

ANNUAL REPORT | APRIL 1, 2019 - MARCH 31, 2020

# **UNBC** UNIVERSITY OF NORTHERN BRITISH COLUMBIA

## **Health Research Institute**

Image: UNBC Prince George campus aerial view



*University of Northern BC*

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# MESSAGE FROM HRI CO-CHAIR, MARTHA MACLEOD

2019-2020 was the year that saw the Health Research Institute maintaining and gaining momentum in health research excellence, while navigating the challenges of work stoppage and COVID-19.

A few highlights were that the HRI manager and staff assisted more researchers than ever in proposal development, project start up, and implementation. The Knowledge Synthesis Centre began with a soft launch, and the brown bag lunches and seminar series went fully on-line. The close partnership with Northern Health was extended and new relationships developed with provincial ministries and the school district. Finally, capacity development took a new turn with the graduate student awards under the auspices of the BC SUPPORT Unit Northern Centre.

It is heartening to see, in this time that demands flexibility and clear purpose, how the Health Research Institute, through the efforts of its members, the Leadership Council, and staff have supported the ongoing commitment of UNBC to extending health research in its many forms.

**Martha MacLeod - PhD**

Co-Chair, Health Research Institute

Professor, Nursing

Professor, Health Sciences

Northern Health - UNBC Knowledge Mobilization Research Chair



# ABOUT THE INSTITUTE

The UNBC Health Research Institute (HRI) is designed to enable UNBC's health researchers to further health research and innovation. The Institute provides a venue for collaboration, support, and the creation of partnerships among researchers from many disciplines concerned with health and its determinants. All who are engaged in health research are invited to become members of the HRI. Members of the HRI include researchers and students from across UNBC and its partners.

## Vision

The UNBC Health Research Institute envisions a world in which healthy individuals, families and communities live without health inequities.

## Mission

To facilitate the creation and translation of knowledge that will enhance the health and well-being of individuals, families and communities. The Health Research Institute will pursue this mission through promoting knowledge creation, knowledge synthesis and exchange, fostering links among researchers, stakeholders and partners such as Northern Health (NH), and developing research capacity.

## Core Strategic Directions

The Health Research Institute has four core strategic directions. While they are outlined separately, they are interconnected in practice.

1. Knowledge Creation
2. Knowledge Synthesis and Exchange
3. Fostering Linkages
4. Capacity Development

## Themes

Our members conduct research in the following areas:

- Biomedical
- Clinical
- Social & Environmental Determinants of Health
- Indigenous Health
- Health Services and Policy



## Services

One of the ways that the Institute supports health research at UNBC is by sharing services and co-location of staff and research associates/assistant. This has allowed for synergy in research training, the maximization of research resources, and full utilization of space and research equipment (TAL 10-1586), as many research assistants and trainees work on specific projects part-time. It has meant that experienced research staff are available at short notice, which translates into flexibility and responsiveness when working with researchers and fulfilling a Secretariat role with research partners.

The HRI staff provide services to faculty, students, and partners, such as:

- Networking and partnership development
- Research proposal development
- Provide letters of support and/or collaboration for new proposed research and training
- Research project support (start up, implementation and monitoring)
- Provision of a venue for mentorship, training and capacity strengthening for faculty, trainees, and students
- Knowledge synthesis development and support
- Knowledge translation and exchange opportunities



Image: Let's Talk Aging and Technology in the North event, November 6, 2019



Image: 2019 Northern BC Research and Quality Conference workshop



# LEADERSHIP COUNCIL

The Leadership Council provides overall stewardship of the HRI. The Council works collaboratively to mobilize resources to support research development and the emerging long-term strategic vision of the Institute.



**Martha MacLeod**

School of Nursing  
Co-Lead



**Henry Harder**

School of Health Sciences  
Co-Lead



**Margot Parkes**

School of Health Sciences



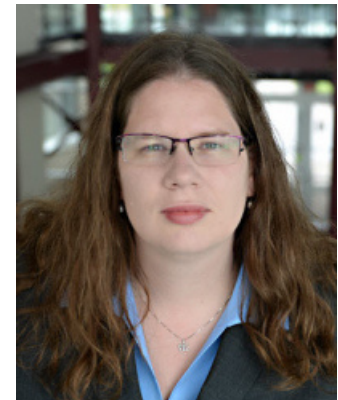
**Sarah Gray**

Northern Medical Program



**Lela Zimmer**

School of Nursing



**Shannon Freeman**

School of Nursing

**Daman Kandola**

Student Representative  
PhD Candidate, School of Health  
Sciences



**Erika Belanger**

Student Representative  
Masters Student, School of  
Health Sciences



**Rachael Wells**

HRI Manager



**Bree Loeffler**

Administrative Assistant



**Leana Garraway**

Research Associate



**Erica Koopmans**

Research Associate



**Shayna Dolan**

Research Associate



# UPDATE ON INSTITUTE ACTIVITIES

APRIL 1, 2019 - MARCH 30, 2020

Image: NH CEO, Cathy Ulrich, providing welcoming remarks at the Let's Talk Aging and Technology in the North event.





# KNOWLEDGE CREATION

## SUMMARY OF PROGRESS

The Institute supports faculty and trainees to develop their capacity to create new knowledge. Research is not undertaken under the auspices of the HRI itself, but facilitates and supports research activities. Over the past year, the HRI has supported its members to develop new knowledge in the following ways:

### **Seed Funding Programs:**

#### **Developing Northern Research Collaborations Awards, BC SUPPORT Unit Northern Centre Initiative**

The BC SUPPORT Unit Northern Centre, co-led by the HRI and NH, established a funding program for UNBC and NMP researchers to request funding to work with health care providers, decision makers, and patient partners to develop collaborations for person, family, and community centred research that focuses on northern issues and challenges. The successful teams receive up to \$10,000 a one-year term. To date, the Northern Centre has funded 10 awards to support researchers to establish patient-oriented research teams and catalyze new research plans. For a detailed list outlining teams who have received funding to date, please visit the [HRI Website](#), or see Appendix B. Upcoming teams will begin their projects on April 1, 2020.

#### **Collaboration for Health Research in Northern BC, PHSA-NH-UNBC Partnership**

The HRI continues to serve as the Secretariat for the UNBC, Provincial Health Services Authority (PHSA) and NH partnership and support the teams funded by the Collaboration for Health Research in Northern BC Seed Grant Program. The HRI has released six calls for applications since 2016 and provided funding to twenty teams and four of these teams are still active. For a detailed list of the funded teams, please visit the [HRI Website](#), or see Appendix C.

## Supporting research proposal development and project support:

The HRI manager and staff has developed considerable skill in working with a variety of health researchers on research proposal development and submissions. Once projects are successfully funded, the HRI staff are available to provide project start up, implementation and monitoring. This service is cost recovered from the Academic Lead.

- Proposal development support: 24 applications submitted (e.g., CIHR, MSFHR, BC SUPPORT Unit).
  - Letters of Support provided: 4
  - Letters of Collaboration provided: 2
- Number of funded proposals: 17
  - Project start up support: 14
  - Project implementation and monitoring: 12

Image: Participants at the Physical Activity and Health Summit take a stretch break



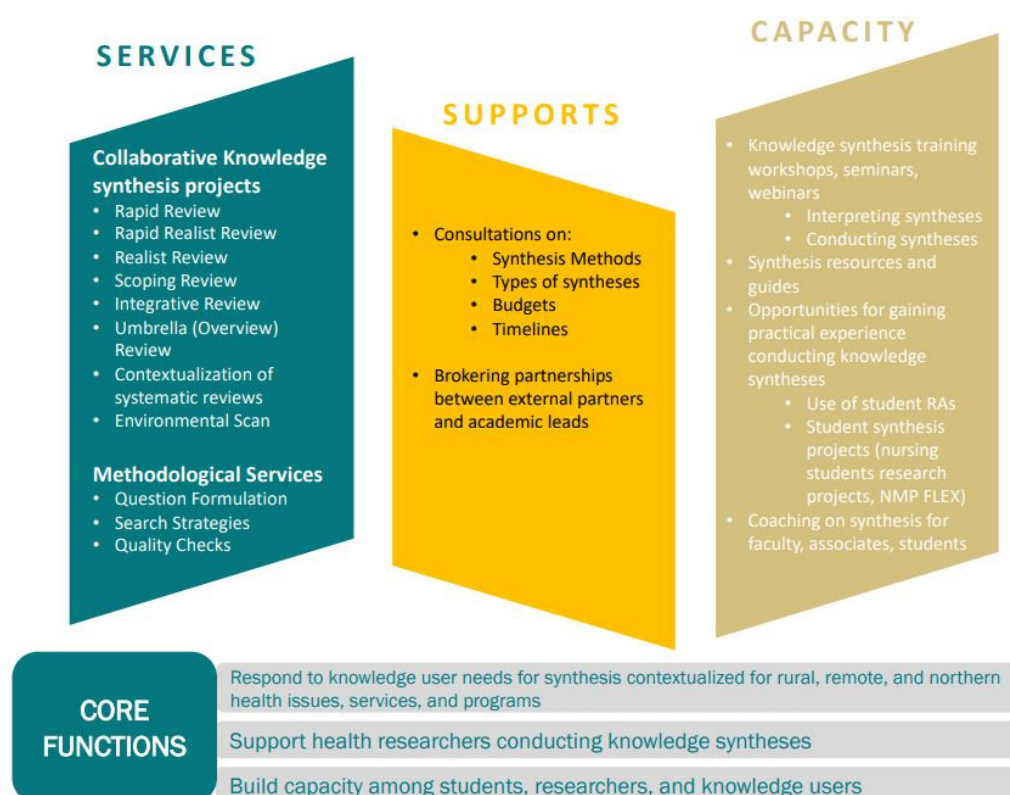
# KNOWLEDGE SYNTHESIS AND EXCHANGE

## SUMMARY OF PROGRESS

The HRI hosts and facilitates many opportunities for knowledge exchange. We offer two regular monthly seminars, partner with UNBC faculty and other organizations to host conferences and seminars and offer guest presentations when possible. A major achievement in this past year has been the development of the UNBC Knowledge Synthesis Centre, which is located within the HRI, and led by the NH-UNBC Knowledge Mobilization Research Chair (Dr. Martha MacLeod). The HRI uses several communication channels to promote the work of HRI Members, these include the HRI website, email list and twitter account, monthly e-newsletters (BC SUPPORT Unit Northern Centre and AHSN).

### Knowledge Synthesis Centre

The Knowledge Synthesis Centre was established to create a structure and process to provide more consistent support for syntheses undertaken by UNBC faculty. In 2019, the HRI undertook a soft launch of the KS Centre to test out its feasibility and sustainability with UNBC faculty and their partners.





## KS Centre Goals

- Provide timely, contextualized, evidence-based syntheses to inform the optimal management of patient care, resources and services, and development of policy and programs
- Support researchers in conducting high quality, rigorous, health related knowledge syntheses with rural and northern applicability
- Involve patients, partners, and decision makers in meaningful ways in synthesis and contextualization process
- Offer training and mentorship opportunities to students, researchers, and knowledge users
- Make syntheses more visible and obtainable
- Inform the design and conduct of new health research attentive to the needs and realities of northern British Columbians

## Knowledge Synthesis Centre Projects, 2019 - 2020

Project	Academic Lead	Partner(s)	Type of Review	Status
Hermeneutic Approach to Implementation Scoping Review*	Martha MacLeod	Northern Health	Scoping Review	In Progress
Community Critical Response Framework for Critical Incidents Impacting Children & Youth	Henry Harder	Northern Health; School District 57; Ministry of Children & Family Development	Overview of Reviews (Focus groups & Process mapping also supported)	Complete
Physical Literacy	Chesea Pelletier	Northern Health; BC Alliance for Healthy Living	Rapid Scoping Review	Complete
Resources for sleep education in early childhood*	Caroline Sanders	Northern Health, PHSA	Literature Review	Complete
Health Impacts and Mitigation strategies	Chelsea Pelletier	BC Wildfire Service	Scoping Review	In Progress
Gender Based Violence Interventions in Africa	Sylvia Barton	Faculty Project	Scoping Review	In Progress
Health Research Networks*	Davina Banner-Lukaris	CIHR; SPOR Evidence Alliance	Systematic Review	In Progress

\*represents projects that are patient oriented

### Brown Bag Lunch Series

The Brown Bag Lunch series is a joint initiative between Northern Health and UNBC to promote health research and quality improvement in the North. The series takes place on the fourth Thursday of every month and feature a variety of health research and quality improvement topics and presenters. The presentations are held at the University Hospital of Northern BC (UHNBC) and available remotely via WebEx. Recordings of the Brown Bag Presentations are available on the [NH website](#).

### Brown Bag Lunch Series Speakers April 1, 2019 - March 31, 2020

Month	Presenter	Affiliation	Presentation Title
February 2020	Sarah Nelson and Kathi Wilson	Queen's University and University of Toronto	Understanding barriers to health care access through cultural safety and ethical space: Indigenous people's experiences in Prince George, Canada
January 2020	Stuart Johnston, Dave Snadden, Erika Belanger, & Krystal Wong	Rural Coordination Centre of BC	Rural Coordination Centre of BC's Rural Site Visits Project
November 2019	Alexandra Marleau	UNBC Graduate Student	The understanding and management of stroke risk in patients with atrial fibrillation in northern British Columbia
October 2019	Ildiko (Ildi) Polgar	Northern Health	Untangling Complexities: Journey to Inactive Status of Casual Home Support Community Health Workers
September 2019	Martha MacLeod & Erica Koopmans	UNBC Health Research Institute	Developing a Northern BC Knowledge Synthesis Centre
June 2019	Georgia Betkus & Meg Labron	UNBC Graduate Students	Co-Creating Meaningful Patient Oriented Participatory Research on Gardening and Horticultural Therapy in a Long-Term Care Facility
May 2019	Chelsea Pelletiers & Anne Pousette	UNBC & Wellness in Northern BC	Conceptualizing "patient-oriented" for population health research
April 2019	Floyd Besserer	Northern Medical Program	Trends in prehospital research: opportunities for engagement

## Health Research Seminar Series

The UNBC Health Research Seminar Series runs monthly between September and April and provides a venue for local and visiting researchers from a variety of disciplines and UNBC honors and graduate students to present their research. The Seminar Series is sponsored by UNBC Schools of Social Work, Nursing and Health Sciences and the Northern Medical Program. As well, the Sun Life Financial Rural Endowment Fund provides financial support to run the logistics and catering for the event. Attendance is generally 10-20 persons in person and online. Recordings of past sessions can be viewed on the [HRI Website](#).

### Health Research Seminar Series Speakers April 1, 2019 - March 31, 2020

Month	Presenter	Affiliation	Presentation Title
March 2020	Sarah de Leeuw	School of Health Sciences, NMP	Health, Arts, and the Humanities: Crossroads Worth Critical and Creative Conversations
February 2020	Andrea Gingerich	Northern Medical Program	Failure-to-Fail in medical education: What are we thinking?
January 2020	Henry Harder	School of Health Sciences	Indigenous Research and the Importance of Epistemological Humility
October 2019	Travis Holyk	First Nations Studies	Sux Ganah (my words): A story of engaging in Indigenous Health Research
September 2019	Robin Roots	Physical Therapy	Filling two needs with a single deed: the Prince George Cardiac Pulmonary Rehabilitation Program improves patient outcomes and student learning



## Guest Presentations and Sponsored Events

The HRI welcomes the opportunity to work with its members and partners to host guest presentations and support events that align with its mission. We encourage HRI members to work with the Institute as a venue for logistical and promotional support for their knowledge translation and exchange activities. The table below summarizes the presentations and events that the HRI sponsored, co-hosted or supported over the past year.

Date	Person/Group & Affiliation	Type	Title
March 3, 2020	Lianne P. Jeffs, inaugural Research and Innovation Lead and Scholar in Residence and Senior Clinician Scientist with Lunenfeld-Tanenbaum Research Institute of Sinai Health System and an Affiliate Scientist in the Keenan Research Centre of the Li Ka Shing Knowledge Institute of St. Michael's Hospital.	Guest Presentation	Advancing Science of Care through Research, Improvement and Innovation
February 11, 2020	BC Lung Association	Livestream Workshop	Air Quality and Health Workshop: Environmental Justice of Air Quality in the Era of Citizen Science
November 20, 2019	BC SUPPORT Unit	Conference/Sponsored Event	Putting Patients First
November 7-8, 2019	BC Academic Health Sciences Network (BC AHSN)	Conference/Sponsored Event	Caring for Older Adults: Health, Wellness & Person-Centred Care
November 6, 2019	Shannon Freeman, Assistant Professor, School of Nursing, UNBC	Sponsored Event	Let's Talk Technology and Aging in the North
October 17, 2019	Gisèle Carrière, Senior Social Science Researcher, Statistics Canada	Guest Presentation	Linked Health Data: New Research Opportunities for Health Information
September 2019	Health Canada's Office of Clinical Trials and the Clinical Trial Compliance Program	Guest Presentation	(1) an introduction to ICH E17 Multi-regional Clinical Trials; (2) inspections in Canada; and (3) an introduction to using Guide 100 to comply with the Canadian regulatory framework. The event also included an overview of the addenda to ICH E6 (R2) GCP, N2 Updates and the BC Provincial Membership.
May 24, 2019	Dr. Cosgrove, PhD. MA, Research Fellow at the University of Melbourne, Department of Rural Health, Australia	Guest Presentation	Trialing a whole-of-person approach for improving retention of rural-based health professionals

Please email [hri@unbc.ca](mailto:hri@unbc.ca) if you are interested in working with the HRI to support an upcoming knowledge translation or exchange activity.

# FOSTERING LINKAGES

## SUMMARY OF PROGRESS

Linkages are fostered through the creation of partnerships, the provision of secretariat functions with UNBC health related partners, liaising with other research institutes at UNBC and elsewhere. The HRI also plays an active role in facilitating linkages for students and trainees to enhance their training, mentorship and development while at UNBC. The Secretariat function to the partnered initiatives has allowed the HRI to secure funding that supports health researchers and the development of health research and researcher capacity. The goals and objectives for each partnered initiative can be viewed on the HRI Website.

### Secretariat Partners

Over the past year, the HRI continued to work in close partnership to provide secretariat functions with the following partners:

- Northern Health (NH)
- Rural Coordination Centre of BC (RCCbc);
- BC SUPPORT Unit Northern Centre and
- Provincial Health Services Authority (PHSA).



## Collaborations

The HRI works closely with the UNBC Research Institutes (The Natural Resources & Environmental Studies Institute (NRESi) and The Community Development Institute (CDI)) to foster the development of interdisciplinary research that focuses on the cumulative impacts of resource development in northern BC. The Institutes formed a Cumulative Impacts Research Consortium (CIRC) as a mechanism to engage stakeholders and foster linkages across northern BC in this area. As a result of the work undertaken by the CIRC, the HRI has been approached by the Fraser Basin Council to support the Nechako Watershed Roundtable to continue discussions about integrative approaches and innovative solutions to the health and wellbeing of communities and the environments they are situated within.

The HRI also established new relationships with Northern BC Ministry of Children and Family Development, School District 57 (SD57) in its work with NH to focus on developing a community response plan for critical incidents among children and youth. This partnership engaged stakeholders across the SD57 in developing the response plan. The HRI Knowledge Synthesis Centre supported Henry Harder to bring current evidence

The HRI's work in facilitating conferences and meetings have allowed researchers and students to become better known throughout the province for their expertise. This year, the HRI has fostered the involvement of UNBC faculty in BC SPOR SUPPORT Unit Methods Cluster projects, as well as hosting consultation meetings for the Academic Health Sciences Network (AHSN), MSFHR, and Ministry of Health with northern faculty and students.



Image: Henry Harder, Barb Oke, Chris use, and Sandra Martin Harris present at a CIRC Forum on Assessment of cumulative impacts on health and wellbeing



## Working Groups and Committees

The HRI manager and staff are members of several local/regional, provincial, and national working groups and committees. The Secretariat function provided by the HRI for Partnered Initiatives provides opportunities to enhance research activities at UNBC. with the aim to enhancing UNBC's research and partnerships.

### Local/Regional

- UNBC Regional Data Centre Advisory Committee
- UNBC Research Week Conference Planning Committee
- Academic Health Sciences Network Northern Node Planning Committee
- Northern BC Research and Quality Conference Planning Committee
- Brown Bag Planning Committee
- UNBC Health Research Seminar Series Planning Committee
- Cumulative Impacts Research Consortium Steering Committee
- NH-UNBC-NMP Clinical Research Working Group

### Provincial

- BC SUPPORT Unit Working Groups:
- Each working group involves members from each regional health authority, patient partners, academic institutions (SFU, UVIC and UNBC).
- Research Navigators
- Training and Capacity Development
- Patient Engagement
- Knowledge Translation
- Regional Centre Leads
- Reporting and Operations
- Support Unit Conference Planning

### National

- N2 Clinical Trials and Education and Awareness Working Group
- Pediatrics Resource Work Group

# CAPACITY DEVELOPMENT

## SUMMARY OF PROGRESS

A major focus in 2019-2020 for the HRI was developing and enhancing patient-oriented research and researcher capacity. This was achieved by providing workshops and presentations about the foundations of patient oriented research and a funding award for trainees.

### **Introduction to Patient-Oriented Research Workshops and Presentations:**

- April 2019: Foundations of Patient Oriented Workshop, hosted by Rachael Wells, Tammy Hoefer, and Tamara Reichert, Fort St James
- June 2019: Research Skills Workshop: Patient Journey Mapping & Patient Oriented Research, hosted by Chelsea Pelletier and Denise Jaworsky, and Tamara Reichert, UNBC Terrace Campus.
- October 3, 2019: Health Sciences Senior Undergraduate/Graduate Seminar (HHSC 497/795), presented by Rachael Wells
- February/March 2020: Introduction to Nursing Research (NURS 403), presented by Rachael Wells and Tina Strudsholm

### **Funding for Trainees: BC SUPPORT Unit Northern Regional Centre – Graduate Studentship Award**

The BC SUPPORT Unit Northern Regional Centre developed a Graduate Studentship Award to provide a one-year stipend to UNBC Master's and PhD students. The objectives of this award are to:

- Support and train thesis-based graduate students in the principles and practice of patient-oriented research;
- Provide patient-oriented training activities to develop capacity through an interdisciplinary approach that fosters collaboration between research partners (e.g., applicants, thesis supervisors, clinicians, patient partners, and community team members);
- Create opportunities for research partners to work together, from conceptualization of the research question through to dissemination and implementation of results; and
- Demonstrate the impact of the studentship for graduate students and their research.

In 2019-2020, two graduate students received a Graduate Studentship Award for June 1, 2019 - May 31, 2020.

**Erika Belanger, Masters of Health Sciences**

Project Title: "Community Pharmacy Providers' Experiences of Over the Counter Codeine Product Sales in British Columbia"

**Alex Douglas, Masters of Science in Interdisciplinary Studies**

Project Title: "The Rehabilitative Effects of Vodder's Manual Lymphatic Drainage on Patients Experiences with Concussions"



Image: Erika Belanger and Alex Douglas, winners of the 2019 Graduate Studentship Award

A second call for applications opened in early 2020, with a start date of April 1, 2020 for the next studentship awards. For a list of award winners, please visit the [HRI Website](#).



# LOOKING FORWARD

2020 - 2025

Henry Harder (UNBC) and Dr. Travis Holyk (CSFS) during a press release on their \$1.5 million dollar CIHR grant to pursue a five-year research project focused on strengthening mental wellness and suicide prevention for Elders in B.C.'s Northern Interior.



# LOOKING FORWARD

## 2020 - 2025

The HRI will continue to pursue its four strategic directions/goals: knowledge creation, knowledge exchange and translation, fostering linkages, and capacity development. It will implement objectives and activities in a collaborative and networked way, which allows the Institute to be strategic yet flexible and opportunistic in its actions, within UNBC's new academic structure.

### Objectives and Activities for the Next 5 Years:

#### Knowledge Creation

Objectives	Activities
To increase the breadth of engagement with our Partners for knowledge creation	Create forums for exchange of ideas and interconnections amongst researchers and knowledge users to identify knowledge needed to inform decision making and change
To continue and increase support for grant development and grant management	Support the services provided by the Office of Research and Development shared resources for health research and training (e.g., RAs, supplies, equipment, space, web maintenance/coordination for health researcher website)
To foster the building of research teams (e.g., including researcher/knowledge user teams)	Continue to offer seed and team development grants that promote partnerships and patient oriented research and Look for opportunities to support research development in all research themes

#### Knowledge Exchange and Mobilization

Objectives	Activities
To create a sustained Knowledge Synthesis Centre	Be responsive to our Partners' evidence needs
	Develop champions in KS methods
	Create streamlined processes to accept funding for KS projects
	Increase KS training opportunities
	Implement the KS Centre Development Plan, including its evaluation
To support KT/Scientific communication – graphics/KT products	Develop/profile resources and tools to assist researchers in sharing their evidence to a variety of audiences.
	Develop/profile resources to support the development of KT products in a variety of media platforms (web-based, print, video)
To promote the creation of scholarly materials and materials for knowledge users	Explore the potential of offering publication assistance
	Establish an HRI discussion paper series
To offer training in knowledge translation	Undertake MSFHR KT Pathways training to develop northern champions who can offer KT Pathways training



## Fostering Linkages

Objectives	Activities
To continue to advocate for the strengths of UNBC's research environment with funding agencies	Continue to serve as the Secretariat for UNBC health related partnerships
To maintain and extend a strong multidisciplinary research culture	Liaise with other research institutes and centres at UNBC  Continue to promote the HRI within schools and programs across UNBC  Work intentionally with the new UNBC faculties
To enhance researcher and trainee reputation and linkages	Foster working relationships with health research institutes provincially, nationally, internationally

## Capacity Development

Objectives	Activities
To become a training hub for health research trainees and junior faculty	Mentor students (e.g., links among graduate students; create events that engage undergraduates) Offer specific training in: Knowledge synthesis methods Knowledge translation and exchange Scientific writing (manuscript preparation and grant design) Conduct a review to understand the training and development needs of HRI members and their trainees in order to ascertain how the Institute can contribute to addressing these needs in a diverse, multidisciplinary research environment Provide opportunities for researcher development in collaboration with the UNBC Office of Research (e.g., training for RAs; grant writing workshops, how to manage grant funding, databases and their analysis) Plan for core training activities to be offered through the HRI
To continue to advocate for improved data access and training for research needs	Continue role on RDC @ UNBC Advisory Committee Promote opportunities for training and use data for research Leverage regional centre model as a member of the AHSN to engage in upcoming developments for health data access in BC to better support researcher and trainees working with health administrative data
To enhance UNBC's training environment	Leverage partnership with Academic Health Sciences Network, Northern Health and the Ministry of Health to enhance our training environment
To strengthen UNBC's capacity in Clinical Research	Contribute to the orientation and scholarly development of new faculty Leverage the provincial and national supports for clinical research through the AHSN and N2 to strengthen and increase capacity for the UNBC REB and local infrastructure for the successful conduct of clinical research Provide access to Clinical Research education and training through N2 Work with Office of Research to implement systems for successful clinical research (ethics, quality management system, etc.) Leverage and share development opportunities through the AHSN (Clinical Trials BC)
To support the growth of the UNBC health research training environment	Promote information sharing about current research training opportunities to undergraduate and graduate students (e.g., distribution of information on funding opportunities; contribute to Office of Research database)
To develop student engagement.	Bring graduate students together in education and social events Offer more meet-ups, networking events, and training targeted to students Actively look for and act on opportunities to foster research leadership development



## Strengthening the HRI and it's Services

Objectives	Activities
To promote the benefits of being involved with the HRI to researchers and research trainees	Develop structures and processes to support shared services for HRI researchers Create an outreach component to HRI membership
To continue to offer a Secretariat function for UNBC-NH partnered endeavors	Maintain the role of the BC SUPPORT Unit Northern Regional Centre
To confirm ongoing space for the HRI that serves its mandate for networking and support of faculty through shared services	Continue to articulate the needs for ongoing space to meet the needs of the HRI.
Develop on-going funding support for core business functions of the Institute	Confirm core business functions of the HRI and how these enhance the goals and objectives of the Office of Research and Graduate Programs Establish mechanism to determine funding levels with and from the Office of Research
To formalize the structures and processes that the HRI offers to support research development	Review and formalize structures and processes for services to be offered by the HRI, e.g., grant start up support, supervision of research project staff, assistance of research staff recruitment, provision of research assistant opportunities for students, mentorship of research project staff, research fund management, facilitation of targeted funding support
To incorporate regular evaluation of HRI initiatives and actions	Implement an evaluation and monitoring system to better capture the outcomes achieved by researchers and trainees through partnered initiatives and funding
To sustain and renew the HRI Leadership	Diversify and expand the Leadership Council Develop champions for the Institute across all programs and faculties at UNBC
To expand researcher roles within the Institute	Explore with the VP Research opportunities to include visiting scholars and research scientists within the HRI

# APPENDICES

Image: The HRI manager and staff are located in UNBC's Teaching and Learning Building



# APPENDIX A

## membership list

Lela Zimmer  
Nicole Balliet  
Alanna Koopmans  
Alex Douglas  
Amanda England  
Amy Klepetar  
Anastassi Halka  
Andrea Gingerich  
Anne Pousette  
Anne Sommerfeld  
Annette Thuesen  
Annie Duchesne  
Atlin Braaten  
Blanca Schorcht  
Bree Loeffler  
Brooke Boswell  
Bruce Danesh  
Candida Graham  
Caroline Sanders  
Catharine Schiller  
Celia Belamour  
Chelsea Pelletier  
Chow Lee  
Chris Buse  
Christiana Onabola  
Christopher Ross  
Katie Cornish  
Daman Kandola  
Dan Horvat  
Dave Snadden  
Davina Banner-Lukaris  
Dawn Hemingway  
Denise Jaworsky  
Diana Tecson  
Dawn McArthur

Donna Atkinson  
Ray Markham  
Ellen Chesney  
Elaina McCarron  
Emma Rossnagel  
Erica Koopmans  
Erika Belanger  
Erin Wilson  
Fatemeh Mohammadnejad  
Fiona McPhail  
Geoff Payne  
Georgia Betkus  
Glen Schmidt  
Hadassah Abraham  
Han Li  
Henry Harder  
Hui Jun Chew  
Indrani Margolin  
Isobel Hartley  
Jacqueline Pettersen  
Jalil Safaei Boroojeny  
Jason Morris  
Jeff Kormos  
Jennifer Tippet  
Jordana Archer  
Judy Thompson  
Julia Bickford  
Kafui Monu  
Kari Harder  
Karlene Ritchie  
Kathleen Hughes  
Katie Clauson  
Ken Biron  
Ken Prkachin  
Kendra Furber



# APPENDIX A

## membership list

Kevin Adam  
Kevin Keen  
Kimberley Thomas  
Kuo-Hsing Kuo  
Larine Sluggett  
Leana Garraway  
Lianne Tripp  
Linda Van Pelt  
Lindsay Matthews  
Lisa Kyle  
Luke Harris  
Lynda Pattie  
Mal Kaminska  
Mamdouh Shubair  
Margo Greenwood  
Margot Parkes  
Marina Giovannoni  
Mark Barnes  
Martha Macleod  
Mary McLay  
Melanie Robbestad  
NA Chowdhury  
Nadine Caron  
Nadine Meroniuk  
Nancy Jokinen  
N. Cross  
Neil Hanlon  
Nicole Fraser  
Paul Winwood  
R. Stent  
Rachael Wells  
Daniel Ramcharran  
Ranjana Bird  
Rob Olson  
Robin Roots

Roseann Larstone  
Ross Hoffman  
Rukevwe Onororemu  
Russell Callaghan  
Stacey Cabage-Sterling  
Sara Pyke  
Sarah de Leeuw  
Sarah Gray  
Sarah Hanson  
Alina Schroeder  
Sean Maurice  
Shannon Freeman  
Shannon Wagner  
Shayna Dolan  
Sheona Mitchell-Foster  
Si Transken  
Soryoung Sim  
Steinunn Jonatansdottir  
Stephen Rader  
Sylvia Barton  
Tamara Checkley  
Tammy Klassen-Ross  
Tammy Pearson  
Tanis Hampe  
Tassi Halka  
Tina Strudsholm  
Trina Fyfe  
Waqar Haque  
Yaser Ahmed

# APPENDIX B

## Developing Northern Research Collaborations Award

*BC SUPPORT Unit, Northern Centre*

### Active Teams:

#### **Envisioning Health with Nadleh Whut'En**

**UNBC Researcher:** Sarah De Leeuw

**Health System Partners:** Kelly Gunn

**Patient/Community Partner:** Carolyn Hilbert

**Term:** March 2018 - June 2020

#### **Preventing RhD Alloimmunization in Northern BC**

**UNBC Researcher:** Trina Fyfe

**Health System Partner:** Christorina Taruc

**Patient/Community Partner:** Jennifer Hawkes

**Term:** September 2018 - June 2020

#### **Optimizing the Patient Experience in Medical Travel**

**UNBC Researcher:** Denise Jaworsky

**Health System Partner:** Dave Sohi

**Patient/Community Partners:** Howard & Judy Chafin

**Term:** September 2018 - May 2020

#### **Access to Care for Women with Complex Pregnancies in Northern BC: Patient Partner Capacity-Building**

**UNBC Researcher:** Sheona Mitchell-Foster

**Health System Partner:** Denise Jaworsky

**Patient/Community Partner:** Trina Fyfe

**Term:** March 2018 - August 2019

## **Industry and Health in Northern BC Communities**

**UNBC Researcher:** Margot Parkes

**Health System Partner:** Sandra Allison

**Patient/Community Partner:** Garry Thiessen

**Term:** March 2018 - March 2020

## **Building a Patient-Oriented Physical Activity Research Framework for Northern BC**

**UNBC Researcher:** Chelsea Pelletier

**Health System Partner:** Kelsey Yarmish

**Patient/Community Partners:** Anne Pousette

**Term:** March 2018 - August 31, 2019

## **How Can Stories of Stroke Lead to Actionable Health Research and Improve Health Care Services**

**UNBC Researcher:** Davina Banner-Lukaris

**Health System Partner:** Haidar Hadi

**Patient/Community Partner:** Barbara Croome

**Term:** September 2018 - March 2020

## **Improving Mental Health Service User's Experiences of Cancer Care via Patient Engagement**

**UNBC Researcher:** Roseann Larstone

**Health System Partner:** Robert Olson

**Patient/Community Partner:** Carrie McLeod / Linda Hoepfner

**Term:** September 2018 - December 15, 2019



### **Cardiac Rehabilitation in Northwestern BC: Developing Capacity for a Patient-Oriented Research Project**

**UNBC Researcher:** Chelsea Pelletier

**Health System Partner:** Denise Jaworsky

**Patient/Community Partner:** Liane Busse

**Term:** September 2018 - September 2019

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## Collaboration for Health Research in Northern BC Seed Grant Program

*PHSA, NH, UNBC*

### Active Teams:

#### **Growing Our Own: A Resident Focused Pilot Gardening Program in a Long-Term Care Home**

**UNBC Lead:** Dr. Shannon Freeman, Assistant Professor, Nursing

**PHSA Lead:** Lindsay VanderMeer, Clinical Coordinator, Nutrition

**NH Lead:** Erin Branco, Clinical Dietician

**Term:** January 1, 2019 - October 1, 2019

#### **Exploring current provider, patient, parent, non-governmental organization knowledge and practices of infant sleep education programs within Northern BC**

**UNBC Lead:** Dr. Caroline Sanders, Associate Professor, Nursing

**PHSA Lead:** Jana Wong, Reproductive Mental Health Social Worker, BC Women's Hospital

**NH Lead:** Jennifer Begg, Executive lead, Child and Youth Health

**Term:** January 1, 2019 - October 1, 2019

#### **Mapping of pregnancy care for women living with HIV in Northern BC: A qualitative analysis**

**UNBC Lead:** Sheona Mitchell-Foster

**PHSA Lead:** Melanie Murray

**NH Lead:** A. Obeida and A. Hamour

**Term:** January 1, 2018 - December 30, 2019

#### **A recall system to improve vaccine coverage in Northern BC: A pilot community intervention trial**

**UNBC Lead:** Sandra Allison

**PHSA Lead:** Manish Sadarangani

**NH Lead:** Andrew Gray

**Term:** January 1, 2018 - April 30, 2019