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
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
HRI STAFF

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.
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 development 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 centered 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 to 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
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

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

*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

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

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Person/Group &amp; Affiliation</th>
<th>Type</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 3, 2020</td>
<td>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.</td>
<td>Guest Presentation</td>
<td>Advancing Science of Care through Research, Improvement and Innovation</td>
</tr>
<tr>
<td>February 11, 2020</td>
<td>BC Lung Association</td>
<td>Livestream Workshop</td>
<td>Air Quality and Health Workshop: Environmental Justice of Air Quality in the Era of Citizen Science</td>
</tr>
<tr>
<td>November 20, 2019</td>
<td>BC SUPPORT Unit</td>
<td>Conference/Sponsored Event</td>
<td>Putting Patients First</td>
</tr>
<tr>
<td>November 7-8, 2019</td>
<td>BC Academic Health Sciences Network (BC AHSN)</td>
<td>Conference/Sponsored Event</td>
<td>Caring for Older Adults: Health, Wellness &amp; Person-Centred Care</td>
</tr>
<tr>
<td>November 6, 2019</td>
<td>Shannon Freeman, Assistant Professor, School of Nursing, UNBC</td>
<td>Sponsored Event</td>
<td>Let's Talk Technology and Aging in the North</td>
</tr>
<tr>
<td>October 17, 2019</td>
<td>Gisèle Carrière, Senior Social Science Researcher, Statistics Canada</td>
<td>Guest Presentation</td>
<td>Linked Health Data: New Research Opportunities for Health Information</td>
</tr>
<tr>
<td>September 2019</td>
<td>Health Canada’s Office of Clinical Trials and the Clinical Trial Compliance Program</td>
<td>Guest Presentation</td>
<td>(1) an introduction to ICH E6(R1) GCP; (2) an introduction to using Guide 100 to comply with the Canadian regulatory framework; (3) an overview of the addenda to ICH E6(R2) GCP, N2: Updates and the BC Provincial Membership.</td>
</tr>
<tr>
<td>May 24, 2019</td>
<td>Dr. Cosgrove, PhD. MA, Research Fellow at the University of Melbourne, Department of Rural Health, Australia</td>
<td>Guest Presentation</td>
<td>Training a whole-of-person approach for improving retention of rural-based health professionals</td>
</tr>
</tbody>
</table>

Please email 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.
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"

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](#).
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.
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

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>To increase the breadth of engagement with our Partners for knowledge creation</td>
<td>Create forums for exchange of ideas and interconnections amongst researchers and knowledge users to identify knowledge needed to inform decision making and change.</td>
</tr>
<tr>
<td>To continue and increase support for grant development and grant management</td>
<td>Support the services provided by the Office of Research and Develop shared resources for health research and training (e.g., RAs, supplies, equipment, space, web maintenance/coordination for health researcher website).</td>
</tr>
<tr>
<td>To foster the building of research teams (e.g., including researcher/knowledge user teams)</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Knowledge Exchange and Mobilization

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

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

## Capacity Development

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>To become a training hub for health research trainees and junior faculty</td>
<td>Mentor students (e.g., links among graduate students; create events that engage undergraduates)</td>
</tr>
<tr>
<td></td>
<td>Offer specific training in:</td>
</tr>
<tr>
<td></td>
<td>Knowledge synthesis methods</td>
</tr>
<tr>
<td></td>
<td>Knowledge translation and exchange</td>
</tr>
<tr>
<td></td>
<td>Scientific writing (manuscript preparation and grant design)</td>
</tr>
<tr>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>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)</td>
</tr>
<tr>
<td></td>
<td>Plan for core training activities to be offered through the HRI</td>
</tr>
<tr>
<td>To continue to advocate for improved data access and training for research needs</td>
<td>Continue role on RDC @ UNBC Advisory Committee</td>
</tr>
<tr>
<td></td>
<td>Promote opportunities for training and use data for research</td>
</tr>
<tr>
<td></td>
<td>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</td>
</tr>
<tr>
<td>To enhance UNBC’s training environment</td>
<td>Leverage partnership with Academic Health Sciences Network, Northern Health and the Ministry of Health to enhance our training environment</td>
</tr>
<tr>
<td>To strengthen UNBC’s capacity in Clinical Research</td>
<td>Contribute to the orientation and scholarly development of new faculty</td>
</tr>
<tr>
<td></td>
<td>Leverage the provincial and national supports for clinical research through the AHSN and N2 to strengthen and increase capacity for the UNBC RHB and local infrastructure for the successful conduct of clinical research</td>
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<td></td>
<td>Provide access to Clinical Research education and training through N2</td>
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<td></td>
<td>Work with Office of Research to implement systems for successful clinical research (ethics, quality management system, etc.)</td>
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<td></td>
<td>Leverage and share development opportunities through the AHSN (Clinical Trials BC)</td>
</tr>
<tr>
<td>To support the growth of the UNBC health research training environment</td>
<td>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)</td>
</tr>
<tr>
<td>To develop student engagement.</td>
<td>Bring graduate students together in education and social events</td>
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<td></td>
<td>Offer more meet-ups, networking events, and training targeted to students</td>
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<tr>
<td></td>
<td>Actively look for and act on opportunities to foster research leadership development</td>
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</tbody>
</table>
## Strengthening the HRI and its Services

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Activities</th>
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<tbody>
<tr>
<td>To promote the benefits of being involved with the HRI to researchers and research trainees</td>
<td>Develop structures and processes to support shared services for HRI researchers&lt;br&gt;Create an outreach component to HRI membership</td>
</tr>
<tr>
<td>To continue to offer a Secretariat function for UNBC-NH partnered endeavors</td>
<td>Maintain the role of the BC SUPPORT Unit Northern Regional Centre</td>
</tr>
<tr>
<td>To confirm ongoing space for the HRI that serves its mandate for networking and support of faculty through shared services</td>
<td>Continue to articulate the needs for ongoing space to meet the needs of the HRI.</td>
</tr>
<tr>
<td>Develop on-going funding support for core business functions of the Institute</td>
<td>Confirm core business functions of the HRI and how these enhance the goals and objectives of the Office of Research and Graduate Programs&lt;br&gt;Establish mechanism to determine funding levels with and from the Office of Research</td>
</tr>
<tr>
<td>To formalize the structures and processes that the HRI offers to support research development</td>
<td>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</td>
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<tr>
<td>To incorporate regular evaluation of HRI initiatives and actions</td>
<td>Implement an evaluation and monitoring system to better capture the outcomes achieved by researchers and trainees through partnered initiatives and funding</td>
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<tr>
<td>To sustain and renew the HRI Leadership</td>
<td>Diversify and expand the Leadership Council Develop champions for the Institute across all programs and faculties at UNBC</td>
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<tr>
<td>To expand researcher roles within the Institute</td>
<td>Explore with the VP Research opportunities to include visiting scholars and research scientists within the HRI</td>
</tr>
</tbody>
</table>
APPENDICES
<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
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<tbody>
<tr>
<td>Lela Zimmer</td>
<td>Donna Atkinson</td>
</tr>
<tr>
<td>Nicole Balliet</td>
<td>Ray Markham</td>
</tr>
<tr>
<td>Alanna Koopmans</td>
<td>Ellen Chesney</td>
</tr>
<tr>
<td>Alex Douglas</td>
<td>Elaina McCarron</td>
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<tr>
<td>Amanda England</td>
<td>Emma Rossnagel</td>
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<tr>
<td>Amy Klepetar</td>
<td>Erica Koopmans</td>
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<tr>
<td>Anastassi Halka</td>
<td>Erika Belanger</td>
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<tr>
<td>Andrea Gingerich</td>
<td>Erin Wilson</td>
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<tr>
<td>Anne Pousette</td>
<td>Fatemeh Mohammadnejad</td>
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<tr>
<td>Anne Sommerfeld</td>
<td>Fiona McPhail</td>
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<tr>
<td>Annette Thuesen</td>
<td>Geoff Payne</td>
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<tr>
<td>Annie Duchesne</td>
<td>Georgia Betkus</td>
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<tr>
<td>Atlin Braaten</td>
<td>Glen Schmidt</td>
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<tr>
<td>Blanca Schorcht</td>
<td>Hadassah Abraham</td>
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<tr>
<td>Bree Loeffler</td>
<td>Han Li</td>
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<tr>
<td>Brooke Boswell</td>
<td>Henry Harder</td>
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<tr>
<td>Bruce Danesh</td>
<td>Hui Jun Chew</td>
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<tr>
<td>Candida Graham</td>
<td>Indrani Margolin</td>
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<tr>
<td>Caroline Sanders</td>
<td>Isobel Hartley</td>
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<tr>
<td>Catharine Schiller</td>
<td>Jacqueline Pettersen</td>
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<tr>
<td>Celia Belamour</td>
<td>Jalil Safaei Boroojeny</td>
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<tr>
<td>Chelsea Pelletier</td>
<td>Jason Morris</td>
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<tr>
<td>Chow Lee</td>
<td>Jeff Kormos</td>
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<tr>
<td>Chris Buse</td>
<td>Jennifer Tippett</td>
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<tr>
<td>Christiana Onabola</td>
<td>Jordana Archer</td>
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<tr>
<td>Christopher Ross</td>
<td>Judy Thompson</td>
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<tr>
<td>Katie Cornish</td>
<td>Julia Bickford</td>
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<tr>
<td>Daman Kandola</td>
<td>Kafui Monu</td>
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<tr>
<td>Dan Horvat</td>
<td>Kari Harder</td>
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<tr>
<td>Dave Snadden</td>
<td>Karlene Ritchie</td>
</tr>
<tr>
<td>Davina Banner-Lukaris</td>
<td>Kathleen Hughes</td>
</tr>
<tr>
<td>Dawn Hemingway</td>
<td>Katie Clauson</td>
</tr>
<tr>
<td>Denise Jaworsky</td>
<td>Ken Biron</td>
</tr>
<tr>
<td>Diana Tecson</td>
<td>Ken Prkachin</td>
</tr>
<tr>
<td>Dawn McArthur</td>
<td>Kendra Furber</td>
</tr>
</tbody>
</table>
APPENDIX A
membership list

Kevin Adam
Kevin Keen
Kimberley Thomas
Kuo-Hsing Kuo
Larine Sluggett
Leana Garraway
Lianne Tripp
Linda Van Pelt
Lindsay Matews
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
Waqrar 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: Chistorina 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 Hoeppner
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

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
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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
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