Michael Smith Health Research BC

2023 Scholar Competition

Information Session Webinar

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November 15, 2022

Webinar Agenda

1. About Michael Smith Health Research BC
2. Program Highlights
3. Insights from a Scholar award recipient
4. Organizations with Scholar Award Holders
5. Award Amount and Duration
6. Eligibility Requirements
7. Changes for 2023
8. Knowledge Translation
9. Partnership Opportunities
10. Mitacs Accelerate Partnership
11. Evaluation Criteria
12. Tips for Developing your application
13. MSFHR ApplyNet
14. Application Process Flow
15. Contact Information
16. Q and A session

Overview of the Scholar program

SCHOLAR PROGRAM

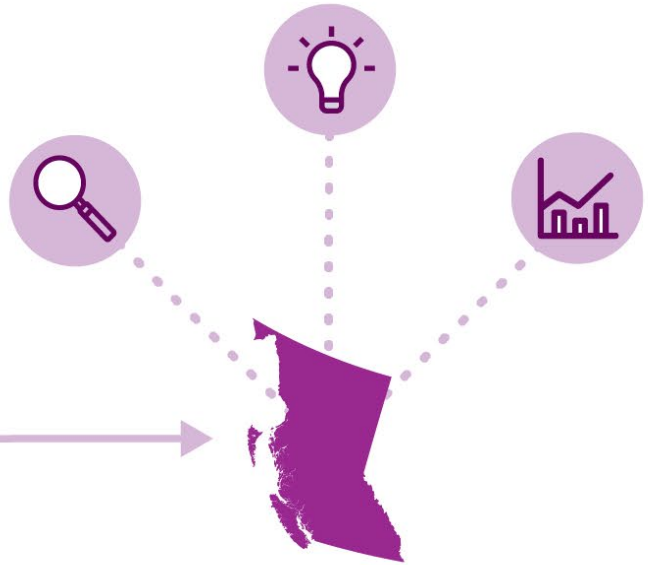
An early career researcher within 5 years of their first appointment

A Scholar award provides:

- $90,000 per year for up to 5 years
- 75% of time protected for research

Scholar awards enable researchers to:

- Start + develop new programs of research in BC
- Attract additional funding
- Train new researchers + hire full-time staff
- Create knowledge to inform practice, policy + further research



Benefits to BC:

- Develops BC talent
- Generates new discoveries + evidence to improve health care
- Builds health research capacity

Insights from a Scholar award recipient

Dr. Cheryl Heykoop

2021 Scholar Award Recipient

Associate Professor

School of Leadership Studies

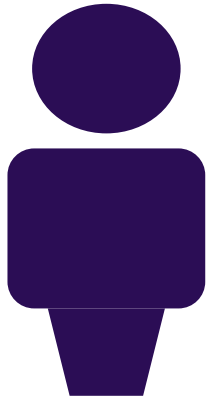
Royal Roads University

Program of Research Title: Transforming Adolescent and Young Adult Cancer Care in BC in Partnership with Patients and Cancer Care Allies.

Organizations with Scholar Award Holders

- BC Cancer
- BC Centre for Disease Control
- BC Centre for Excellence in HIV/AIDS
- BC Centre on Substance Use
- Centre for Health Evaluation and Outcome Sciences (CHEOS)
- Gender and Sexual Health Initiative
- International Collaboration on Repair Discoveries (iCORD)
- James Hogg Research Centre
- Providence Health Care Research Institute
- Royal Roads University
- Simon Fraser University
- Trinity Western University
- University of BC – Okanagan
- University of BC – Point Grey
- University of Northern British Columbia
- University of Victoria
- Vancouver Island University

Award Amount & Duration



Applicant

Research Themes

- Biomedical
- Clinical
- Health Services
- Population Health

$90,000 per year → 5 years

Eligibility Requirements

Eligibility Requirements
Must have a **PhD** or equivalent.
Commit to a minimum of **75 percent time** conducting research.
Currently hold an **appointment** or have a commitment of an appointment to begin by the award start date of **July 1, 2023** at a BC institution that holds a memorandum of understanding with Health Research BC as a host institution.
Be **within six years from the start of their first university appointment** (at an assistant professor level, or equivalent) **OR be within six years of obtaining a PhD** as of the award start date, **July 1, 2023**, whichever comes last
Research must display clear link to human health research

Changes for 2023

Integrating Equity, Diversity, and Inclusion (EDI) Considerations in Research

- Department heads are encouraged to use the Department Head Form to describe any concrete practices or resources they will provide to support accessibility, diversity and inclusion in their work environment and in mentoring and professional development.

- A section in the application form will be provided for applicants to describe how they meaningfully and appropriately account for EDI in the design of their research programs, in the analysis and interpretation of the findings, in their KT activities, and in the composition and governance of their research teams

- Reference letters are no longer required

Continuing impacts of COVID-19 on early career researchers

- Applicants will continue to have the opportunity to include a COVID-19 impact statement in their application to describe the impact of the pandemic on their research activities.
- To account for COVID-19 research and training disruptions, we will continue to extend the eligibility window for the Scholar competition by one year.
- Peer reviewers will account for COVID-19 impacts in application assessment and scoring.

Knowledge Translation (Pathway to Impact)

Knowledge Translation (KT) at Health Research BC

The broad range of activities and initiatives used to improve the use of health research evidence in health planning, practice, policy, and further health research.

- A "**Pathway to Impact**" for health research evidence
- Includes KT Practice and KT Research

Why is Knowledge Translation Important?

- In 2009, Chalmers and Glasziou estimated that globally **~85%** of biomedical research investment is wasted[1]

- MacLeod *et al.* estimated that across *all* health research this amounted to **~US$200B** of wasted funding in 2010[2]

[1]Chalmers & Glasziou. *Avoidable waste in the production and reporting of research evidence.* The Lancet (2009) 374;9683:86-89

[2]Macleod et al. *Biomedical research: Increasing value, reducing waste*. The Lancet. (2014) 383;9912:101–4

The Impact of Research Waste

- 30% of patients do not get treatments of proven effectiveness
- 25% of patients get care that is not needed or potentially harmful
- Up to 75% of patients do not get enough information to make decisions
- Most programs to address gaps in patient care are not:
  - evidence-based
  - being implemented as intended
  - being evaluated rigorously
  - being sustained.

Kiesler DJ, Auerback SM. Optimal matches of patient preferences for information, decision-making and interpersonal behavior: evidence, models and interventions. Patient Educ Couns 2006;61:319-41.

Dawes, M., Sampson, U.: Knowledge management in clinical practice: A systematic review of information seeking behavior in physicians. Int J Med Inform 2003;71:9-15 .

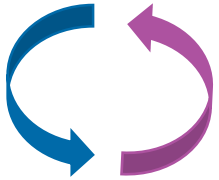
McGlynn Elizabeth A, Asch Steven M, Adams John, Keesey Joan, Hicks Jennifer, DeCristofaro Alison, Kerr Eve A. The quality of health care delivered to adults in the United States. N Engl J Med. 2003 Jun 26;348(26):2635–2645.

Pathway to Impact

KT Practice: the use of KT models, frameworks, and/or theories

Synthesis	Dissemination	Exchange	Implementation
The contextualization and integration of research findings of individual research studies within the larger body of knowledge on the topic.	The active, purposive distribution of research findings tailored to the unique needs of appropriate audiences with the intent to spread information.	The giving and receiving of knowledge between researchers and research users throughout the research cycle resulting in mutual learning.	The use of strategies to adopt and integrate evidence-based interventions and to change practice within specific settings.

KT activities are dynamic and interrelated; they can occur at multiple points in the research cycle



KT Science/Research: the study of KT practices

Science of Knowledge Synthesis	Science of Knowledge Dissemination	Science of Exchanging Knowledge	Implementation Science
The scientific study of the methods used to synthesize individual research findings within the larger body of knowledge on the topic.	The scientific study of processes and variables that determine and/or influence the spread of knowledge to various stakeholders.	The scientific study of the methods used to exchange knowledge between researchers and research users that results in mutual learning.	The scientific study of methods that promote the systematic uptake of research findings and other evidence-based practices in clinical, organizational or policy contexts.

KT practice and research are interrelated; they can inform the work of the other and take place within the same research study

KT Practice and KT Research

- KT Practice activities are the steps in your “pathway to impact”
  - What steps do you need to take?
  - Talk with other researchers to see what KT activities they’ve used
- KT Practice activities are evidence-based
  - Look at KT models, frameworks, and theories to inform your KT plan development
- KT Practice is not the same as KT Research
  - But KT Research proposals should include KT Practice activities
- KT Practice activities should be included in all pillars (i.e., biomedical, clinical, population health, health system), as appropriate to the type of research, expected findings, and research users
  - e.g., KT in bench research will look different than for population health research, and that’s okay!

End-of-Grant KT vs. Integrated KT

End-of-Grant (Project) KT

The research team develops and implements a plan for making potential research users aware of the knowledge that is gained from a project.

- Dissemination, +/- implementation
- Researcher-driven
- Typically, not planned early

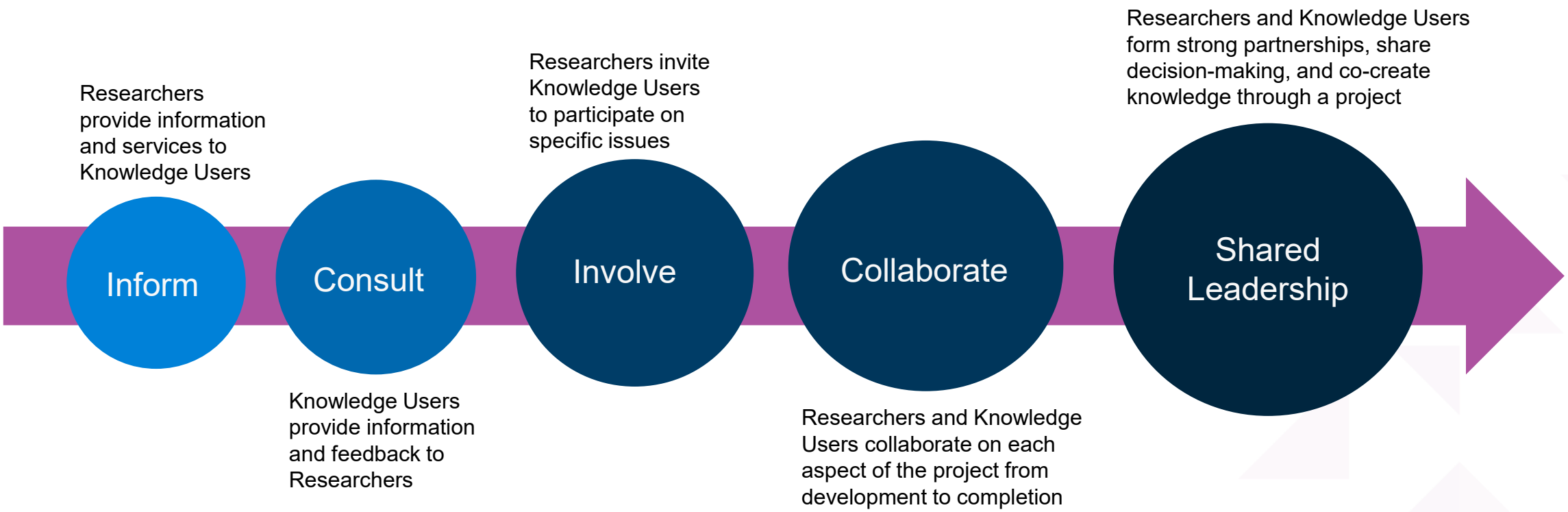
End-of-Grant KT vs. Integrated KT

Integrated KT (iKT)

Research users are engaged as equal partners alongside research team.

- Involved with most, if not the entire, research process
- Team-driven
- Pre-planned prior to undertaking research

Participant Involvement in Research



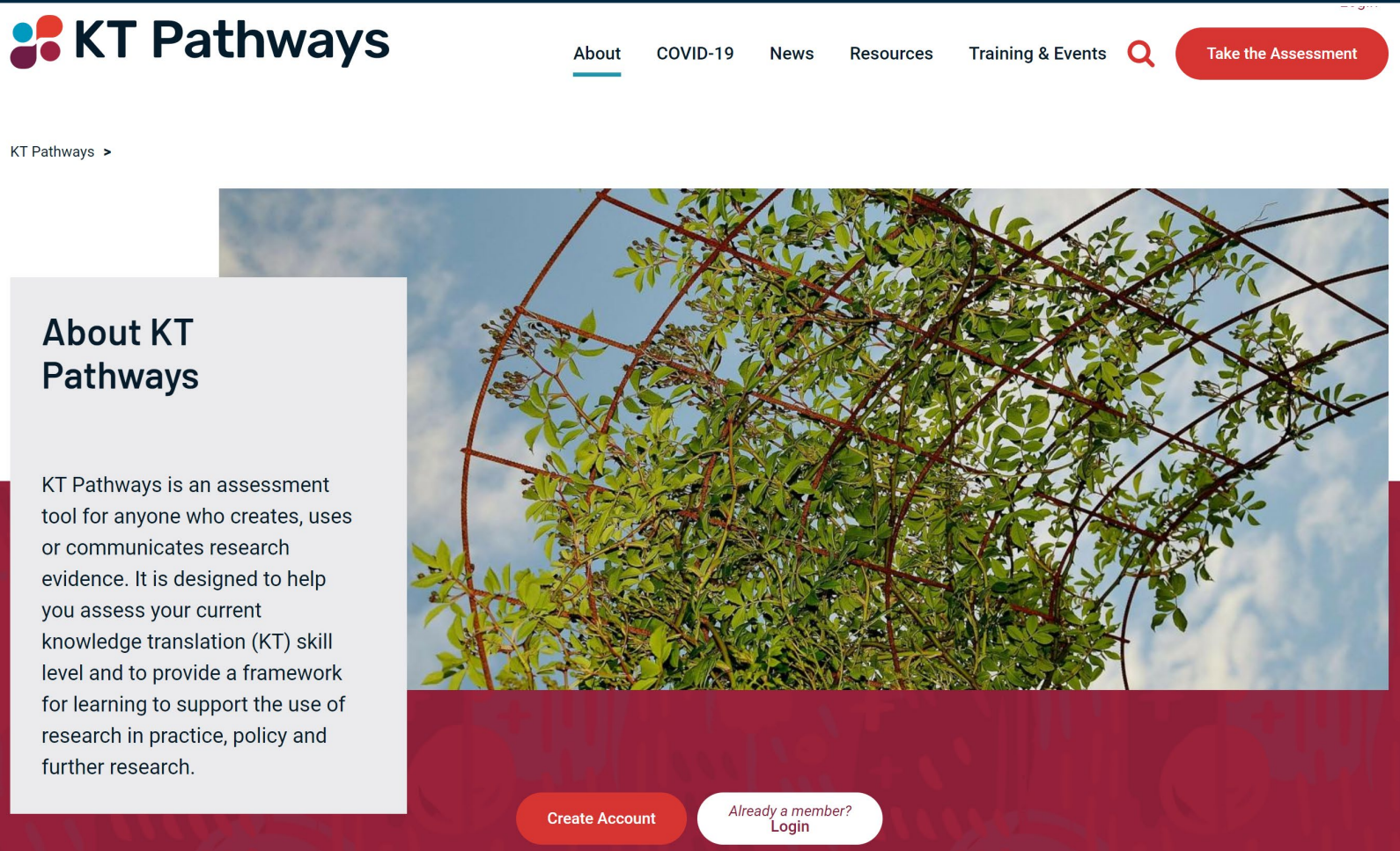
Balaz & Morello- Frosch. *The three R's: How community based participatory research strengthens the rigor, relevance and reach of science*. Environmental Justice, (2013) 6:1

National Institutes of Health. *Principles of community engagement*. 2nd edition. (2011). https://www.hvresearch.org/precision-home-visiting/publications-and-presentations/participatory-approaches

Types of Research Users

- Patients
- The "public" / specific community representatives
- Clinicians / health care practitioners
- Health care administrators
- Government employees / public policy makers or analysts / educators
- Representatives from non-government organizations / advocacy groups
- Research funders
- Industry
- Other researchers

KT Pathways©

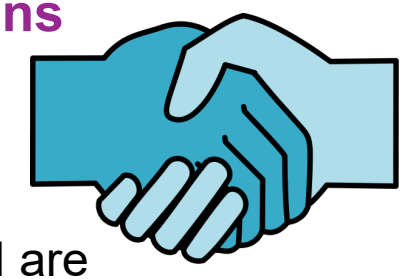


https://ktpathways.ca

Partnership Opportunities

Partnership Opportunities

Health Research BC partners with leading organizations to grow BC's health research talent.



Process:
Applicants interested in being funded through a partnered award are encouraged to **Complete the Potential Co-Funding Partners tab in their Full Application in ApplyNet**.

Additional partners will sometimes come on board during or after the full application phase and are therefore listed only on our website. If you'd like to be considered for an award co-funded by any of these additional partners, please let us know by emailing partnerships@healthresearchbc.ca.

*Health Research BC uses the details captured in your full application and **keywords** provided by partners to identify applications that may be relevant to and align with partners' area of interest.*

2022 Co-Funding Partners

Providence Research
We're all in.

CHÉOS
Centre for Health Evaluation & Outcome Sciences

Centre for Heart Lung Innovation
UBC and St. Paul's Hospital
HLI

A REASON TO HOPE. THE MEANS TO COPE.
BRITISH COLUMBIA SCHIZOPHRENIA SOCIETY
BC SCHIZOPHRENIA SOCIETY FOUNDATION
SUPPORTING THE BC SCHIZOPHRENIA SOCIETY

STpaul's FOUNDATION

Lotte & John Hecht Memorial Foundation

RECHERCHE EN SANTÉ MENTALE CANADA / MENTAL HEALTH RESEARCH CANADA

CLEAR
CANADIANS FOR LEADING EDGE ALZHEIMER RESEARCH

icord

More information about partners interested in co-funding the 2023 competition will be available in the full application form and at https://healthresearchbc.ca/funding/partnered-awards/

Mitacs Accelerate Partnership

- Introduced in 2019 – expedited application process for Mitacs Accelerate funding for Scholar applicants. Not mandatory.
- Mitacs Accelerate funding supports experiential training internships for Master's, PhD students, and post-doctoral fellows who are supporting your research.
- Applicants indicate interest at letter of intent.
- Separate application form outside of ApplyNet system. Form to be uploaded to Full Application.
- Contact a Mitacs **business development representative** for more information and to obtain an Accelerate Proposal application.

Application and Review Process

Evaluation Criteria

Criterion	Weighting
Applicant Expertise and Experience	30%
Program of Research	40%
Environment and Support	30%

Applicant Expertise and Experience

- Health Research BC Full CCV
- Publication list
- Most significant contributions

Program of Research

- Program of research upload
- Appendices upload
- Letters of collaboration (optional)

Environment and Support

- Department Head and/or Dean Forms in which reviewers look for clear commitment and support by applicant's host institution.

Evaluation Criteria

Criterion	Weighting
Applicant Expertise and Experience	30%
Program of Research	40%
Environment and Support	30%

Continuing for 2023

Separate peer review pools for junior faculty:

- Within three years of first appointment
- Between 4-6 years from first appointment

Tips for developing your application

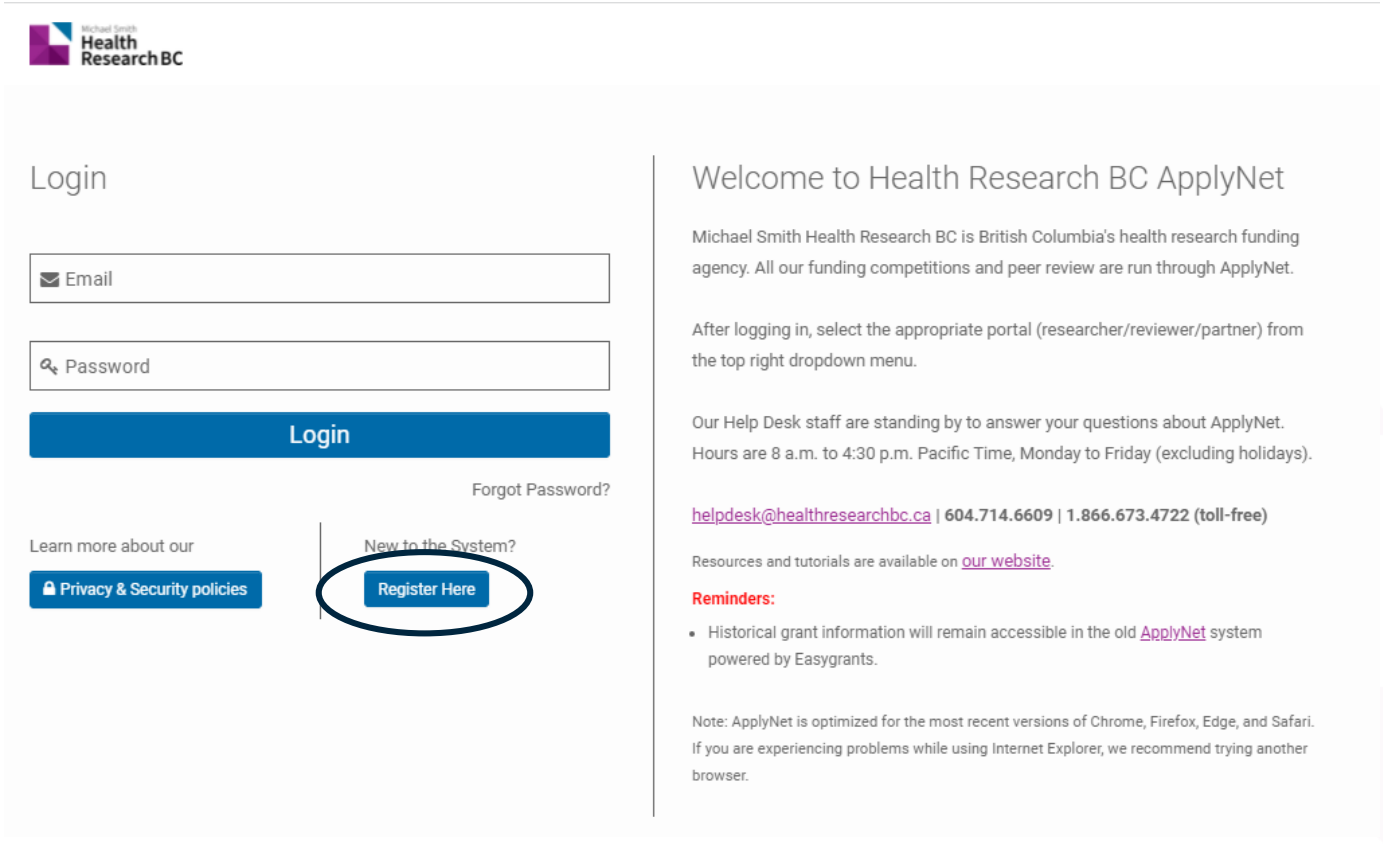
- Seek support from your organization's **grant facilitation office** for development, editing, and revision of your application.
- Have your application critically reviewed by **colleagues**.
- Review the competition's **evaluation criteria** and make sure they are addressed in your application.
- Pay attention to **grantsmanship** — cohesive flow of information allows reviewers to read the application without having to flip back and forth between pages.
- Format the program of research to be easy to read. Use **headings** to show a logical progression and break up the text into **paragraphs**. Don't be afraid of white space.

Tips for developing your application

- Reviewers do not have the time to look up information on your behalf — if it is important, **make it explicit** in the application.
- If you have **pilot data**, mention it.
- You will have 8 additional pages for your appendices, which may include references, tables, charts, figures, and photographs. However, if the data is important to your research proposal, please include it within the **Program of Research document**.
- If you were not able to capture important information about your activities and contributions in the CCV, you can add it to the **Most Significant Contributions** section.
- The sample application on our website provides some tips for the application.

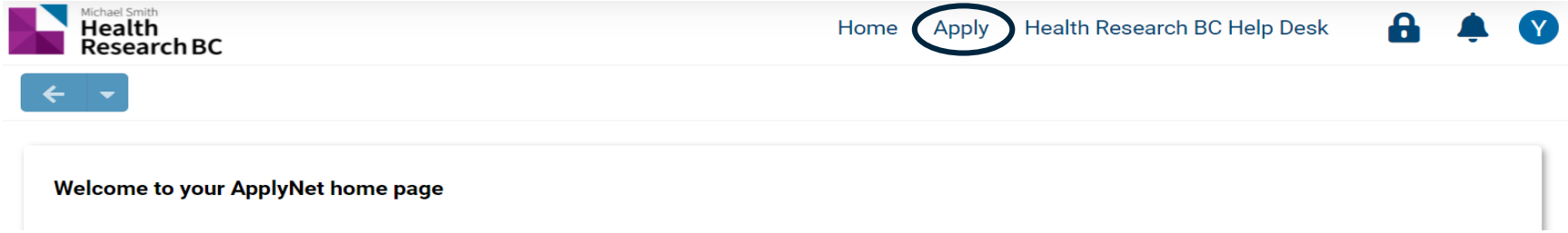
Health Research BC ApplyNet

Applications are submitted through our online grants management system, ApplyNet, https://healthresearchbc.smartsimple.ca/

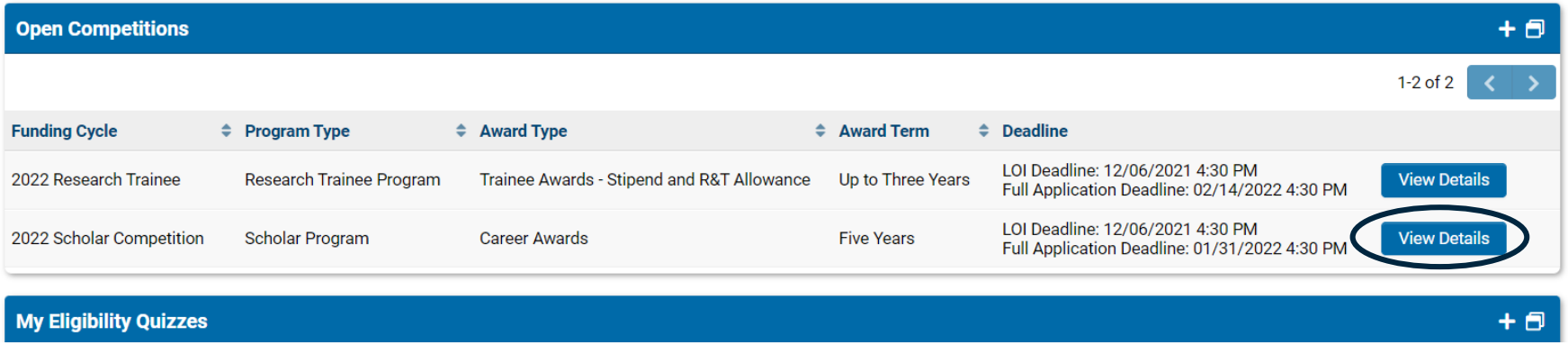


Health Research BC ApplyNet

From the home page, click **Apply**.

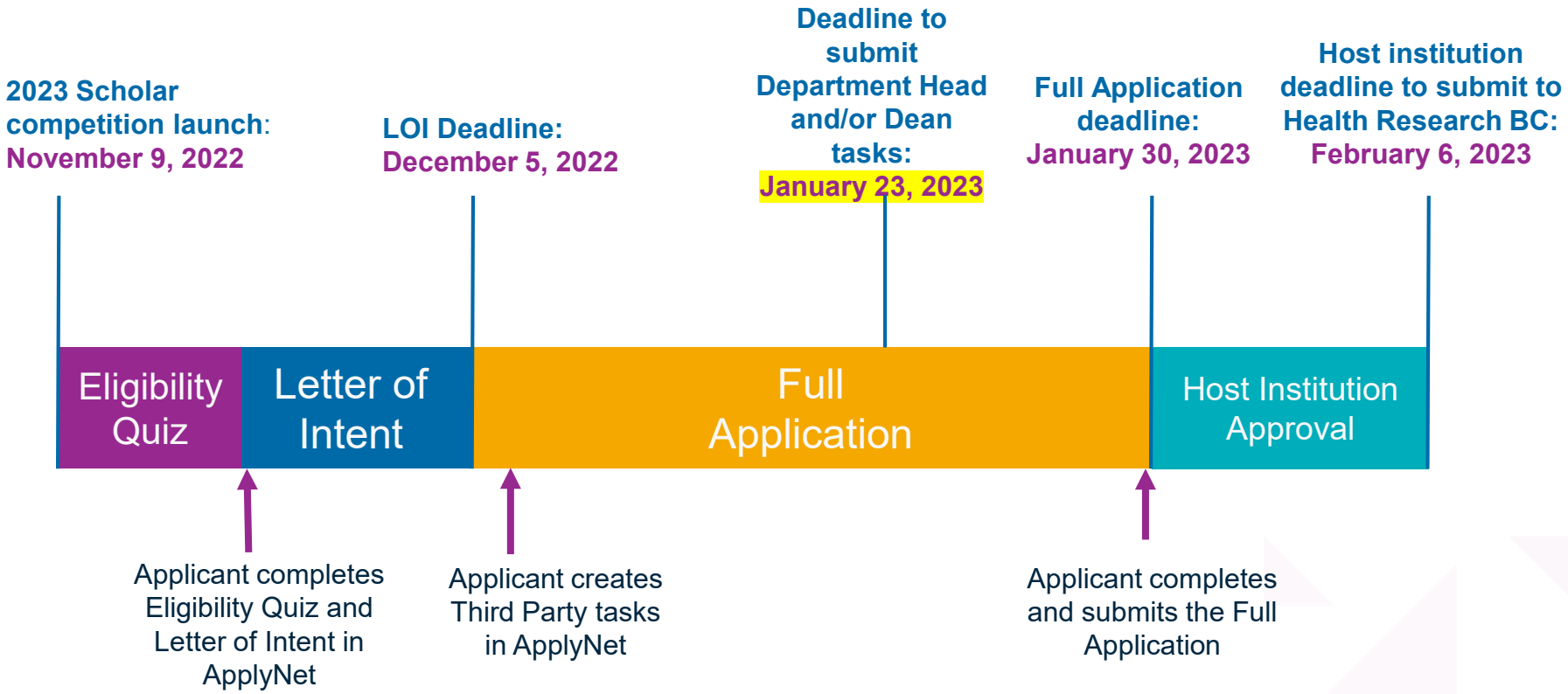


The next page will display a list of competitions available for application.



Click **View Details** to see competition information and to launch an eligibility quiz. A successful completion of the quiz will open the Letter of Intent.

Application Process Flow



*** Third Parties: Department Head and/or Dean**

Contact Info

For questions regarding the application and submission process, please contact:

Andrew Biagtan
Coordinator, Research Competitions
604.714.6602
scholar@healthresearchbc.ca

For technical support with ApplyNet, please contact:

Health Research BC Help Desk
604.714.6609
helpdesk@healthresearchbc.ca

Questions?

Stages in Competition Cycle	Date
Letter of Intent Deadline	December 5, 2022 4:30 p.m. PT
Full Application Deadline	January 30, 2023 4:30 p.m. PT
Peer Review Panel Meetings	April – May 2023
Funding Announcement	June 2023
Scholar Award Start Date	July 1, 2023