

2024 Research Trainee Competition

Information Session Webinar

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Kate Wilczak November 22, 2023





As a provincial organization, our work extends across many Indigenous lands and territories throughout British Columbia. We acknowledge with respect and humility that our Vancouver offices are located on the traditional and unceded territories of the x^wməθk^wəyʻəm (Musqueam), Skwxwú7mesh (Squamish), and səlˈilwətaʔł (Tsleil-Waututh) Nations.

Webinar Agenda

- About Health Research BC
- Overview of Award
- Insights from a 2021 award recipient Dr. Ana Hernandez Cordero
- Organizations with Research Trainee award recipients
- Award Amount and Duration
- Eligibility Requirements
- Supervisor(s)
- Changes for 2024
- Knowledge Translation
- Partnership Opportunities
- Application and Review Process
- Evaluation
- Application Tips
- Contact Information & Q and A session

Overview of the Research Trainee

RESEARCH TRAINEE PROGRAM



A post-doctoral health researcher or health professional eligible for a fellowship

A Trainee award provides:



\$60,000 per year for up to 3 years



Up to 75% of time protected for research

Research Trainee awards enable researchers to:



Increase research productivity



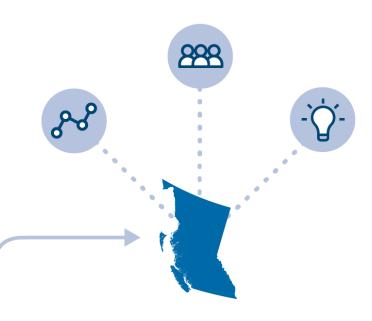
Launch successful careers in research, biotech, health policy, and more



Attract additional funding



Create knowledge to inform practice, policy + further research



Benefits to BC:

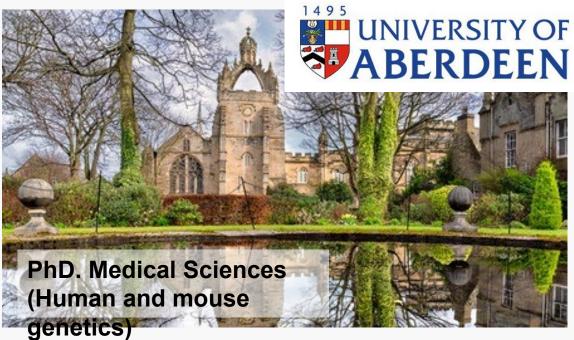
- Develops BC talent
- Supports the knowledge economy
- Builds health research capacity

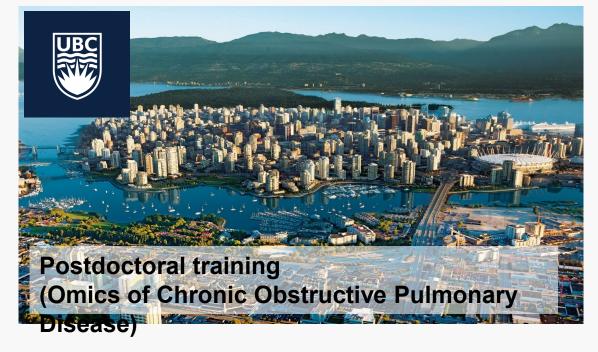
Insights from a 2021 award recipient Dr. Ana Hernandez Cordero

Project: Understanding the link between lung genomics, transcriptomics, and sex differences in COPD

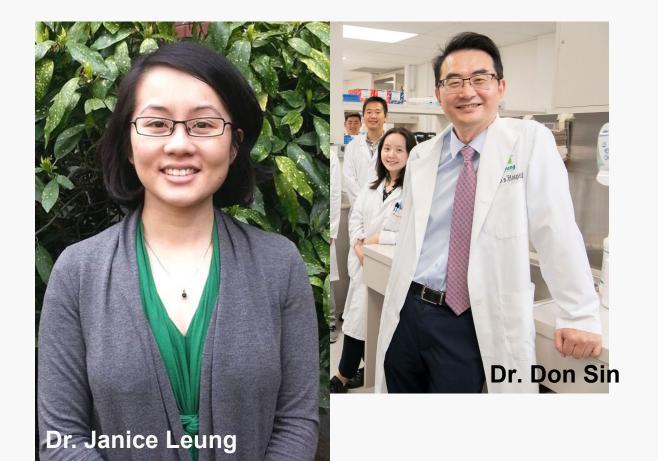




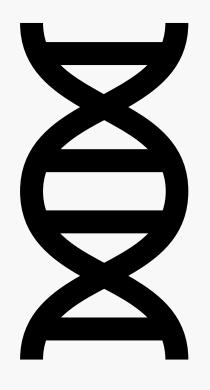




















Use of genetic information to (COPD) risk stratify female and male individuals



Impact



Change of situations



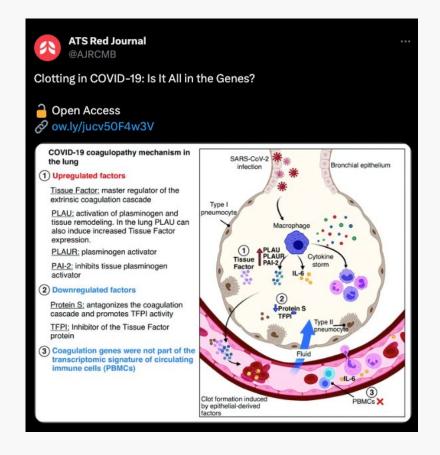
COVID 19

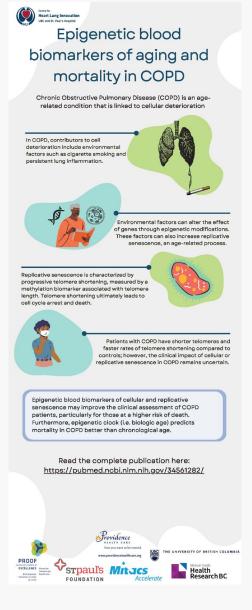


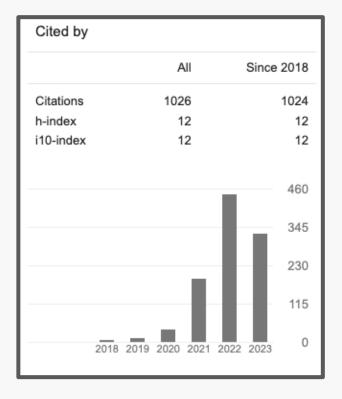
New skills



Impact:







Impact: New collaborations



THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Medicine Edwin S.H. Leong Centre for Healthy Aging

The **Edwin S.H. Leong Centre for Healthy Aging** at UBC brings together researchers across disciplines to investigate aging in a comprehensive and holistic way in order to help people in British Columbia, across Canada, and around the world stay healthy, happy, and active as they age.

More opportunities

BC Lung grants

■ 50k

CIHR

- Project grants
 - **300k**
- Career Transition Awards
 - 270k



More than a grant...

Responsive Understanding Supportive



Advice

- Write your application, and then revise, revise and revise!
- Read, read and read!



Advice

- Don't wait until the last minute to submit!
- Check in with your references







Advice

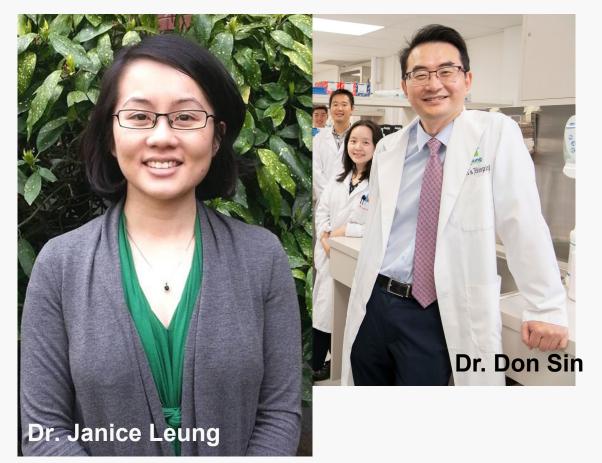
- Ask for applications from previous years (within your institution)
- Find a **supportive** team, and be *mindful of individuals' time*





Thank you









Organizations with Research Trainee Award Holders

The following organizations have had Research Trainee award holders in the past three years:

- BC Cancer
- BC Centre for Disease Control
- BC Centre for Excellence in HIV/AIDS
- BC Centre on Substance Use
- BC Children's Hospital Research Institute
- BC Women's Hospital + Health Centre
- Centre for Clinical Epidemiology and Evaluation
- Centre for Heart Lung Innovation
- Djavad Mowafaghian Centre for Brain Health
- Fraser Health Authority
- GF Strong Rehabilitation Centre

- International Collaboration on Repair Discoveries (iCORD)
- Michael Smith Laboratories
- Provincial Health Services Authority
- University of Northern British Columbia
- University of the Fraser Valley
- Simon Fraser University
- University of BC Point Grey and Okanagan
- University of Victoria
- Vancouver Coastal Health Research Institute
- Vancouver Prostate Centre
- Women's Health Research Institute

Award Amount and Duration

Research Themes

Services

Population Health

Biomedical 1 to 3 years Stipend: \$60,000 Health Research and Travel

Applicant

Each Trainee Award:

Allowance \$4,500

Eligibility Requirements

- Canadian citizens, permanent residents, and foreign nationals are eligible.
- Hold a PhD OR be a health professional (HP) in active clinical service.
- Hold a Postdoctoral fellowship or equivalent at a <u>BC university or research institution</u> by the award start date, and for the duration of the award.
- Project in 1 of 4 research themes (Biomedical, Clinical, Health Services Research, Population Health), with clear link to human health.
- < 6 years from completion of PhD degree as of September 1, 2024 (<11 years for HP).
- 75% protected research time committed by supervisor (50% for HP).

Supervisor(s)

An applicant can have **up to two** supervisors. The primary supervisor must have an <u>academic</u> <u>appointment</u> (assistant, associate, or full professor) with a BC institution that holds a memorandum of understanding with Health Research BC. Applicants may also have a co-supervisor who is an independent researcher with expertise related to the proposed research area. The co-supervisor may be located outside of BC.

The primary supervisor agrees to:

- Supervise the applicant's research and provide the resources that are necessary for the successful completion of the research project including any KT activities.
- Administer the research and travel allowance of the award recipient.
- Respect the obligations described in the Health Research BC Research Trainee competition guidelines and conditions of award.

Changes for 2023

- Covid-19 impacts are now incorporated into the Career Timeline section
- Space to detail your Pathway to Impact (Knowledge Translation) and engagement of research users, including people with lived/living experience

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.

- It's more than dissemination
- 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 wasted¹
- MacLeod et al. estimated that across all health research this amounted to ~US\$200B of wasted funding in 2010²

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

²Macleod 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

The contextualization and integration of research findings of individual research studies within the larger body of knowledge on the topic.

Dissemination

The active, purposive distribution of research findings tailored to the unique needs of appropriate audiences with the intent to spread information.

Exchange

The giving and receiving of knowledge between researchers and research users throughout the research cycle resulting in mutual learning.

Implementation

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

The scientific study of the methods used to synthesize individual research findings within the larger body of knowledge on the topic.

Science of Knowledge Dissemination

The scientific study of processes and variables that determine and/or influence the spread of knowledge to various stakeholders.

Science of Exchanging Knowledge

The scientific study of the methods used to exchange knowledge between researchers and research users that results in mutual learning.

Implementation Science

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 <u>not</u> the same as KT Research
 - But KT Research proposals should include KT Practice activities
- KT Practice activities should be included in <u>all</u> 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!

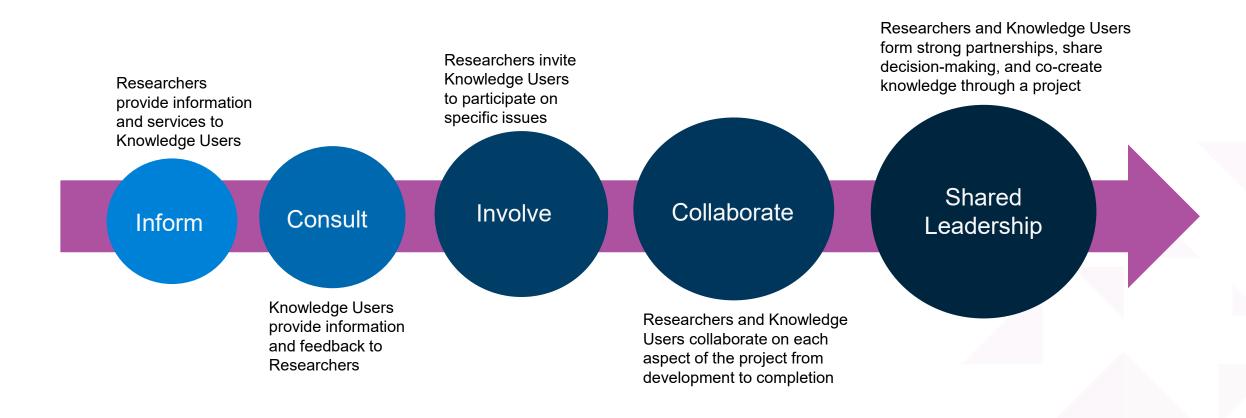
End-of-Grant KT vs. Integrated KT vs. Patient-oriented Research

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

Participant Involvement in Research



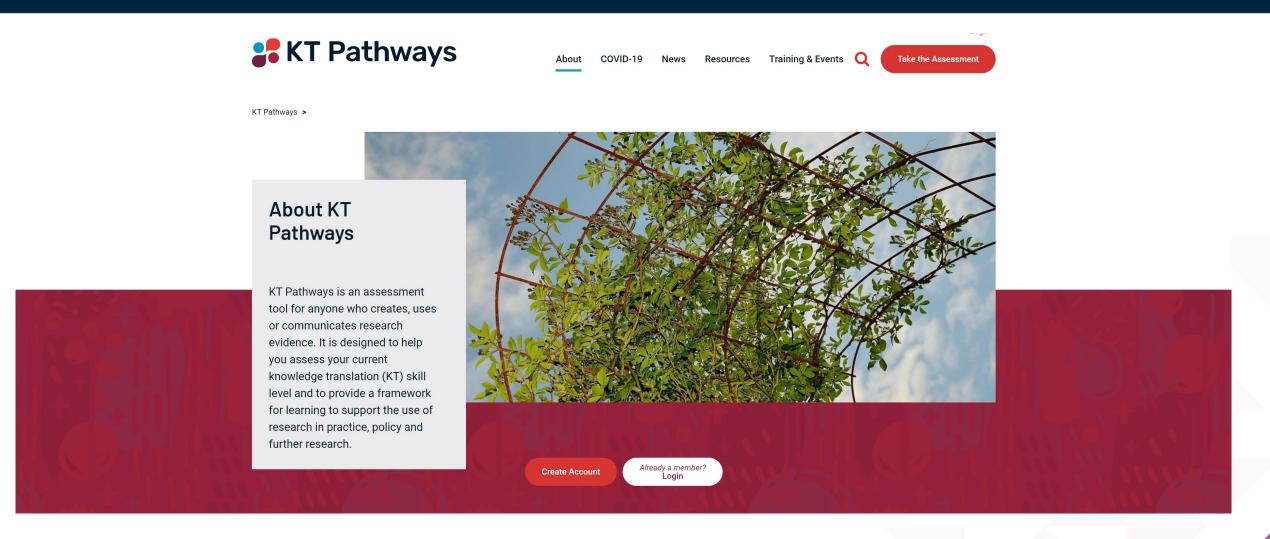
Balaz & Morello- Frosch. The three R's: How community based participatory research strengthens the rigor, relevance and reach of science. Environmental Justice, (2013) 6:1

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

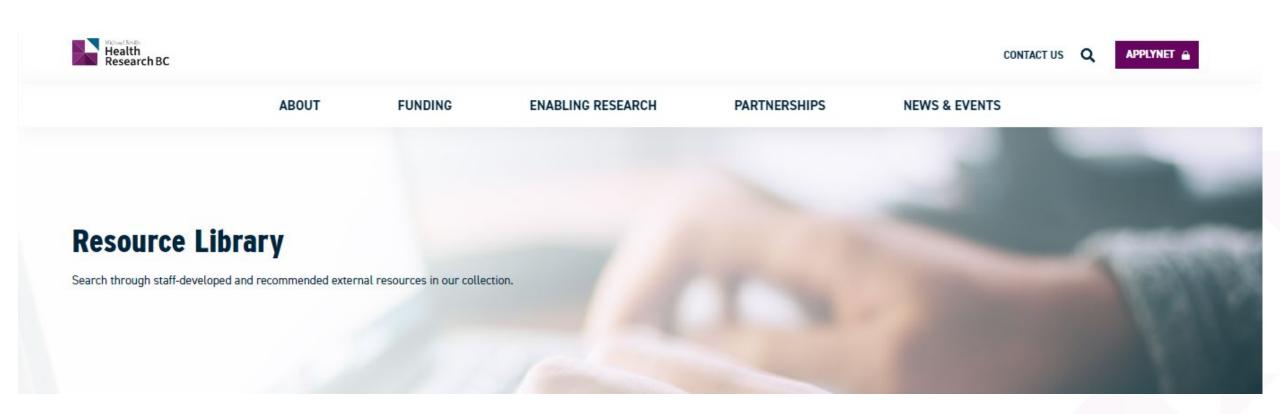
Types of Research Users

- 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

Pathway to Impact Resources



Pathway to Impact Resources



healthresearchbc.ca/resource-library/

Pathway to Impact Resources



Pathway to Impact Resources

In addition to the resources below, Health Research BC's Knowledge Translation, Patient-Oriented

Research & Implementation Science Resources guide provides examples by research theme of KT and Patient-Oriented Research as well as implementation science activities and resources to support development and implementation of your pathway to impact activities.

Knowledge Translation

- Health Research BC Knowledge Translation
- REACH BC
- A Guide to Researcher and Knowledge-User Collaboration in Health Research
- Moving into action: We know what practices we want to change, now what? An implementation guide for health care practitioners

Engaging with People with lived/living experience Partners and Patient Oriented Research

- BC SUPPORT Unit Information for Researchers
- CIHR Patient Engagement Training course
- A Journey Through Public & Patient Engagement in Health Research: A Road Map
- BC SUPPORT Unit: How patient oriented is your research?
- Workbook to guide the development of a patient engagement in research (PEIR) plan

Partnerships 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 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.
- The full list of our partners and their co-funding interests can be found on our website.



2022-2023 Co-Funding Partners





Pacific Parkinson's RESEARCH INSTITUTE





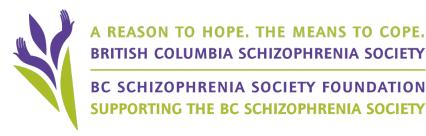
















Application and Review Process

Evaluation

Evaluation Criteria

Applications to the respective themes will be assessed against the indicated criteria and weightings below. Evaluation criteria are the same for all four themes.

Criterion	Weighting
Applicant expertise and experience	30%
Research project	50%
Environment and support	20%

Application Development Tips

- 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 <u>easy to read</u>. Use <u>headings</u> to show a logical progression and break up the text into <u>paragraphs</u>.
 Don't be afraid of white space.



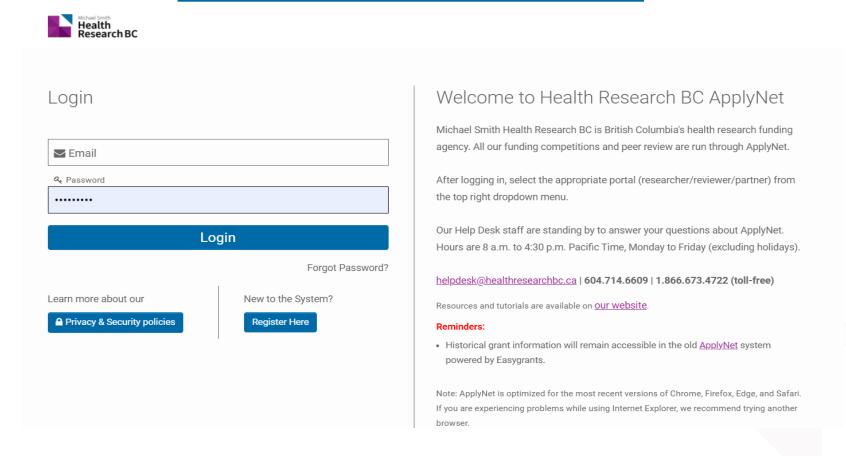
Application Development Tips

- 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 4 additional pages for your appendices, which may include references, tables, charts, figures, and photographs, however if the data is important to your program of research, please include it within the main 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 https://healthresearchbc.smartsimple.ca/

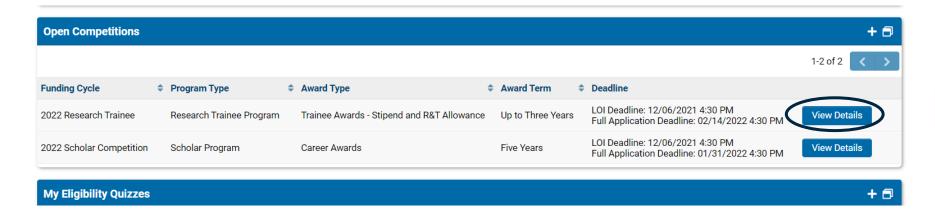


Health Research BC ApplyNet

From the home page, click Apply.

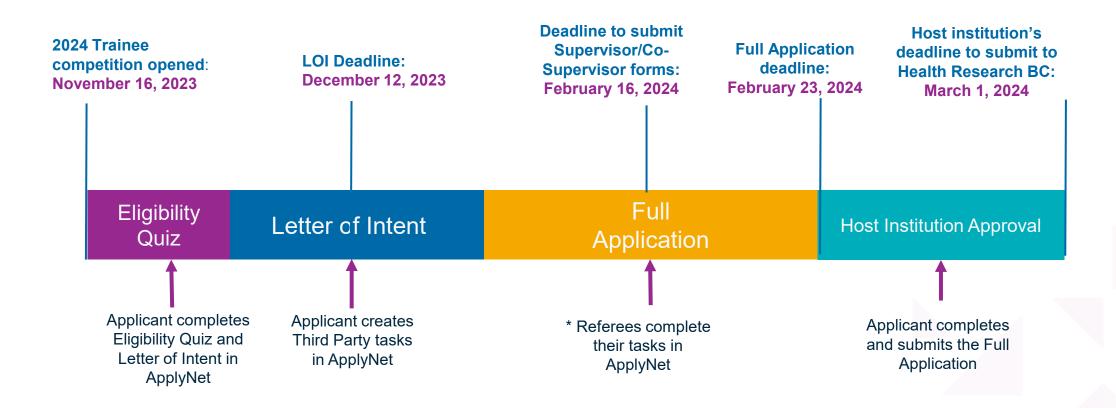


The next page will display a list of competitions available for application.



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: Supervisor (and optional Co-Supervisor), at least 2 (max 3) referees

Contact Info and key application dates

- For questions regarding the application and submission process, please contact:
 - Asta Jureliaviciute
 - Coordinator, Research Competitions
 - 604.714.2778
 - trainee@healthresearchbc.ca
- For technical support with ApplyNet, please contact:
 - Health Research BC Help Desk
 - 604.714.6609
 - helpdesk@healthresearchbc.ca

Stages in Competition Cycle	Date
Letter of Intent Deadline	December 12, 2023 4:30 p.m. PT
Full Application Deadline	February 23, 2024 4:30 p.m. PT
Peer Review	May – June 2024
Funding Announcement	August - September 2024
Award Start Date	September 1, 2024

Thank you!



