COURT FILE NUMBER	KBG -RG- 848 of 2023
COURT OF KING'S BENCH FOR SASKATCHEWAN	
JUDICIAL CENTRE	REGINA
APPLICANTS	SABRINA DYKSTRA, JILL FORRESTER, RYAN HEISE, KAYLA HOPKINS, LYNN OLIPHANT, HAROLD PEXA, AMY SNIDER, and CLIMATE JUSTICE SASKATOON ORGANIZATION INC.
RESPONDENTS	SASKATCHEWAN POWER CORPORATION, CROWN INVESTMENTS CORPORATION OF SASKATCHEWAN, and THE GOVERNMENT OF SASKATCHEWAN

AFFIDAVIT

AFFIDAVIT OF EXPERT WITNESS DR. LINDSAY P. GALWAY

I, DR. LINDSAY P. GALWAY, of the City of THUNDER BAY, in the province of ONTARIO, MAKE OATH AND SAY (or AFFIRM):

1. I hereby provide this opinion to the Court in my capacity as an Associate Professor in the Department of Health Sciences at Lakehead University and the Canada Research Chair in Social-Ecological Health. Attached to this affidavit as **Exhibit "A**" is my Curriculum Vitae, which describes my qualifications in greater detail.

2. I provide this opinion evidence contained herein in an objective and non-partisan manner. My opinion evidence provided herein is related only to matters within my areas of expertise. I am aware of my duties as an expert witness to assist the Court as prescribed in *The Queen's Bench Rules* at rule 5-37 and I have made this submission in conformity with those duties.

3. A core objective of my research program is to investigate the impacts of climatic and environmental change on health and wellbeing.

4. I teach environmental health, climate change and health, and eco-social approaches to health to graduates students at Lakehead University. I also supervise master's and Ph.D. students in Health Sciences.

5. I have a B.Sc., a Master of Public Health (MPH) Degree, and a Ph.D. in Health Sciences. I am author/co-author of 37 peer reviewed publications.

6. I was a contributing author to the 2022 *Health of Canadians in a Changing Climate: Advancing our Knowledge for Action* report.[1] This report, led by Health Canada, is the first comprehensive assessment of the risks from climate change to the health of Canadians since 2008. Affixed to this affidavit as **Exhibit "B"** is the report entitled *Health of Canadians in a Changing Climate: Advancing our Knowledge for Action* published by the government of Canada in 2022.

7. Both the World Health Organization and The Lancet (a world-leading health journal) have called human-induced climate change the greatest health threat facing humanity and have identified climate action as an opportunity to protect the social and ecological determinants of health and address health disparities within and across population groups.

8. The Intergovernmental Panel on Climate Change (IPCC) is an international United Nations body tasked with regularly assessing science and evidence associated with climate change, climate impacts, and options for mitigation and adaptation. The IPPC has 195 members; Canada has been a member since it was established in 1988. Canadian experts representing government, universities, the private sector, and other organizations contribute to the preparation of IPCC assessment reports.

9. In 2022, the IPCC released the *Working Group II (WGII) contribution to the Sixth Assessment Report (AR6*).[2] The expansive report compiled the latest and best evidence on climate impacts, adaptation, and vulnerability, and projects (under all greenhouse gas scenarios) human and ecosystem health risks increase this century. The *Summary for Policymakers* summarizes key findings from the WGII contribution to the AR6 and states that "climate change has adversely affected physical health of people globally (very high confidence) and mental health of people in the assessed regions (very high confidence)."[3] The *Summary for Policymakers* concludes with the following statement:

> "The cumulative scientific evidence is unequivocal: Climate change is a threat to human well-being and planetary health. Any further delay in concerted anticipatory

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[1] Berry, P., & Schnitter, R. (Eds.), *Health of Canadians in a Changing Climate: Advancing our Knowledge for Action*, (2022) Ottawa, ON: Government of Canada, *[Health of Canadians in a Changing Climate]* online: https://changingclimate.ca/site/assets/uploads/sites/5/2022/02/CCHA-REPORT-EN.pdf (12 March 2023).
[2] Pörtner, Hans-O., *et al*, *Climate change 2022: Impacts, adaptation and vulnerability*, (2022) Geneva, Switzerland: IPCC, at B.1.4, online: https://www.ipcc.ch/report/ar6/wg2/ (12 March 2023).
[3] Pörtner, Hans-O., *et al*, *Climate change 2022: Impacts, adaptation and vulnerability (Summary for policymakers*), (2022) Geneva, Switzerland: IPCC, online: https://www.ipcc.ch/report/ar6/wg2/ (12 March 2023).

global action on adaptation and mitigation will miss a brief and rapidly closing window of opportunity to secure a liveable and sustainable future for all.[4]

10. The 2022 *Health of Canadians in a Changing Climate: Advancing our Knowledge for Action* report (**Exhibit "B"** attached to this affidavit) assessed and summarized the latest research on the effects of climate change on health and health systems in Canada, populations most at-risk, and the how to respond to climate change to protect the health of Canadians. More that 80 experts from across Canada contributed to the report (I served as a contributing author). Key findings reflected in the *Health of Canadians in a Changing Climate* report include:

a. "Climate change is already negatively impacting the health of Canadians."

b. "Health risks will increase as warming continues, and the greater the warming, the greater the threats to health."

c. "Some Canadians are affected more severely by climate change."

d. "Increased efforts to reduce greenhouse gas emissions are required to help protect the health of Canadians."

e. "Reducing greenhouse gas emissions can provide very large and immediate health co-benefits to Canadians."[5]

11. The 2022 Chief Public Health Officer of Canada's Report on the State of Public Health in Canada focused on "…the impacts of climate change in Canada and the role that public health systems can play in taking climate action."[6] The Chief Public Health Officer argues that rapid and transformative adaptation and emissions reductions initiatives are necessary to protect the health and health systems in Canada. The report concludes as follows: "The time to act is now and we must act boldly - for the benefit of our health, that of our planet, and future generations."[7]

12. Young people are consistently identified as a vulnerable population group that is disproportionately impacted by climate change and the health-risks associated with climate change

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[4] *Ibid* at D.5.3.
[5] *Health of Canadians in a Changing Climate, Supra* note 1 at 11 and 13.
[6] Public Health Agency of Canada, *Chief Public Health Officer of Canada's Report on the State of Public Health in Canada 2022: Mobilizing Public Health Action on Climate Change in Canada*, (2022) Ottawa, ON: Public Health Agency of Canada, at 5, online: < https://www.canada.ca/content/dam/phac-aspc/documents/corporate/publications/chief-public-health-officer-reports-state-public-health-canada/state-public-health-canada-2022/report-rapport/report.pdf> (12 March 2023).
[7] *Ibid* at 60.

despite having contributed the least to rising greenhouse gas emissions (GHG) and the systems and structures that cause and fuel climate change.

13. In my opinion, children, youth and young people are currently excluded from decision-making processes related to GHG emissions and climate action. Furthermore, intergenerational inequities associated with rising GHG emissions are not adequately accounted for in current decision-making processes.

14. Globally, evidence showing the impacts of climate change and insufficient climate action on the mental and emotional health of children, youth, and young people is growing. [8] [9] [10]

15. In January 2023, I published a peer-reviewed paper (as lead author) titled *Climate emotions and anxiety among young people in Canada: A national survey and call to action*.[11] The paper reports on key findings from a research study (hereinafter the "Climate Emotions Study") aimed at generating knowledge about climate emotions and climate anxiety among young people in Canada. This was the first national and representative survey of climate emotions and climate anxiety among young people in Canada. Affixed to this Affidavit as **Exhibit "C"** is a copy of that paper as published in The Journal of Climate Change and Health in 2023.

16. The Climate Emotions Study participants included young people in Canada aged 16-25 (n=1,000). Abacus Data, an online Canadian polling and research firm, was contracted to administer the survey. The survey instrument included 15 questions (a mix of yes/no/prefer not to answer, Likert scale, and open-ended questions). The questions asked about: i) climate emotions and their impacts, ii) perspectives on the future due to climate change, iii) perspectives and feelings about government (in)action, and iv) perspectives on supports, programs, and resources that young people identify as needed to cope with climate emotions and anxiety, and v) perspectives on climate change education (including socio-emotional dimensions) in the formal education system. Information on age, gender, language, ethnicity, and region were also collected. The data were weighted to improve representativeness of the Canadian population according to age, gender, and region.

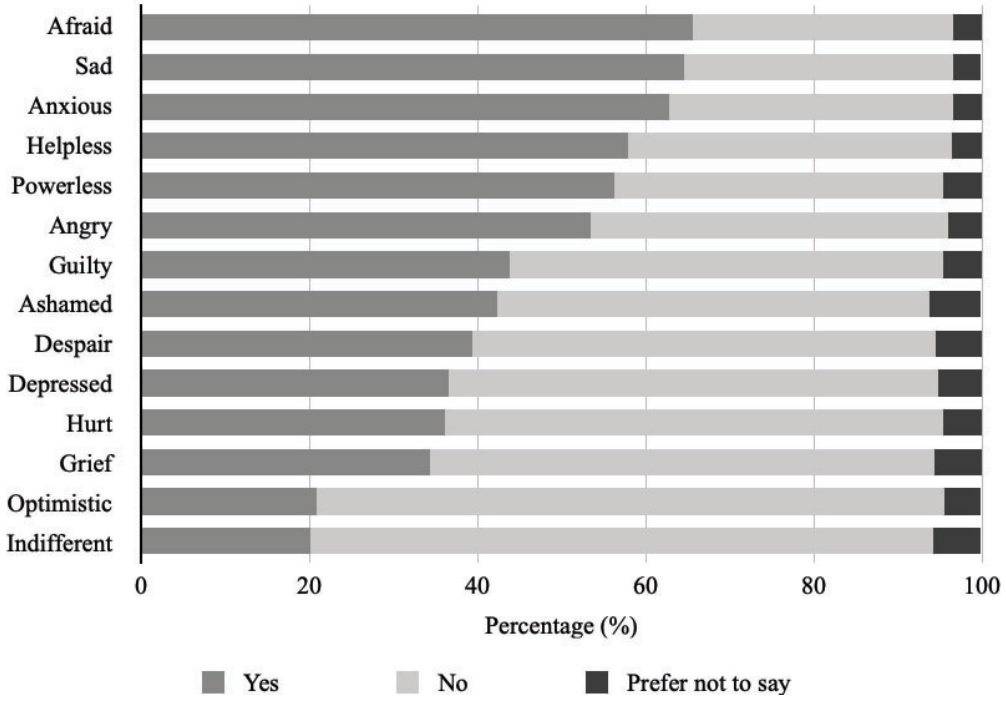
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[8] Hickman, C., Marks, E., Pihkala, P., Clayton, S., Lewandowski, R.E., Mayall, E.E., Wray, B., Mello, C., & van Susteren, L., "Climate anxiety in children and young people and their beliefs about government responses to climate change: A global survey" (2021) The Lancet Planet Health, 5(12), e863-e873, online: https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(21)00278-3/fulltext (10 March 2023).
[9] Clayton S, Manning C, Krygsman K, Speiser M., "Mental health and our changing climate: Impacts, implications, and guidance," (2017) Washington, DC: American Psychological Association and ecoAmerica, online: https://www.apa.org/news/press/releases/2017/03/mental-health-climate.pdf (12 March 2023).
[10] Burke S., Sanson A., Van Hoorn J., "The psychological effects of climate change on children" (2018) Current Psychiatry Reports 2018 Apr 11;20(5):35.
[11] Galway, L. and Field, E., "Climate emotions and anxiety among young people in Canada: A national survey and call to action" (2023) The Journal of Climate Change and Health, Vol. 9 online: <https://www.sciencedirect.com/science/article/pii/S2667278223000032?via%3Dihub> (10 March 2023).

17. Key findings from the research are summarized below:

a. Young people across Canada are experiencing a diversity of climate emotions at high rates illustrative of climate anxiety.

b. In terms of specific emotional impacts and responses, young people most commonly reported feeling afraid (66%), sad (65%), anxious (63%), helpless (58%), and powerless (56%).



c. 22% of respondents reported that climate change does not at all impact their overall mental health.

d. 37% of respondents reported that their feelings about climate change negatively affect daily life and functioning at least moderately (at least one of the following being negatively affected: eating, concentrating, work, school, sleeping, spending time in nature, playing, having fun, relationships).

e. A large majority of young Canadians do not think enough action is being taken to avoid climate catastrophe and do not think that their concerns about climate change are being taken seriously.

f. The survey data also illustrate that climate change is contributing to diverse negative thoughts about the future. For example, 39% report hesitation about having children due to climate change, 48% believe that humanity is doomed, 53% think that they will not have access to the same opportunities that their parents had, 73% report thinking that the future is frightening, and 76% report that people have failed to take care of the planet.

18. Based on my research and drawing on my expertise and knowledge of existing evidence, I believe that young Canadians are experiencing profound and problematic levels of distress and mental health consequences caused by climate change *and* the of failure of adults, decision-makers, and governments to adequately address the climate crisis.

19. I also conclude that the "inaction from adults and the wholly inadequate response to the climate crisis in Canada, and globally, illustrates a lack of care and can also be seen as a form of youth mistreatment, harm, and neglect."[12] The highly likely consequences of climate change and inaction and intergenerational inequities therefore demand widespread and transformative climate action and urgent reductions in GHG emissions to prevent further harm to children, youth, and young people in Canada.

AFFIRMED BEFORE ME REMOTELY
Via electronic means in the RM of Vanscoy,
in the Province of Saskatchewan this 19th day
of March, 2023.

Commissioner for Oaths
for the province of Saskatchewan
or being a solicitor.

(*signature*)

[12] *Ibid* at 6.

Form PD1 – Declaration of Lawyer Who has Witnessed Documents via Electronic Means

(Enacted March 25, 2020)
(Amended August 7, 2020)
(Amended effective July 1, 2022)
(Amended effective February 16, 2023)

FORM PD1

DECLARATION OF LAWYER WHO HAS WITNESSED DOCUMENTS

VIA ELECTRONIC MEANS

I Glenn Wright, of Vanscoy, in the Province of Sask., a Lawyer, did on March, 19th 2023 witness Lindsay Galway sign the following documents via electronic means:

1. Affidavit of Expert Witness.
2.
3.

Pursuant to Law Society of Saskatchewan Practice Directive 1, issued March 25, 2020, as amended, I have turned my mind to the risks associated with the witnessing of documents via electronic means. I have assessed the following risks, and have answered "yes" or "no" to indicate where I have identified concerns:

1. Have I identified any indicia that the transaction might be fraudulent? No
2. Did I identify concerns, including the physical presence of a third party in the company of my client while they were signing the documents, suggesting that there is a risk that the client may be subject to undue influence or duress? No
3. Did I identify concerns about my client's understanding about the documents they are executing? No
4. Did I identify concerns about my client not having an adequate opportunity to ask questions about the document being signed? No

Where I have indicated "yes" to the statements above, I managed the risks by the following means:

_____

_____

_____

Attached hereto is a screen capture of the signator(s) of the documents listed above with their photo identification that was presented to me via electronic means during the session where the above noted documents were executed.

I DO SOLEMNLY DECLARE that the statements contained in this form are complete and true in every respect. AND I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

March 19, 2023
Date

Signature of Lawyer

LINDASAY P. GALWAY MPH, PHD

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ACADEMIC & PROFESSIONAL QUALIFICATIONS

2015	**Doctorate (PhD), Interdisciplinary Health Sciences** Simon Fraser University, Faculty of Health Sciences **Dissertation**: *The Climate Change, Water, and Health Nexus – An Interdisciplinary Inquiry* **Committee:** Dr. T. Takaro, Dr. M. Parkes, Dr. K. Corbett, Dr. D. Allen
2010	**Master of Public Health (MPH), Global Health** Simon Fraser University, Faculty of Health Sciences *CEPH accredited Public Health Professional* **Capstone*:*** Where are the NGOs and why? The distribution of health and development NGOs in Bolivia **Committee:** Dr. K. Corbett, Dr. L Zeng
2006	**Bachelor of Science (BSc), Ecological Determinants of Health** McGill University, School of Environment **Undergraduate thesis project**: *Community-Based Environmental Education – A Waste Management Project in Vallecito, Panama* **Minors**: Education and Kinesiology

CHRONOLOGICAL ACCOUNT OF ACADEMIC CAREER

Year	Position	Department, Institution/Organization
Sept. 2020–present	Tier 2 Canada Research Chair (CRC) in Social-Ecological Health	Department of Health Sciences, Lakehead University
July 2019–present	Associate Professor	Department of Health Sciences, Lakehead University
2018–present	Internal Adjunct Professor	Department of Geography and Environment, Lakehead University
2018–present	Internal Adjunct Professor	Environmental Studies – Northern Environments and Cultures, Lakehead University

Sept. 2015–June 2019	Assistant Professor	Department of Health Sciences, Lakehead University

AWARDS & DISTINCTIONS

2022	**2022 Teaching Innovation Award,** Lakehead University
2019	**Contribution to Research Award**, Lakehead University
2019	**Atlas Award**, Elsevier
2016	**Dean's Convocation Medal**, Simon Fraser University
2016	**Distinguished Dissertation Award Nomination**, CAGS/ProQuest D
2015	**Dr. John Hastings Award**, Canadian Public Health Association (CPHA)
2012–2015	**Frederick Banting and Charles Best Doctoral Award**, Canadian Institutes of Health Research (CIHR)
2010	**Convocation Speaker**, Simon Fraser University
2010–2011	**Graduate Student Fellowship**, Climate Change Impacts Research Consortium (CCIRC)
2009	**Community Health Practice Award**, Simon Fraser University
2008	**Graduate Fellowship (Masters)**, Simon Fraser University

PUBLICATIONS

Refereed journal publications (38)
Student or research assistant *
Community partner ǂ

Klassen, A*., & **Galway, L.P**. *(under review)* The Role of Emotions in Generating and Sustaining Climate Action for Youth Climate Champions: An Exploratory Study in Northern Ontario*. Journal of Mental Health and Climate Change*.

Levkoe, C., Cameron, N., **Galway, L.P.**, Hanson, R., Milun, K., & Portinga, R.* (under review) A Watershed Approach to Co-Creating Just Sustainabilities: Reflections from the Lake Superior Living Labs Network. *Local Environments.*

Galway, L.P., & Field, E. (2023). Climate emotions and anxiety among young people in Canada: A national survey and call to action. *Journal of Climate Change and Health.*

Eisenman, D. P., & **Galway, L.P.** (2022). The mental health and well-being effects of wildfire smoke: A scoping review. *BMC Public Health*.

Galway, L.P., & Beery, T. (2022). Exploring climate emotions in Canada's Provincial North *Frontiers in Psychology.*

Galway, L.P., Esquega, L[ǂ]., & Jones-Casey, K.***** (2022). Exploring the connections among climate change, land, and health in Fort William First Nation: Findings from a community-based project applying Two-Eyed Seeing. *Social Science and Medicine.*

Galway, L.P., Levkoe, C., Portinga, R*****., & Milun, K. (2022). A scoping review examining governance, co-creation, and social and ecological Justice in Living Labs literature (2015-2020). *Challenges.*

Galway, L.P., Beery, T., Buse, C., & Gislason, M. (2021). What drives climate action in Canada's Provincial North? Exploring the role of connectedness to nature, climate worry, and talking with friends and family. *Climate.*

Sanderson., R.***** & **Galway, L.P.** (2021). Perceptions of climate change and climate mitigation among health professionals in Northern Ontario: A qualitative study. *Journal of Climate Change and Health.*

Galway, L.P., Deck, E.,***** Carastathis, J [ǂ]., & Sanderson, R.***** (2021). Cycling for transportation in a mid-size Northern City: Exploring barriers and facilitators among cyclists with and without access to a vehicle. *Transport Geography.*

Gislason, M., **Galway, L.P.**, Buse, C., Rees, E.,***** & Parkes, M.W. (2021). Place-based climate change communication and engagement in Canada's Provincial North: Lessons learned from climate champions. *Environmental Communication.*

Schiff, R., Levkoe, C., & **Galway, L.P.** (2020). Introduction: Place-Based Sustainability Research in the Provincial North. *Northern Review.*

Achary, Y., Naz, S., **Galway, L.P.**, & Jones, A. (2020). Deforestation and Household- and Individual-Level Double Burden of Malnutrition in Sub-Saharan Africa. *Frontiers in Sustainable Food Systems.*

Galway, L.P., & Cameron, E. (2020). Integrating online and flipped classroom teaching in public health education. *BMC Medical Education.* 18(1):192.

Galway, L.P., Beery, T., Jones-Casey, K., & Tasala, T. ***** (2019). Mapping the solastalgia literature: A scoping review study. *International Journal of Environmental Research and Public Health.* 16(15).

Irving, K.,***** & **Galway, L.P.** (2019). An evaluation of tick and Lyme disease information on health unit websites in Ontario. *Environmental Health Reviews.* 62(1): 20–27.

Muldoon, K., **Galway, L.P.**, Reeves, A., Leach, T., Heimerl, M., & Sampsel, K. (2019). Geographies of Sexual Assault: Using spatial analyses to identify neighbourhoods affected by violence. *Journal of Interpersonal Violence.*

Muldoon, K., **Galway, L.P.**, Drumm, A., Leach, T., Heimerl, M., & Sampsel, K. (2019). P114: Geographies of sexual assault: Using geographic information system analysis to identify neighbourhoods affected by violence. CJEM, 21(S1), S105-S105. doi:10.1017/cem.2019.305

Galway, L.P. (2019). Perceptions of climate change in Thunder Bay, Ontario: Towards a place-based understanding. *Local Environments*. 24:1, 68–88.

Galway, L.P., Achary, Y., & Jones, A. (2018). Deforestation and child diet diversity: A geospatial analysis of 15 Sub-Saharan African countries. *Health and Place*. 51, 78–88.

Hagopian, A., Flaxman, A., **Galway, L.P.**, Takaro, T., & Burnham, G. (2018). How to estimate (and not to estimate) war deaths: A reply to van Weezel and Spagat. *Research and Politics.*

Buse, C., Oestreicher, S., Ellis, N., Patrick, R., Brisbois, B., Jenkins, A., McKellar, K., Kingsley J., Gislason, M., **Galway, L.P.**, Frumkin, H., & Parkes, M.W. (2018). A public health guide to field developments linking ecosystems, environments and health in the Anthropocene. *Journal of Epidemiology & Community Health.*

Jones, A., Achary, Y., & **Galway, L.P.** (2017). Deforestation and child diet diversity: A geospatial analysis of 15 Sub-Saharan African countries. *The Lancet.* 389 (2):11.

Li, S., Flaxman, A., Lafta, R., **Galway, L.P.**, Takaro, T., Burnham, G., & Hagopian, A. (2016). A novel method for verifying war mortality while estimating Iraqi deaths for the Iran-Iraq war through Operation Desert Storm (1980–1993) *PLOS One*. 11(10): e0164709.

Galway, L.P., Allen, D., Parkes, M., & Takaro, T. (2016). Building interdisciplinary research capacity: A key challenge for ecological approaches in public health. *AIMS Public Health.* 3(2): 389–406. (Special Issue – Ecological Approaches in Public Health).

Galway, L.P. (2016). Boiling over: A descriptive analysis of boil-water advisories in First Nation drinking water systems reported in Ontario, Canada. *International Journal of Environmental Research and Public Health.* 13(5): 505. (Special Issue – Environmental Justice Research: Contemporary Issues and Emerging Topics).

Stewart, B., Lafta, R., Cherewick, M., Al-Shatary, S., Flaxman, A., Hagopian, A., **Galway, L.P.**, Takaro, T., Burnham, G., Kushner, A.L., & Mock, C. (2016). Road traffic injuries in Baghdad from 2003 to 2014: Results of a randomised household cluster survey. *Injury Prevention*. 22(5): 321–327.

Stewart, B., Lafta, R., Al-Shatary, S., Cherewick, M., Burnham, G., Hagopian, A., **Galway, L.P.**, & Kushner, A. (2016). Burns in Baghdad from 2003 to 2014: Results of a randomized household cluster survey. *Burns*. 42(1): 48–55.

Jones, A., Achary, Y., & **Galway, L.P.** (2015). Urbanicity is associated with the nutritional double burden in Sub-Saharan Africa. *Journal of Nutrition*. 146(6):1257–67.

Lafta, R., Al-Shatary, S., Cherewick, M., **Galway, L.P.**, Mock, C., Hagopian, A., Flaxman, A., Kushner, A., Greer, A., & Burnham, G. (2015). Injury-related death and disability associated with 11 years of conflict in Baghdad, Iraq: A randomized household cluster survey. *PLoS One.* 10(8): e0131834.

Galway, L.P., Berry, B., & Takaro, T. (2015). Student perceptions and lessons learned from flipping a master's level environmental health course. *The Canadian Journal of Learning and Technology*. 41(2): 1–16.

Galway, L.P., Allen, D., Parkes, M., Li, L., & Takaro, T. (2014). Hydroclimatic factors and acute gastro-intestinal illness in British Columbia, Canada: A time-series analysis. *Water Resources Research*. 51(2): 8–10.

Galway, L.P., Corbett, K., Takaro, T., Tairyan, K., & Frank, E. (2014). A novel integration of online and flipped classroom instructional models in public health higher education. *BMC Medical Education*. 14(181): 10–14.

Galway, L.P., Allen, D., Parkes, M., & Takaro, T. (2013). Seasonal variation of acute gastro-intestinal illness by hydroclimatic regime and drinking water source: A retrospective population-based study. *Journal of Water & Health*. 12(1): 122–135.

Hagopian, A., Flaxman, A., Takaro, T., Al Shatari, S., Rajaratnam, J., Becker, S., **Galway, L.P.**, Weiss, W., Murray, C., & Burnham, G. (2013). Mortality in Iraq associated with the 2003–2011 war and occupation: Findings from a national cluster sample survey by the university collaborative Iraq mortality study. *PLoS Medicine*. 10(10): e1001533.

Galway, L.P., Bell, N., & Al Shatari, S. (2012). A two-stage cluster sampling method using gridded population data, a GIS, and Google Earth™ imagery in a population-based mortality survey in Iraq. *International Journal of Health Geographics.* 11(12): 1–9.

Galway, L.P., Corbett, K., & Zeng, L. (2012). Where are the NGOs and why? The distribution of health and development NGOs in Bolivia. *Globalization & Health*. 8(38): 1–13.

Jones, A., Cruz Agudo, Y., **Galway, L.P.**, Bentley, J., & Pinstrup-Anderson, P. (2012). Heavy agricultural workloads and low crop diversity are strong barriers to improving child feeding practices in the Bolivian Andes. *Social Science & Medicine*. 75(9): 1673–1684.

Muldoon, K., **Galway, L.P.**, Nakajima, M., & Kanters, S. (2011). Health system determinants of infant, child and maternal mortality: A cross-sectional study of UN member countries. *Globalization Health.* 7(42): 1–10.

Book chapters (1)

Galway, L.P., Parkes, M., Corbett, K., & Takaro, T. (2016). Climate change frames in public health and water resource management. Climate Change Adaptation, Resilience and Hazards. (Ed) Leal, Washington, DC. 35–48.

Non-refereed publications (16)

Galway, L.P., Field, E., & Beck, J.* (2023). Climate emotions and anxiety among young people in Canada: Descriptive summary of a National survey. Lakehead University. Thunder Bay, ON.

Portinga, R.,* Aidid, S.,* Levkoe, C.Z., & **Galway, L.P.** (2022). Climate Action Field School Report. Lakehead University. Thunder Bay, Ontario, Canada.

YOCA Coordinating Committee (2022). Meeting the Moment: Moving Forward with Lakehead's Year of Climate Action. A report on the 2021-2022 Year of Climate Action

Sanderson, R.,* & **Galway, L.P**. (2022). Research Snapshot on Perceptions of climate change and climate action among climate-engaged health professionals in Northern Ontario: A qualitative study (https://kmb.camh.ca/eenet/resources/research-snapshot-what-do-northern-ontario-health-professionals-need-for-climate-action-in-their-roles).

Burkhart, R*., McKellar, L., & Galway, L. (2022) Climate Action Park – Community Vision.

Takaro, T., Enright, P., Waters, S., **Galway, L.P.**, Galanis, E., Waters, S., Murdock, T., Brubacher, J., & Dunn, G. (2022). Water quality, quantity and security chapter in *Health of Canadians in a Changing Climate: Advancing our Knowledge for Action.*

Galway, L.P., Burkhardt, R.,* Berger, P., & Cameron, E. (2021). The integration of climate change in Medical School Curricula: A status report. Lakehead University, Ontario, Canada.

Galway, L.P., & Strutt, C.* (2020). Climate change & health in Fort William First Nation: Youth photovoice project report. Fort William First Nation and Lakehead University, Ontario, Canada.

Galway, L.P., & Esquega, L. ǂ (2020). Climate change & health in Fort William First Nation: Messages for our Youth. Fort William First Nation and Lakehead University, Ontario, Canada.

Galway, L.P., & Esquega, L. ǂ (2020/12). Climate change & health in Fort William First Nation: Planning for the future, today - Community Report. Fort William First Nation and Lakehead University, Ontario, Canada.

Galway, L.P., Buse, C., Gislason, M., & Parkes, M.W. (2020). Perspectives on climate change in Thunder Bay: Findings from a community survey. Lakehead University, Ontario, Canada.

Galway, L.P., Buse, C., Gislason, M., & Parkes, M.W. (2020). Perspectives on climate change in Prince George: Findings from a community survey. Lakehead University, Ontario, Canada.

Carasthathias, J. ǂ, Sawula, E., ǂ Krupper, A. ǂ, & **Galway, L.P.** (2019). Bikeability and cyclist safety in Thunder Bay report. Thunder Bay District Health Unit.

Carasthathias, J. ǂ, Sawula, E. ǂ, Krupper, A. ǂ, & **Galway, L.P.** (2018). Walkability and Pedestrian Safety in Thunder Bay report. Thunder Bay District Health Unit.

Galway, L.P. (2017). Boiling over: A closer look at boil-water advisories in First Nations communities in Ontario. The Health and Wellness Bulletin. Assembly of First Nations.

CONFERENCE PRESENTATIONS

Presentations at scientific conferences (32)

2022

Galway, L. Co-creating a climate action park at Lakehead University**.** Twelfth International Conference on The Constructed Environment 2022 (online).

2021

Galway, L.P. Sharing insights from the Lakehead University Year of Climate Action. *Planetary Health InVivo Conference 2021* (online*).*

Beery, T., & **Galway, L.P.** What drives climate action in Canada's Provincial North? *Planetary Health InVivo Conference 2021* (online*).*

Galway, L.P., & Esquega L. Exploring the connections among climate change, land, and health in Fort William First Nation. *Canadian Public Health Association Conference 2021* (online).

Klassen, A.,* **Galway, L.P.,** & Buse, C. Investigating climate change communication on public health websites in Ontario: Uncovering opportunities for inspiring change. Canadian Public Health Association *2021* (online).

Galway, L.P. (2021/01). Learning from Living Labs: Regenerative social-ecological research and teaching. Oral presentation at *NCSE Drawdown Conference* 2021 (online).

2020

Galway, L.P. (2020/10). Lake Superior Living Labs Network: Building networks for social and ecological regeneration. Oral presentation at *Canadian Public Health Association Conference 2020* (online).

Galway, L.P., & Esquega, L.ǂ (2020/2). Climate change and health in Fort William First Nation: Planning for the future, today. Oral presentation at *Adaptation Canada 2020* (Vancouver, Canada).

Gislason, M., Buse, C., & **Galway, L.P.** (2020/2). Communicating about climate change in the Canadian Provincial North: Insights into promoting citizen engagement. Oral presentation at *Adaptation Canada 2020* (Vancouver, Canada).

2019

Sanderson, R., & **Galway, L.P.** (2019/4). Health professionals and climate change communication: An exploratory study in Northern Ontario. Poster presentation at *Public Health 2019* (Ottawa, Canada).

Carastathias, J. ǂ, **Galway, L.P.**, Krupper, A., Sawula, E., & Yadav, A. (2019/3). Bikeability and cyclist safety in Thunder Bay. Poster presentation at *St. Joseph's 2019 Showcase of Health Research* (Thunder Bay, Canada).

Carastathias, J. ǂ, **Galway, L.P.**, Krupper, A., Sawula, E., & Yadav, A. (2019/2). Bikeability and cyclist safety in Thunder Bay. Oral presentation at *Ontario Public Health Conference* (Toronto, Canada).

Fortin, A., Kone, A., & **Galway, L.P.** (2019/11). Effect of sociodemographic and health system contextual factors on the association between multimorbidity and colorectal cancer survival. Poster presentation at *APHEO Conference* (Niagara Falls, Canada).

2018

Fortin, A., Kone, A., & **Galway, L.P.** (2018/11). Effect of sociodemographic and health system contextual factors on the association between multimorbidity and colorectal cancer Survival: A population-based retrospective cohort study. Poster presentation at *APHEO Conference* (Niagara Falls, Canada).

Gislason, M., Buse, C., & **Galway, L.P.** (2018/11). Communicating climate change in Canada's Provincial North. Oral Presentation at *Making the Links 2018: Symposium on Collaborative Action* (Kelowna, BC, Canada).

Irving, K., & **Galway, L.P.** (2018/9). Mixed messages: An analysis of tick and Lyme disease information across public health unit websites in Ontario. Oral presentation at *CIPHI Ontario Conference* (London Canada).

Galway, L.P. (2018/4). Picturing climate change in Thunder Bay: Reflections on a photovoice project. Oral presentation at the *Tenth International Conference on Climate Change: Impacts and Responses* (California, USA).

Galway, L.P., & Carastathias, J. (2018/3). Exploring walkability and pedestrian safety in Thunder Bay. Oral presentation at *St. Joseph's 2018 Showcase of Health Research* (Thunder Bay, Canada).

2017

Hagopian, A., Flaxman, A., **Galway, L.P.**, Takaro, T., & Burnham, G. (2017/11). Recent Advances in Epidemiologic Methods for War Research. *American Public Health Association Annual Meeting* (Atlanta, USA).

Carastathias, J., & **Galway, L.P.** (2017/10). Exploring walkability and pedestrian safety in Thunder Bay. Oral presentation at *Northern Health Research Conference* (Thunder Bay, Canada).

Jones, A., Achary, Y., & **Galway, L.P.** (2017/4). Deforestation and child diet diversity: A geospatial analysis of 15 Sub-Saharan African countries. Poster presentation at *Inaugural Planetary Health Alliance Meeting* (Washington, United States).

Carastathis J., & **Galway, L.P.** (2017/2). Exploring walkability and pedestrian safety in Thunder Bay. Oral presentation at *The Ontario Public Health Convention* (Toronto, Canada).

2016

Galway, L.P. (2016/3). Boiling over: A descriptive analysis of boil-water advisories in First Nation drinking water systems reported in Ontario, Canada. Oral presentation at *Indigenous Health Conference* (Toronto, Canada).

2015

Galway, L.P. (2015/12). My ecohealth story: Reflections from an emerging scholar. Oral presentation and panel discussion at *Ecohealth and Global Health Symposium* (Toronto, Canada).

Khali, N., Dahms, K., Rogers N., Redko, C., Roberts, C., & Galway, L.P. (2015/5). Flipped classroom model in Master of Public Health instruction: Enhancing students' engagement. Oral presentation at *Teaching for Student Success Symposium: Reducing the Achievement Gap* (Dayton, United States).

2014

Galway, L.P., Frank, E., & Tairyan, K. (2014/11). Free, accredited graduate-level training in environmental and occupational health and medicine: A key for democratizing our professions. Poster presentation at the *SETAC Conference* (Vancouver, Canada).

Takaro, T., Barter, S., Gatto, S., McBride, S., & **Galway, L.P.** (2014/8). Health policy and climate change in British Columbia: Who's responsible for building adaptive capacity? Oral presentation at the *EcoHealth Conference* (Montreal, Canada).

Galway, L.P., Allen, D.M., Parkes, M.W., & Takaro, T.K. (2014/1). Hydroclimatic factors and acute gastro-intestinal illness in British Columbia, Canada: A time-series analysis. Poster presentation at the *2014 Annual Symposium on Environmental, Occupational, and Population Health* (Semiahmoo, United States).

Galway, L.P. (2014/1). Evaluation of the flipped classroom model in a master's-level environmental health course. Poster presentation at the *2014 Annual Symposium on Environmental, Occupational, and Population Health* (Semiahmoo, United States).

Galway, L.P., Allen, D.M., Parkes, M.W., & Takaro, T.K. (2013/12). Hydroclimatic factors and acute gastro-intestinal illness in British Columbia, Canada: A time-series analysis. Poster presentation at *American Geophysical Union's Fall Meeting* (San Francisco, United States).

2012

Hagopian, A., & **Galway, L. P.** (2012/11). A two-stage cluster sampling method using gridded population data, a GIS, and Google Earth™ imagery in a population-based mortality survey in Iraq. Oral presentation at the *2012 American Public Health Association Conference* (San Francisco, United States).

2011

Galway, L.P. (2011/2). Promoting improved feeding practices with Indigenous communities in the highlands of Bolivia: A participatory education project. Poster presentation at the *CIHR Institute of Nutrition, Metabolism and Diabetes* (Vancouver, Canada).

Galway, L.P. (2011/5). A two-stage cluster sampling method using gridded population data, a GIS, and Google Earth™ imagery in a population-based mortality survey in Iraq. Poster presentation at the *Association of Public Health Epidemiologists in Ontario 2011 Conference* (Barrie, Canada).

Galway, L.P., Takaro, T., & Solomon, A. (2011/5). Resilience in environmental and public health: Is it time for a social-ecological systems approach? Oral presentation at the *ICARUS 2011 Conference –*

Climate Adaptation Research and Understanding through the Social Sciences (Ann Arbor, United States).

2010

Galway, L.P. (2010/4). Water quality & enteric illness: Risk in a changing climate in BC. Oral presentation at the *Climate Impacts Research Consortium Research Day*. (Burnaby, Canada).

Galway, L.P. (2010/1). Water quality and enteric illness: Risk in a changing climate. Oral presentation at the 2010 *Annual Symposium on Environmental, Occupational and Population Health* (Semiahmoo, United States).

Invited presentations (22)

Galway, L.P. (2022/11). Climate emotions and anxiety among young people in Canada: A national survey and call to action. New Brunswick Environmental Network Webinar. (Online)

Galway, L.P. (2022/10). Lake Superior Living Labs Network. Open for Climate Justice (Online)

Galway, L.P. (2022/10). Watershed-based work: Flow, meandering, and influence. *Duluth Climate Action Field School*. (Online)

Galway, L.P. (2022/10). Watery Living Arts. *ECHO Collective Gathering*. (Vancouver Island)

Stevensen S.ǂ, & **Galway L.P.** (2022/08). Cross-sector collaboration and community engagement for just climate change transitions. *AMO Annual Conference. (Ottawa, Ontario)*

Galway, L.P. (2022/05). Social justice for a more empathetic world. *Congress of the Federation for Humanities and Social Sciences (FHSS)* (Online)

Galway, L.P. (2021/10). Insights from interdisciplinary, experiential, and place-based climate education. *2021 Lakehead University Teaching and Learning Week on Climate Pedagogy.* (Online)

Galway, L.P. (2021/9). Year of Climate Action Launch: Colonization is the cause of climate change and Indigenous Rights Are Climate Justice. (Online)

Galway, L.P. (2021/6). Environment sustainable health and mining. *Northern Ontario School of Medicine Health Research Town Hall.* (Online)

Galway, L.P. (2021/2). Role of research as an agent of climate Action Initiatives. *Lakehead University Research and Innovation Week keynote panel.* (Online)

Galway, L.P. (2020/7). COVID Conversations. *Health Sciences COVID Conversations Panel Series* (Online)

Galway, L.P. (2019/11). A brief introduction to the Lake Superior Living Labs Network. *ECHO network team Watershed meeting* (online).

Galway, L.P. (2016/4). Deforestation and child diet diversity. *Elsevier Atlas Award Ceremony*

Speaker (Thunder Bay, Ontario)

Galway, L.P. (2018/4). Solastalgia: What does it mean and where is the concept headed? *Workshop investigating the nexus of climate change, place, and human well-being* (Lutsen, Minnesota).

Galway, L.P. (2018/4). Public health in the Anthropocene (Duluth, Minnesota).

Galway, L.P. (2018/3). Summary of the walkability and pedestrian safety report, *Community Walkability Event: Working Towards a Walkable Thunder Bay* (Thunder Bay, Ontario).

Galway, L.P. (2017/10). Walkability and pedestrian safety report to City of Thunder Bay Council, *Thunder Bay City Council* (Thunder Bay, Ontario).

Galway, L.P. (2017/2). A climate change photovoice project in Thunder Bay. *Lakehead University Lt. Governor General's Round Table* (Thunder Bay, Ontario).

Galway, L.P. (2016/1). GIS systems in epidemiology & public health. *Canadian Society for Epidemiology and Biostatistics Webinar Series* (online).

Galway, L.P. (2015/12). NextGenU: An open access education initiative. *Lakehead University Open Access Week* (Thunder Bay, Ontario).

Galway, L.P. (2014/5). Learning about how climate change is framed: Insights from public health and water management. *Ecohealth Webinar – Responding to climate change: Actions and practices that link health, ecosystems, and society* (online).

Galway, L.P. (2014/5). Evaluation of the flipped classroom model in a master's level environmental health course. *SFU Teaching and Learning Center Symposium on Provocative Pedagogy* (Burnaby, Canada).

RESEARCH FUNDING & GRANTS

Dates	Granting Body	Project Title	Role	Amount
2023-2024	Social Sciences and Humanities Research Council (SSHRC) – Partnership Engage (PG) Program	Re-storying cumulative effects on land, connectedness to land, and well-being with Keewaytinook Okimakanak Tribal Council	PI	SUBMITTED
2023-2027	Social Sciences and Humanities Research Council (SSHRC) – Partnership Grant (PG) Program	Community-engaged Research in Education, Advocacy, & system Transformation for health Equity (CREATE): Exploring the Transformative Potential	Co-applicant	SUBMITTED

		of Socially Accountable Research Locally and Globally		
2023	World Wildlife Fund	Flora and Fire: Indigenous Ceremonial and Culinary Plants	Co-applicant	$2,000
2022-2023	10K Social Accountability Challenge – Planetary Health Stream	Youth, climate anxiety and mental health in Sault Ste. Marie	Co-applicant	$10,000
2022-2025	Social Sciences and Humanities Research Council (SSHRC) – Partnership Development Grant (PDG) Program	TAKE NOTICE: Targeting Action and Knowledge Exchange at the Nexus of Environment and Health Through Integrated Children and Youth Engagement	Co-applicant	$200,000
2022-2024	Community Funding Program of the Indigenous Centre for Cumulative Effects	Indigenous Voices: Learning from Severn River Watershed First Nations about the Effects, Impacts and Adaptations to Social and Environmental Disturbances of Cumulative Effects	Co-investigator	$174,752
2021-2022	Lakehead University VP Research and Innovation Strategic Fund – Year of Climate Action Grant	Digging into the Roots of it All: Exploring Ecological/Native Species Gardening in Northwestern Ontario	Co-investigator	$5,000
2021-2022	Lakehead University VP Research and Innovation Strategic Fund – Year of Climate Action Grant	Moving Towards Self-Care and Self-determination: Improving the Role and Organization of Tribal Councils in Remote First Nation Wildfire Evacuations	Principal investigator	$5,000
2021–2022	Indigenous Services Canada's Climate Change and Health Adaptation Program for First Nation	Building Climate Change Resiliency through Intergenerational Sharing	Co-principal applicant	$65,000

	Communities South of 60°N			
2021–2025	Canadian Foundation for Innovation	Understanding and Addressing the Social-Ecological Dimensions of Health	Principal investigator	$49,033
2021-2022	Social Sciences and Humanities Research Council (SSHRC) – Partnership Engage Grant (PEG) Program	Developing a Voluntary Local Review Process for Sustainable Development Goals in Thunder Bay	Co-applicant	$25,000
2021–2022	Environment and Climate Change Canada – Climate Action and Awareness Fund	The Lake Superior Climate Action Field School: Training the Next Generation of Climate Leaders	Co-principal investigator	$147,626
2021–2022	Government of Ontario Great Lakes Local Action Fund	Lakehead University's First Climate Change Park: Restoring the McIntyre River Through Awareness and Action	Co-applicant	$70,483
2020-2021	MITACS	Seed Saving, Well-being, and Resilience in Northwestern Ontario Growers	Co-applicant	$7,500
2020–2022	Lakehead University Research Development Fund	Parental Decision Making in the Face of Climate Change	Co-applicant	$6,000
2020–2023	Canadian Forest Services	Building resilience to climate and ecosystem change in Northern Ontario – forecasting and visualizing climate change scenarios for participatory capacity building	Co-applicant	$342,400
2019–2020	Indigenous Services Canada's Climate Change and Health Adaptation Program for First Nation Communities South of 60°N	Climate Change & Health Adaptation in Fort William First Nation: Planning for the Future, Today	Co-principal investigator	$54,450

2019–2020	Interprofessional Education Committee – Faculty Research Grant Competition	Climate Change in Medical School Curricula in Canada	Principal investigator	$1,000
2019–2022	Social Sciences and Humanities Research Council (SSHRC) – Partnership Development Grant (PDG) Program	Lake Superior Living Labs Network: Enhancing Capacity for Regenerative Social-Ecological Systems	Co-applicant	$188,106
2019–2022	Lakehead University Agricultural Research Station (LUARS) – Agricultural Research Capacity Development Program	Lakehead University Native Seed Saving Initiative	Co-applicant	$30,000
2019–2020	Lakehead University Research Development Fund	Cooperative Housing – Impacts on community health and social cohesion in the Canadian context	Co-applicant	$7,000
2018–2019	University of Minnesota Duluth – On the Horizon Program	Investigating the nexus of climate change, place, and human well-being	Co-applicant	$14,693
2018–2019	Lakehead University VP Research and Innovation Strategic Fund-University of Minnesota Duluth – Research Collaboration Grant	Developing a living lab learning network in the Lake Superior basin: Towards local and regional sustainability	Principal investigator	$3,000
2018–2019	Ministry of the Environment and Climate Change (MOECC) – Great Lakes Guardian Community Fund	Lakehead stormwater management demonstration and engagement site	Principal investigator	$18,811
2017–2020	Social Sciences and Humanities Research Council (SSHRC) – Insight Development Grant (IDG) Program	Climate change communication and engagement in Canada's provincial Norths: A collaborative place-based approach	Principal investigator	$54,478

2017–2018	Lakehead University VP Research and Innovation Strategic Fund – Sustainability Studies Research Grant	Exploring bikeability and cyclist safety in Thunder Bay	Principal investigator	$5,000
2017–2018	Social Sciences and Humanities Research Council (SSHRC) – Connection Grant	At the crossroads – Regional centres and the sustainability of Canada's rural and northern landscapes	Co-applicant	$18,150
2017–2018	Women's XChange $15K Challenge	Using maps to tell a story: Geographies of sexual and domestic violence in the municipality of Ottawa	Co-applicant	$15,000
2017–2018	Ministry of Environment and Climate Change (MOECC)	Educating and engaging Thunder Bay residents to build community resilience	Co-applicant	$7,000
2016–2022	Canadian Institute for Health Research (CIHR) – Team Grant Environments and Health: Intersectoral Prevention Research	The ECHO network (Environment, Community, Health Observatory): Strengthening intersectoral capacity to understand and respond to health impacts of resource development	Collaborator	$2,083,753
2016–2017	Lakehead University Social Sciences and Humanities Research Council (SSHRC) Grant Application Enhancement Program	Climate change communication: Engaging citizens in northwestern Ontario	Principal investigator	$1,000
2015–2016	Lakehead University Research Development Fund	Exploring local narratives of climate change impacts and adaptation: Creating a climate for community resilience in Thunder Bay	Principal investigator	$7,000
2013–2015	Simon Fraser University, Teaching and Learning Centre	An evaluation of the flipped classroom model in a master's level environmental and occupational health course	Co-applicant	$10,000

2011–2014	Canadian Institute for Health Research (CIHR) – Frederick Banting and Charles Best Canada Graduate Scholarships	The climate change, water, and health nexus	PhD Student	$90,000

PROFESSIONAL COMMITTEES & OTHER PROFESSIONAL/COMMUNITY SERVICES

Year	**Role**, **Association/Institution/Organization**
2022	Member, EnviroScreen cumulative effects tool engagement group
2022–present	Member, ECHO Collective
2021–present	Co-chair, Thunder Bay Climate Change Connectors
2021–present	Member, Northern Ontario School of Medicine's Advisory Council on Climate Change
2020–present	Professional Member, Planetary Health Alliance
2018–present	Member, Watershed Working Group, ECHO Network
2015–present	Working Group Member**,** EarthCare Thunder Bay Adaptation Working Group
2020–2022	Participant, Science Meets Parliament
2020-2021	Advisory Committee Member, Thunder Bay Net Zero Strategy, City of Thunder Bay
2018–2019	Member, Climate Change and Health Assessment Advisory Committee, Thunder Bay District Health Unit
2018–2019	Advisory Committee Member, EarthCare Thunder Bay
2017–2019	Steering Committee Member, Ecohealth Ontario
2017–2019	Steering Committee Member, Ecological Determinants Group on Education
2017–20 19	Working Group Member, Ecological Determinants Group on Education (EDGE) Core Competency and Curriculum Development Sub-Committee
2015–2019	Member, Canadian Community of Practice in Ecosystem Approaches to Health-Ontario Node
2015–2019	Member, Thunder Bay District Health Unit Thunder Bay Walkability Committee
2018–2019	Member, Agents of Change Climate Action Conference Advisory Committee
2016–2017	Member, Ottawa River Watershed Science Committee
2014–2015	Member, BC Climate Change and Health Policy Group (CCHPG)
2014	Working Group Member**,** Ecohealth Call to Action Statement on Climate Change and Health
2012–2013	Working Group Member**,** Canadian Center for Policy Alternatives (CCPA) Health Inequities and Climate Justice Project

Review and editorial activities

- Reviewer Board Member, Journal of Climate change and Health (2023)
- Reviewer, Ontario Women's Health Scholar Awards (2023)
- Co-editor, *Local Environments* – Living Labs (2022)
- Reviewer, Lake Superior Living Labs Network Mini Grants (2022)
- Reviewer, Frontiers in Political Science (2022)
- Reviewer, International Journal of Environmental Research and Public Health (2022)
- Reviewer, Emotions, Space and Society (2022)
- Reviewer, American Association of Geographers (AAG) Annual Meeting session, *Living Labs at the Forefront of Social and Environmental Change (2022)*
- Reviewer, CIHR Doctoral Award (2021)
- Reviewer, *Geohealth* (2021)
- Reviewer, *Social Science and Medicine* (2021)
- Reviewer, CIHR Masters Award (2020)
- Reviewer, *Emotion, Space and Society* (2020)
- Co-editor, *Northern Review* – Regional Centres and the Sustainability of Rural and Northern Landscapes (2020)
- External Reviewer, PhD Dissertation – University of Guelph, Canada (2020)
- Reviewer, Mitacs Accelerate Research Program (2019)
- Reviewer, *BMC Medical Education* (2018)
- Reviewer, *International Journal of Environmental Research and Public Health* (2018)
- Reviewer, *Food Security* (2018)
- Reviewer, Post-doctoral Posters – Lakehead University Research and Innovation Week (2018)
- External Reviewer, NSERC Discovery Grant (2017)
- Reviewer, *Annals in Epidemiology* (2015)
- Reviewer, *Health and Place* (2015)

Administrative responsibilities

- Member, Lakehead University Sustainable Development Goal Week Organizing Committee (2022)
- Member, C2U Expo (Community-Campus-Exposition) Organizing Committee (2022)
- Member, C2U Expo (Community-Campus-Exposition) Steering Committee (2022)
- Member, Sustainability Stewardship Council, Climate Action Working Group (2020–present)
- Member, Sustainability Stewardship Council (2017–present)
- Member, Year of Climate Action Coordinating Committee, 2020-2022
- Co-chair, Sustainability Stewardship Council, Engagement Working Group (2017–2021)
- Sub-committee Member, Master of Public Health, BHSc Development Sub-committee (2015–present)
- Committee Member, Master of Public Health Admissions Committee (2015–present)
- Co-ordinator, Master of Health Sciences Program (2018–2019)
- Co-ordinator, Gerontology Program (2018–2019)

COURSES & TEACHING

Year	Institution	Course Name	Number of Students
Fall 2021	Lakehead University	Ecological Perspectives in Health	9

Winter 2021	Lakehead University	Environmental and Occupational Public Health	15
Fall 2020	Lakehead University	Ecological Perspectives in Health	15
Fall	Lakehead University	Directed Reading in Health Sciences – Planetary Health	1
Winter 2020	Lakehead University	Environmental and Occupational Public Health	30
Fall 2018	Lakehead University	Ecological Perspectives in Health	15
Fall 2018	Lakehead University	Directed Reading in Health Sciences – Mental, Emotional, and Spiritual Health Impacts of Environmental Change	1
Winter 2018	Lakehead University	Environmental and Occupational Public Health	34
Winter 2018	Lakehead University	Master of Public Health Practicum and Report	12
Fall 2017	Lakehead University	Master of Public Health Practicum and Report	3
Summer 2017	Lakehead University	Environmental and Occupational Public Health	68
Summer 2016	Lakehead University	Environmental and Occupational Public Health	66
Winter 2014	Simon Fraser University	Environmental and Occupational Public Health	18

Guest lectures

- Human Environment, Dept. of Geography, Geology & Land Stewardship, Dr. Cameron (2023)
- Climate Change and Communities, Dept. of Geography, Geology & Land Stewardship, Dr. Cameron (2022)
- Complexity Theory, Faculty of Health and Behavioural Sciences, Dr. Stroink (2021)
- Healthy Parks, Healthy People, School of Outdoor Recreation, Parks & Tourism, Dr. Lemlin (2018)
- Complexity Theory, Faculty of Health and Behavioural Sciences, Dr. Stroink (2016)
- Interdisciplinary Seminar in the Health Sciences, Faculty of Health Sciences, Simon Fraser University, Dr. Takaro (2016)
- Environmental and Occupational Health*,* Faculty of Health Sciences, Simon Fraser University, Dr. Takaro (2015)
- Environmental and Occupational Health*,* Faculty of Health Sciences, Simon Fraser University, Dr. Takaro (2014)

Other teaching-related activities

- Thunder Bay Climate Action Field School lead, Lake Superior Living Labs Network (2023)

- Lake Superior Climate Action Field School lead, Lake Superior Living Labs Network (2021)
- Development of core competencies in Ecological Determinants of Health with Ecological Determinants Group on Education (EDGE) group (2016–2019)
- Development of Master of Public Health specialization in Social-Ecological Systems, Sustainability and Health (2017)
- Curriculum development, Next GenU (2015)
- GIS & Public Health Seminar, Faculty of Health Sciences, Simon Fraser University (2012 & 2013)

GRADUATE STUDENT SUPERVISION

Student	Date	Supervision Type	Thesis Title
PHD Students			
Kirsti Tasala	2020-present	Committee member	TBD
Kelsey Jones-Casey	2020–present	Supervisor	TBD
Henrike Burkhart	2020–present	Supervisor	TBD
Rachel Portinga	2018–present	Co-supervisor	TBD
Master of Health Sciences			
Brigitte Champaigne-Klassen	2020–present	Supervisor	Exploring how to develop an EnviroScreen in Ontario and why: A mixed methods approach
Aynsley Klassen	2020–present	Supervisor	Emotional dimension of youth climate activism
Dallon Lamarche	2019–present	Committee member	Factors impacting the referral to, enrollment in, and completion of Cardiovascular rehabilitation within Northwest, Ontario
Donovan Parenteau	2020–2022	Supervisor	
Shadiya Aidid	2019–2022	Co-supervisor	Examining climate justice in the fossil fuel divestment movement in Canadian universities
Mandeep Sidhu	2019–2021	Committee member	Perceptions of Health and Wellbeing Benefits from Living in Housing Cooperatives in Canada
Rachel Globensky	2019–2021	Committee member	Exploring Cooking, Culture & Equity in Collective Cooking Spaces: a case study of Roots to Harvest in Thunder Bay, Ontario
Andrea Fortin	2017–2021	Supervisor	Effect of sociodemographic and health system contextual factors on the

			association between multimorbidity and colorectal cancer survival: A population-based retrospective cohort study
Rob Sanderson	2017–2021	Supervisor	Health professionals and climate change communication: An exploratory study in Northern Ontario
Michaela Bohunicky	2018–2020	Committee member	Confronting settler colonialism in food systems: Exploring two food movement networks in Canada and Australia
Ambili Kariaparambil Rajan	2017–2020	Committee member	Impacts of Depression and its Management on the Survival of Cancer Patients with or without other Chronic Disease

Master of Public Health (MPH) students

Student	**Date**	**Placement Site**
Adena Miller	2018 (Winter)	Thunder Bay District Health Unit
Thomas Cheung	2018 (Winter)	Alberta Health Services
Sarah Cummings	2018 (Winter)	Simcoe Muskoka District Health Unit
Anca Tanese	2018 (Winter)	Brant County Health Unit
Carolyn Mathers	2018 (Winter)	Interior Health
Blanca Gonzalez	2018 (Winter)	Toronto Public Health
Elizabeth Venditti	2018 (Winter)	Northwestern Health Unit
Ziyaad Ozeerun	2018 (Winter)	Toronto Public Health
Myrtle Bonnie	2018 (Winter)	First Nation Inuit and Health Branch
Victoria Santo	2018 (Winter)	Ontario Public Health Association
Palwasha Khan	2018 (Winter)	Canadian Cancer Society
Travis Kirkwood	2018 (Winter)	Division of Infectious Disease (Ottawa Hospital)
Trudy Sasse-Colgan	2017 (Fall)	Diabetes Canada
Kelsey Mighton	2017 (Fall)	Southeast Grey Community Health Centre

UNDERGRADUATE STUDENT SUPERVISION

Student	Date	Supervision Type	Thesis Title
Donovan Parenteau	2021–2022	Supervisor	Moving Towards Self-Care and Self-Determination: Improving the Role and Organization of Tribal Councils in Remote First Nations Wildfire Evacuations
Christopher Armiento	2021–present	Committee member	Where do Adolescents See Cannabis Marketing? A Geospatial Analysis in Thunder Bay, Ontario, Canada

SELECTION OF OTHER KNOWLEDGE DISSEMINATION & MOBILIZATION ACTIVITIES

Multi-media, arts-based, and research creation

- Co-lead, Fort William Mountain Keepers Time-lapse Video (2022)
- Co-lead, KO Tribal Council Treaties, Lands, and Research Treaty Timelines (2022)
- Co-lead, Fort William First Nation Billboard - Listen to Anemkii Wajiw (2022)
- Co-lead, Water Knows No Borders Living Arts workshop (2022)
- Contributor, KO Tribal Council Treaties, Lands, and Research Podcast (2022)
- Co-lead, Year of Climate Action Video Messages: Why climate action is important for our University (2022)
- Co-lead, Virutal 360 tour, Lakehead University Sustainabitly Tour (2022)
- Co-lead, Fort William First Nation Elder-Youth Climate Action Project (2022)
- Contributor, ECHO reflections in Art - Digital story (2021)
- Virutal 360 tour, Thunder Bay Climate Action Field School (2021)
- Co-lead, Thunder Bay Climate Connectors Knowledge-to-action Handouts (2021)
- Co-lead, Fort William First Nation Climate Messages Quilt (2020)
- Co-lead, Photovoice with Fort William First Nation youth (2020)
- Co-lead, the development of *Sustainability Stories Video Series* using digital storytelling methods (2020)
- Lead, Developed the Thunder Bay Climate Connection website (https://climatechangetbay.com/) in collaboration with the City of Thunder Bay (2018)
- Contributor, video summarizing project results from *Using maps to tell a story: Geographies of sexual and domestic violence in the municipality of Ottawa*
- Co-lead, Photo exhibit illustrating results from a community photovoice project (2016–2019)
- Lead, Website to illustrate results from LU-SRC funded research project (2016)

Conferences, workshops, and other events

- Facilitator, Postcards for Climate Action workshop (2022)
- Organizer, The New Lake Superior: New and Ongoing Climatic Features in Lake Superior webinar (2022)
- Co-organizer, Lakehead Year of Climate Action Symposium: So what? Now what? (2022)
- Facilitator, Year of Climate Action Launch Event (2021)
- Lead, Thunder Bay Climate Action Field School (2021)
- Facilitator, Climate Emotions Circle (2021)
- Contributor, Climate Justice in the Lake Superior Watershed (2021)

- Contributor, What is Climate action Panel (2021)
- Tour developer, Lakehead Stormwater Management tour (2021)
- Co-facilitator, Climate Action Park Visioning Workshop with LU Elders Council (2021)
- Co-facilitator, Climate Action Park Visioning Workshop with LU students (2021)
- Co-facilitator, Climate Action Park Visioning Workshop with Staff and faculty (2021)
- Co-facilitator, EcoSuperior Climate Change Forum (2021)
- Co-organizer, *LSLLN Sustainability Summit* (2020)
- Co-organizer, Elder-youth sharing circle on climate change (2020)
- Workshop Co-facilitator, *Climate Communication Workshop*, with EcoSuperior (2020)
- Workshop Co-facilitator, Climate Change Luncheon Fort William First Nation (2019)
- Workshop Co-organizer, *Regional centres and the sustainability of Canada's rural and northern landscapes* (2018)
- Workshop Co-facilitator, *Ecohealth in Thunder Bay: A scoping workshop*, COPEH-Canada (2017)
- Conference Organizing Committee Member, *Lakehead University Climate Change Forum* (2016–2017)

Media

- CBC Radio Superior Morning (2023/3). Lindsay Galway Climate Change Survey
- The Toronto Star (2023/03) **Young Canadians were asked how they felt about climate change — and their future. Here's what they said**
- The Walleye. (2022/11) Listen To Animikii Wajiw: A Call for Environmental Stewardship
- Anishinabek News (2022/8). The Anemki Wajiw mountain keepers create art with the help of Mother Earth
- CBC Radio (2022/6). Climate Emotions
- Chronicle Journal- Research in Action (2021/11). *Climate Action Field School*
- *Ecology, Environment & Conservation* (2021/6). New Findings from Lakehead University in the Area of Transport Geography Reported
- TBay News Watch (2021/5). Canadian and U.S. universities launch the Lake Superior Climate Action Field School
- CBC News (2021/5). Training climate leaders: Field school for Canadian, U.S. universities set for August
- CBC Radio Superior Morning (2021/5). Lake Superior Climate Action Field School
- CTV News (2021/5), Algoma University to study Lak Superior in multi-university partnership
- Chronicle Journal- Research in Action (2020/8). *Project Guides Climate Change Communication Strategies, Chronicle Journal*
- Chronicle Journal- Research in Action (2020/11). *Food security*