Application: 0000000218

Kimberly Mitchell - 21kcmm@queensu.ca
DRI EDIA Champions

Summary

ID: 0000000218
Status: Not Submitted

Eligibility Form

Completed - 31 Jul 2024

Eligibility Form

Which of the following scenarios related to your career stage apply to you?

A) I am a graduate or post-graduate researcher enrolled at a Canadian university.

Which of the following descriptions related to participation in EDIA work apply to you?

A) I am a member of an equity-seeking group.

Do you identify as belonging to an equity-seeking group? If you would like to identify yourself as a member of one of these groups, please select all that apply:

Responses Selected:

Women
Indigenous Peoples (First Nations, Inuit and Métis)
Person living with a visible or invisible disability
Neurodiverse

I am currently residing in and plan on executing my proposed activities in Canada.

Yes

If yes, please provide a response to the following items below:

i) Please indicate Province/Territory of residence:	Ontario
If you reside in Ontario, do you live in the GTA?	No
ii) Please indicate Province/Territory where proposed activities will take place:	Ontario

Applicant Information

Completed - 31 Jul 2024

Applicant Information

1) Applicant First Name

Kimberly

Applicant Last Name

Mitchell

2) Language of Correspondence:

English

Educational Program

Please answer the following questions related to your current program of study.

3a) What type of program are you currently enrolled in?

A different program that I'd like to specify:: Doctor of Medicine

3b) Institution/Organization:

Name of Institution you are affiliated with:	Queen's University
Province/Territory of Institution:	Ontario
Type of Institution	Post-Secondary Institution (Universities, Colleges, CEGEP, Institute or Polytechnic)

3c) What year of your program will you be in as of September 2024?

3

3d) Discipline

Responses Selected:

Medical and Health Sciences

3e) Faculty and department of your program:

Faculty of Health Sciences, School of Medicine

3f) Working thesis/research project title:

Experiences of indigenous people with virtually-provided health care in Canada

Letters of Support

Please provide the relevant contact information for the following required Letters of Support.

4a) Academic Supervisor / Advisor

First Name	Karen
Last Name	Yeates
Position Title	Professor
Department	Department of Medicine
Institution / Organisation	Queen's University
Email	yeatesk@queensu.ca

4b) EDIA Mentor

First Name	Sarah
Last Name	Funnell
Position Title	Associate Dean, Indigenous Health
Department	Indigenous Health
Institution / Organisation	Queen's University
Email	sarah.funnell@queensu.ca

4c) Institutional Representative

A person who will be reviewing and approving your application on behalf of your institution, typically in the Office of Research Services.

First Name	Richard
Last Name	van Wylick
Position Title	Vice-Dean
Department	Health Sciences Education
Institution / Organisation	Queen's University
Email	richard.vanwylick@queensu.ca

Merit Review Committee Recommendation

Please recommend two names of subject matter experts, with whom you do not have a conflict of interest and who could participate as Merit Review Committee members to review applications for this call.

5) Merit Review Committee Member Recommendations

(Recommendation #1) Name:	Brent Young (c/o Jessica Kerr)
Position Title:	Academic Director of Indigenous Health, Assistant Professor
Institution:	Dalhousie University
Email:	j.kerr@dal.ca
(Recommendation #2) Name:	Michael Green
Position Title:	Professor, Family Medicine
Institution:	Queen's University
Email:	michael.green@queensu.ca

Application and Proposed Activities

Completed - 31 Jul 2024

Application and Proposed Activities

Please answer the following questions related to your DRI EDIA Champions project proposal.

6) Please provide a title for your proposal.

OCAP data management: a remote Ontario First Nation case study

7) Please describe (briefly and in plain language) the area of research that you are focused on. (Max 200 words)

The first research aim is to identify psychosocial impacts and barriers to virtual care modalities in rural/remote Indigenous communities. Indigenous peoples face numerous systemic barriers in accessing health care including limited access to primary care, inadequate health services funding, and governmental conflicts leading to delays in obtaining care. While virtual care might address some issues, it is largely unknown whether virtually-provided health care is wanted or useful to Indigenous people since their lived experiences are missing from existing research.

This component will collect lived experiences using an indigenous approach and co-design with indigenous community co-researchers. Outcomes include highlighting indigenous research methodologies and providing a voice for indigenous people regarding their healthcare goals.

Using this research as a case study, indigenous data sovereignty principles will be implemented using DMP Assistant. The Federated Research Data Repository will be examined for ability to support data sovereignty and implement First Nations Principles of OCAP. Alliance training tools will support implementation.

The second objective of this project is to establish research mentoring and provide training for indigenous student researchers. Alliance research resources will be communicated to indigenous medical students to support their use. Workshops on Alliance tools will be investigated as a communication method.

8) DRI Focus Area

Please identify all that apply.

Responses Selected:

Research Data Management (RDM)

Cybersecurity

Research Software

8a) Please select the specific Alliance DRI you would like to support:

Responses Selected:

DMP Assistant

FRDR

Other Alliance DRI Tool or Service

Non-Alliance DRI

Please describe the 'Non-Alliance DRI' that you would like to support.

First Nations Principles of Ownership, Control, Access, and Possession (OCAP)

Indigenous data Governance Principles (CARE)

- Collective Benefit

- Authority to Control

- Responsibility

- Ethics

Please describe the 'Other Alliance DRI Tool or Service' that you would like to support.

Alliance DRI Training materials - see question 8b) for the specific materials to be utilized in this project.

8b) Please describe the DRI training or resources that you are looking to access in order to advance your graduate work. (Work with team to produce a list of possible trainings/resources)

Digital Research Alliance of Canada

- Training

a) Research Data Management 101

b) Research Data Repositories 101

- Federated Research Data Repository (FRDR)

a) Investigate capabilities and data policies associated with the repository

b) Compare FRDR capability and data policies to the needs of indigenous peoples with respect to data sovereignty that will foster reconciliation with educational institutions and their research policies and practices (First Nations Principles of OCAP, CARE Principles)

- DMP Assistant

a) Data Management Plan templates - utilize templates to produce data management plan for case study research that incorporates OCAP and CARE principles. Communicate about their use at knowledge translation sessions aimed at student research mentees and researchers.

b) DMP Assistant webinars - utilizing these resources to learn how to use DMP assistant for data management planning; communicating about these resources to student research mentees

- First Nations Principles of OCAP Training - learning on indigenous information governance and data sovereignty

- CARE Principle Resources - case studies on principles of data sovereignty implementation around the world, publications on the implementation of data sovereignty

9) Please describe how access to these DRI trainings and resources would advance your graduate work, and how access would advance your research career overall (Max 250 words).

In Canada's past, indigenous people have been researched inappropriately. Rebuilding trust through research co-design and data sovereignty will enable me to perform research with indigenous communities, which is a key career goal. As an indigenous person, my ethics must align with the goals of indigenous community co-researchers.

Implementing Alliance DRI tools using principles of data sovereignty will provide a basis for other researchers to use Alliance tools when working with indigenous communities. Sharing my work with student research mentees, my institution, and other researchers will broaden awareness of the Alliance and resources.

In my past career, I worked in cybersecurity and my work focussed on information protection. Although I have work experience in data management and information protection, I have not used my skills in an academic research environment. Completing this training will give me better insight into research data management.

Having access to sample Data Management Plan templates gives me a starting point for the discussion with my co-researchers from the indigenous community I will be working with. Having a template I can combine with the OCAP and CARE principles will help our team document all the relevant practices we will use in managing our research data.

Taking First Nations Principles of OCAP training will help me better understand the how they should be implemented. Having the training certification will provide evidence of my knowledge to my institution, my supervisors, other indigenous researchers, and indigenous community leaders.

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10) Which equity-seeking group(s) do you wish to support in advancing access to DRI (check all that apply):

Responses Selected:

Indigenous Peoples (First Nations, Inuit and Métis)

Groups who are geographically isolated

First generation post-secondary students

A different equity-seeking group with barriers to accessing DRI that I'd like to describe:: Socioeconomically disadvantaged students

11) Please describe the barriers to success within traditional academic structures that exist for this group. How may improved knowledge about or access to DRI mitigate these barriers? What barriers currently exist for this group in accessing DRI? (Max 250 words)

Barriers faced by indigenous people looking to further their education and enter into research begins early, arguably in early education. Intergenerational trauma and adverse childhood experiences along with limited economic opportunities in rural/remote areas make it difficult to obtain the academic and financial resources required to attend university. A substantial education gap exists between indigenous and non-indigenous Canadians at all levels of education. This gap was examined extensively by the Truth and Reconciliation Commission and resulted in Call to Action #7 (eliminating education/employment gaps).

Indigenous people doing indigenous community research provides an opportunity for outreach to younger students, which encourages them to participate in academic activities and provides opportunities for students to gain experience by joining the research team.

Creating Alliance tool awareness through mentoring, indigenous students will develop skills that are useful to established researchers and make social connections that allow access to the research field. Mentoring is key since this will allow students to get one-on-one feedback and advice on developing research skills and professional networks so they are competitive applicants for research positions and post-secondary programs.

Canada has a history of experimentation on indigenous people without knowledge and consent. This has built a great distrust of researchers by indigenous people. Existing institutional processes for culturally-appropriate ethics approval and consent fall short, often because they are inflexible or don't exist. Using Alliance tools to implement principles of data sovereignty will place indigenous people in a place of ownership and empower communities to self-determine their role in research projects.

12) How do you plan to implement your vision for the DRI EDIA Champions initiative? Select all applicable categories. (It is expected that successful applications will address more than one of these broad areas of activity, but not necessarily all. If applicants identify other areas of activity that are aligned with this program's purpose, these may be considered as well.)

Responses Selected:

Training/mentoring

Promoting/advancing DRI

Addressing disciplinary challenges

Driving culture change

Informing future initiatives

Other: please specify: Amplifying indigenous voices through research and knowledge translation

13) The Alliance is committed to Indigenous data sovereignty. Projects by and in collaboration with First Nations, Inuit, Métis, and other Indigenous communities, collectives, and organizations must be co-developed and approved by those involved. As appropriate, project outputs are expected to articulate how they will address Indigenous data sovereignty. Does your proposal include the use of Indigenous data?

Yes

13a) If yes: Please describe how this proposal has been co-developed and approved by those whom the data belong to? How does this proposal address Indigenous data sovereignty?

This research project is in the planning phase and co-development activities are planned. The research supervisor is a member of the indigenous community hosting this work. An objective identified by the research supervisor is the need to develop a framework for research in their community that supports indigenous peoples rights to self-detemination. Community co-researchers will guide how Alliance DRI tools will be used to implement data soverignty. An indigenous advisory council will oversee the use of Alliance DRI tools to ensure community objectives are met.

Specific research priorities will be set by the community through an advisory committee. Team staff, such as research assistants, will be recruited from the indigenous communities served by the Indigenous-led primary care practice hosted in the supervisor's community and dedicated to the care of indigenous peoples. Research design is co-created with indigenous needs and desires prioritized in all elements of the work. Indigenous communities set priorities and objectives. The team will implement the project to meet these priorities and objectives.

This research project will use a co-design approach and will align with the research priorities set by the host community. This project will be submitted for ethics approval both to the Queen's University Ethics Review Board and the Queen's Indigenous Ethics Working Group.

The methodology development has started with fundamentals of indigenous culture and approach to health. A fundamental belief of indigenous people is that knowledge is not created, but is already held by all things. Relationships with all things, referred to as 'All my relations', are central to indigenous ways of being and knowing. The indigenous approach to health encompasses spiritual, mental, emotional, and physical health. Using this principles and the community research priorities, a qualitative approach using story-telling to collect data was identified.

The first step of advancing this work is to establish a relationship between myself and community members. This will be accomplished through in-person meetings and indigenous ceremony. Relationship building will continue using regular communications and co-design workshops that build on the existing relationships. The outputs of co-design workshops will include data collection instruments, talking circle plans, consent processes and materials, and training needs assessments.

Data collection, transcription, and validation will be performed by indigenous Research Assistants. Data analysis outputs will be reviewed and validated by community researchers and community members. All presentations, publications, and manuscripts will also be reviewed by community members.

The First Nations Principles of OCAP and CARE principles will be used to ensure Indigenous data sovereignty. These functions and the authority to grant access and use will reside with indigenous people and the indigenous communities they serve both throughout the project and in the future. Data management plans, implementing these principles, will be co-prepared with indigenous community co-researchers.

14) What activities do you plan to engage in to improve access to and knowledge about the DRI of interest? (These may include hosting peer to peer training sessions, development of knowledge transfer products including blog posts or social media content, direct engagement and knowledge gathering with equity-seeking groups, engagement with decision makers within your host institution, or any other activities that you envision enhancing access to and knowledge about DRI for equity-seeking groups).

Direct engagement and knowledge gathering with an indigenous community
- This project involves implementing Alliance tools using the First Nations Principles of OCAP and CARE principles. Through use of the tools in a case study, the tools will be introduced to indigenous co-researchers, who will have the opportunity to provide feedback to ensure data sovereignty is maintained.

Co-presentations with indigenous co-researchers
- During execution of the case study research, co-researchers (community-based and university-based) will present the project to Ethics Review Boards, Chief & Council of served communities. Use of Alliance tools and the application of First Nations Principles of OCAP will be highlighted and explained during these sessions.
- Opportunities for conference presentations with community members and co-researchers will be identified. A methodology manuscript is planned that describes how Alliance DRI tools were adapted to implement First Nations Principles of OCAP/CARE Principles. Manuscript preparation will begin after March 2025. Opportunities for conference presentations will be identified during the timeframe of this grant. Presentations are likely to occur after March 2025.

Engagement with decision makers implementing an Indigenous Research Ethics Review Board at Queen's University
- Queen's University has established a Working Group to implement an Indigenous Research Ethics Review Board. Principles that research involving indigenous peoples are expected to meet are being developed and processes will soon be established. The applicant is a member of the Working Group and will present lessons learned to the group to be incorporated into principles, policies, and procedures. Alliance DRI tools and their use in a way that supports First Nations data sovereignty will generate lessons learned that will be incorporated into ethics review principles and criteria.

Develop a support network for indigenous medical students who are interested in research
- Establish a Community of Practice for indigenous medical students that provides access to mentoring and peer support. A potential for implementing this efficiently and cost-effectively is to partner with an organization, such as the Indigenous Physicians Association of Canada, that has an existing mentoring platform in place.

Awareness of Alliance tools and First Nations Principles of OCAP training for indigenous medical students
- Targeted communications and a list of Alliance DRI research resources will be prepared for indigenous medical

students. These will be communicated to student mentees and through the Indigenous Medical Students Association of Canada.

- The First Nations Information Governance Centre offers a variety of resources to support indigenous data sovereignty. Their work includes data storage, access control, data governance, and training. Having access to the training on First Nations Principles of OCAP training will inform and empower indigenous students to take an active role in protecting the data of All their relations.

15) What is the expected timeline for these activities?

	Planned Activity	Milestone
Jul 2024 – Aug 2024 (Please note, activities executed prior to final agreement completion are ineligible).	Relationship building with Ontario First Nation and indigenous co-researchers Research Ethics Board approval (Community REB & Institution REB) Identify partner to administer Indigenous Research Support Network (IRSN)	List of research team members Institution research ethics package approved Community research ethics package submitted Partner Agreement negotiation started
Sept 2024- Dec 2024	Develop and trial processes for Indigenous Ethics Review Finalize IRSN partner Prepare IRSN communication/ marketing plan	Feedback from process trial documented IRSN Partner Agreement complete IRSN communication/ marketing plan executed
Jan 2025- Mar 2025	Data collection Open IRSN mentor/mentee sign-up Pair IRSN mentors/mentees Make OCAP training available to indigenous student researchers Alliance DRI tool resources compiled, documented, and distributed to indigenous medical students	Talking Circles Complete List of paired mentors/mentees OCAP training funded and available to indigenous students Research resources sent to students

16) How do you intend to measure the impact of these activities?

	Activity	Target/Outcome	Scope of activity (Select National, Provincial, Municipal, University wide, department wide.)	Location of Activity	Click here to add more
	Ontario First Nation - knowledge collection	Talking circles complete	Provincial	Ontario, institution work areas	✔
	Indigenous Student Research Network	Mentors in place and OCAP training available to students	National	Canada	✔
	Trial process for Indigenous Ethics Review	Process draft and initial feedback documented, lessons learned shared with partner universities	University wide / National	Canada	✖

17) How many people within the equity-seeking group(s) do you intend to engage with the proposed activities?

c. 51 – 100

Budget

Completed - 31 Jul 2024

Budget

Please provide a breakdown of how the awarded funds will be used. Budgets must include funds for travel and accommodation to one in-person meeting organized by the Alliance. Please refer to the Call for Proposals document for limits.

Note: expenditures must be clearly explained and be noted in CAD.

Budget Item	Cost
Stipend of DRI EDIA Champion	**$27,000**

Travel to the in-person meeting hosted by the Alliance. Maximum is $3,000. For residents of the Greater Toronto Area, maximum is $1,500.

Include transportation, accommodation, meals, and any other relevant costs.

If travel costs exceed $3,000, please provide a justification for the added expense, i.e.: coming from a remote and isolated location.

	Budget Item	Description of Expense	Add additional Expenses
	3000	Travel / Lodging to in-person Alliance meeting	✖
Total Requested Amount	3000.0		

Project costs (up to $5000).

Please list all expenses including activities, material costs, gifts/honorariums and any other relevant expenses.

	Cost ($)	Description of Expense	Add additional Expenses
	1000	Research Participant Honorariums	✔
	1000	Elder / Indigenous Advisor Honorariums	✔
	500	Refreshments for research participants / elders during talking circles	✔
	500	Research Assistant - software feedback	✔
	1000	Mentoring platform software	✔
	3500	OCAP Training	✔
	3555.20	Travel/Accommodations to remote First Nation - TRIP #1	✔
	3555.20	Travel/Accommodations to remote First Nation - TRIP #2	✖
Total Requested Amount	14610.4		

If Project Costs exceed $5000- please provide a justification for the added expense(s).

1. The proposed project scope includes a qualitative research project that will be use Alliance DMP Assistant, Alliance training, and trial the Federated Research Data Repository. The line items associated with this scope include:

a) Research participant honorariums - 20 participants * $50 gift card to Northern Store (grocery & general store costs are much higher in remote communities, e.g. cold beverage cost approx $4.50 each vs $1.50 each in southern Ontario, liquid dish soap cost approx $9.00 each vs $ 3.00 each in southern Ontario).

b) Elder / Indigenous Advisor honorariums - $500 per elder / advisor is consistent with the Indigenous Physicians of Canada guideline, which can be found here: https://ipacamic.ca/wp-content/uploads/2023/05/IPAC-Physician-Engagement-Guidelines-v1.pdf

c) Refreshments for research participants - assumed 20 participants * $25 each for refreshments due to the higher cost of food / beverages in remote communities

2. Research Assistant - Software Feedback - a grant requirement is to provide lessons learned on the Alliance research data management tools. The purpose of this line item is to solicit feedback from the project team members and consolidate the feedback into themes and lessons learned.

3. Mentoring platform software

Even with a partner, it is anticipated there will be additional costs to modify or expand their mentoring software to incorporate a research mentoring aspect. Partner organization staff effort will be needed to actively recruit research mentors and connect them with research mentees.

4. OCAP Training

Indigenous students are eligible for OCAP training at a reduced rate of approximately $350. Assumed 10 indigenous students would commit to completing OCAP training

5. & 6. Working with indigenous communities necessitates forming a trusting relationship before research work can begin. The relationship building approach must respect community values and autonomy to foster trust and mutual respect. Relationship building, research co-design, indigenous community engagement, and team training requires a minimum of two in-person trips to a remote Ontario First Nation. The purpose of the first trip is to meet co-researchers and team members, learn about community culture, and begin co-design of research methodology and data collection tools. The purpose of the second trip is to engage with community leaders (such as chief and council), continue to learn about local culture, finalize data collection instruments, and train research assistants who live in the community.

COST ESTIMATE FOR ONE RETURN TRIP TO REMOTE FIRST NATION

> Starting at applicant's home:
>
> Mileage to Airport - 436 km * 0.77 = $305.20
>
> Parking at Airport - $190
>
> Flight Toronto to Timmins - $560
>
> Flight Timmins to Moosonee - $700
>
> Meals & Lodging - $600 / day * 3 = $1800
>
> TOTAL PER TRIP = $3555.20

Upload CV

Completed - 31 Jul 2024

Please upload an up-to-date CV in PDF format.

[**00Kimberly Mitchell_resume**](#)

Filename: 00Kimberly_Mitchell_resume.pdf **Size:** 96.7 kB

Optional: Additional Documentation Upload

Completed - 31 Jul 2024

If there are any other documents (letters of support, grant award
letters) that you feel add to your application that you would like to include,
please upload a maximum of 2 additional documents here (Max 500 words
per document).

Please note: Documentation that exceeds the prescribed limit will not be reviewed.

[**Reference List DRI**](#)

Filename: Reference_List_DRI.docx **Size:** 16.3 kB

Letters of Support (Academic Supervisor / Advisor)

Completed - 31 Jul 2024

Please enter your academic supervisor / advisor's email here. A Letter of Support Template will be sent to them asking them to indicate their knowledge of and support of your application to this grant. Please note that your recommender will have the opportunity to review your application.

Preview Letter of Support Template here:

- [FR - Lettre d'appui – Superviseure ou superviseur, conseillère ou conseiller universitaire](#)
- [EN - Academic Supervisor / Advisor Letter of Support](#)

Recommenders
Recommender:
Karen Yeates <*yeatesk@queensu.ca*>
Request Date:
10 Jul 2024 14:31 (EDT)

Letters of Support (EDIA Mentor/Resource)

Completed - 31 Jul 2024

Please enter your EDIA resource / mentor's email here. A Letter of Support Template will be sent to them asking them to indicate their support of the proposed EDIA engagement activities described in this application. Please note that your recommender will have the opportunity to review your application.

Please Note:

This individual can be your supervisor should they have relevant EDIA expertise or experience, but this may also be another individual. Applicants without access to an EDIA resource or mentor should reach out to their institution's EDIA (or equivalent) office or representative.

Preview Letter of Support Template here:

- [FR - Lettre d'appui – Mentore ou mentor en EDIA](#)
- [EN - EDIA Mentor / Resource Letter of Support](#)

Recommenders
Recommender:
Sarah Funnell <*sarah.funnell@queensu.ca*>
Request Date:
8 Jul 2024 09:17 (EDT)

Letters of Support (Institutional Awareness)

Completed - 31 Jul 2024

Please enter your Office of Research Services' or equivalent institutional contact email here. A Letter of Support Template will be sent to them asking them to indicate that this application has gone through your individual institution's internal approval processes. Please note that your recommender will have the opportunity to review your application.

Preview Letter of Support Template here:

- [FR - Lettre d'appui – Sensibilisation des établissements](#)
- [EN - Institutional Awareness Letter of Support](#)

Please Note: **If the email address entered here has been used by your institution for other programs in the past; your institutional contact's name *might appear differently* once submitted. Please contact your institution for further assistance in updating this information if needed.**

Recommenders
Recommender:
Richard van Wylick <*richard.vanwylick@queensu.ca*>
Request Date:
12 Jul 2024 14:08 (EDT)

Submission

Completed - 31 Jul 2024

Please verify you have completed all the sections of your application and click "mark as complete" before submission. Following submission, you should receive an email confirmation that your application has been successfully submitted. If you did not receive a confirmation email, please check that your application has been marked as submitted or write to Alliance Programs / Programmes de l'Alliance programs-programmes@alliancecan.ca. Incomplete applications will not be reviewed.

You can download a copy of your application for your records. Any further questions or comments about your application can be directed to Alliance Programs / Programmes de l'Alliance programs-programmes@alliancecan.ca.

Submission

In addition:

Responses Selected:

By submitting an application for funding consideration, the Applicant and their institution(s) acknowledge that the terms and conditions outlined in Appendix B – Alliance Funding Agreement, in the Call for Proposals are non-negotiable.

I confirm that the information provided is true and correct to the best of my knowledge and belief.

I confirm I have read and agree to adhere to the guidelines outlined in the Call for Proposals.

I confirm that if I receive the DRI EDIA Champions Award I will participate in a 16-week virtual training program organized by OLS https://openlifesci.org/openseeds/ols-1/ and an in-person meeting organized by the Alliance.

I consent to the Alliance collecting any personal information provided in this form for the sole purpose of delivering and evaluating the program. If my application is successful, my name and relevant project information will be shared publicly.

Communications

Responses Selected:

I would like to be included in future communications from the Alliance regarding funding calls and other opportunities.

Note: When all sections are marked as complete the "Submit" button will become green on the left hand side.

Tips:

1. All recommendations must be received before you can mark each of the tasks as "complete" and submit your application.

2. Monitor your email for completed recommendation notifications. Once received, please log back in to your Survey Monkey Apply Account on https://alliance.smapply.ca/ to mark these tasks as complete and submit your application.

EDUCATION

Doctor of Medicine 2022 - Present
Queen's University, Kingston, ON
Expected date of completion: April 2026

General Studies coursework (Computer Science, Human Science) 2020 - 2022
Athabasca University, Athabasca, AB

Master of Applied Science (Mechanical & Mechatronics Engineering) 2016 - 2019
University of Waterloo, Waterloo, ON
Thesis: Atmospheric Dispersion of Radionuclides following Small Modular
Reactor Accidents

Bachelor of Engineering (Mechanical) 1999 - 2006
Memorial University, St. John's, NL

CLINICAL EDUCATION & OBSERVERSHIPS

Clinical Education

Airway Interventions & Management in Emergencies (AIME), Montreal
November 10, 2023

Cardiovascular exam	Breast exam
Respiratory exam	Newborn exam
Ear, nose, and throat exam	Musculoskeletal exam
Lymph node exam	Intramuscular & subcutaneous injections
Abdominal exam	Suturing
Cranial and peripheral nerve exam	

Longitudinal observership – Family Medicine, Surgery, Anesthesia Listowel Wingham Hospital Alliance, Wingham, ON	May - June 2023
Family Medicine & Obstetrics Brockton & Area Family Health Team, Walkterton, ON	July - August 2023
Family Medicine, Queen's Family Medicine Clinic	2022 - 2023
Emergency Medicine, Kingston General Hospital & Belleville General Hospital	2022 - 2023

RESEARCH, PUBLICATIONS, & PRESENTATIONS

Research

- *Point of care ultrasound in primary care for cardiovascular disease risk stratification – Application in Indigenous Primary Care*   **2024 - Present**
Supervisor: Dr. Amer Johri, Cardiovascular Imaging Network at Queen's University, Department of Medicine, Queen's University, Kingston, ON

- *A novel, accessible, and low-cost simulator for right heart catheterization training*   **2022 - 2024**
Supervisor: Dr. Amer Johri, Cardiovascular Imaging Network at Queen's University, Department of Medicine, Queen's University, Kingston, ON

- *Atmospheric Dispersion of Radionuclides following Small Modular Reactor Accidents*   **2016 - 2019**
Supervisors: Dr. Michael Waite, Dr. Fue-Sang Lien
Department of Mechanical and Mechatronics Engineering, University of Waterloo, Waterloo, ON

Presentations

Mitchell, K., Tso, M., Pang, S., D'Arsigny, C., Almufleh, A., Johri, A.M. (2023, December 11). *Development of a Low-cost simulator for training Physicians to Perform Bedside Right Heart Catheterization.* [Poster]. SimExpo 2023, Ottawa, ON, Canada.

Mitchell, K. (2018, November 6). *Aboriginal Consultation for Siting and Construction of Small Modular Reactors.* [Technical Session Presentation & Abstract]. 1st International Conference on Generation IV and Small Reactors. Ottawa, ON, Canada.

PROFESSIONAL DEVELOPMENT

Basic Life Support (BLS), Heart & Stroke Foundation   2024
Suturing skills session, Family Medicine Interest Group   2022
Level 1 Nutrition Certification, Precision Nutrition   2022
Standard First Aid, Level C CPR with AED, St John Ambulance   2022
Professional Certificate of Dermatology, Healthcert Education   2022 - Present

WORK EXPERIENCE

Brockton & Area Family Health Team, Mildmay & Walkerton, ON   July - August 2023

Medical Student   - With direction from the supervising physician, collected patient history and performed physical exams with a focus on patients with diabetes mellitus and hypertension.

Bruce Power, Tiverton, ON   2007 - 2022

Program Manager   - Devised medical isotope production program strategy and communicated with executives to get buy-in; Coordinated and led the isotope partnership agreement with the Saugeen Ojibway Nation

Information Security   - Provided technical advice regarding IT system design for Security
Risk & Information   Protected information; Represented Canada on International
Protection Lead   Electrotechnical Committee on Nuclear Instrumentation

Business   - Refined business strategy and prepared business cases for technology
Relationship   investments made to support business department and corporate-level
Manager   business objectives; Managed stakeholder and customer relationships

Project Manager &   - Managed $165 million of project work and contracts associated with
Lead Engineer   fabrication and procurement of industrial steam generators (boilers).
Achieved ~$ 1 million dollars in cost savings through use of a novel
contract negotiation approach with steam generator manufacturer
Managed personnel executing work in 5 countries across 4 time zones
Recruited and mentored a technical team of 7 with an emphasis on
diversity & inclusion

LEADERSHIP & VOLUNTEER EXPERIENCE

Member, Admissions Committee - Queen's University School of Medicine	2022 - Present
Technology Rep, Queen's Medicine Class of 2026	2022 - Present
Co-chair, Family Medicine Interest Group	2022 - Present
Director, Walkerton Clean Water Centre	2021 - Present
President, Cardinal Design & Analysis Limited	2019 - Present
Member, Admissions Sub-committee - Lakeridge Family Medicine Program	2023 - Present
Volunteer, St. Vincent de Paul food voucher program	2017 - 2024
Course Rep, Principles of Geriatrics, Oncology, Palliative Care, Queen's Medicine Class of 2026	2023
Expert Member, International Electrotechnical Committee, Nuclear Instrumentation	2019 - 2023
Volunteer, South Bruce Grey Health Centre	2018 - 2022
Chair (2014-2015, 2019-2021) **Member** (2014-2022), Bruce Power Indigenous Employee Network	2018 - 2022
Executive Committee Member, Women in Nuclear – Bruce Chapter	2014 - 2022

MEMBERSHIPS

Student Member, College of Family Physicians of Canada	2023 - Present
Member, Canadian Nutrition Society	2023 - Present
Member, Society of Rural Physicians of Canada	2023 - Present
Member, OMA – Ontario Medical Association	2022 - Present
Member, CMA – Canadian Medical Association	2022 - Present
Professional Engineer, PEO – Professional Engineers Ontario	2010 - Present

INTERESTS

- Triathlon / Duathlon – completed sprint, olympic, and half-Ironman distance races
- Running – half marathon, 10K races
- Knitting, sewing, beading
- Camping
- Music – play the flute and drums
- Drawing – anatomical sketching; pencil and charcoal are preferred media