiteboard sessions with interested teams in late January, 2017.

Elements of a successful proposal

- Interdisciplinary Research Team
- **Health-care system and end-user support**
- Deliverable(s) must demonstrate clinical utility or practical applicability
- Identify pathway to implementation in the clinic
- Patient and Public Engagement
- Access to patient cohorts and patient data
- Deliverables with significant socioeconomic benefits



Information and Contacts

- **Alberta Precision Health Initiative Development Grant**

<http://www.aihealthsolutions.ca/funding/health-research-funding/alberta-precision-health-initiative/>

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- **2017 Large-Scale Applied Research Project (LSARP) Competition**

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Thank you.



Questions?





Frequently Asked Questions

- Why is the timeline so short?
- Why are the eligible expenditures not clearly/specifically defined?
- Is the full application form available? How long will the full application be?

Information and Contacts

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