

## Terra Manca

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### CURRENT AFFILIATIONS

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- Research Associate** **2021-present**  
Faculty of Nursing, University of Alberta, Canada  
Supervisor: Dr. Shannon E. MacDonald
- Adjunct of the Faculty of Graduate Studies** **2022-present**  
Department of Sociology and Social Anthropology  
Dalhousie University, Canada

### EDUCATION

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- PhD in Sociology** **2017**  
University of Alberta, Canada  
Thesis: *Medical Knowledge and Uncertainty: Health Professionals' Narratives About Vaccines*.  
Supervisor: Dr. Stephen A. Kent
- MA in Sociology** **2009**  
University of Alberta, Canada  
Thesis: "Christian Science and Healthcare in Canada."  
Supervisor: Dr. Stephen A. Kent
- BA in Sociology (Honours with thesis)** **2007**  
University of Alberta, Canada

### PUBLICATIONS

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#### Refereed Articles

- Manca, T** and H Humble, L Aylsworth, E Cha, D Greyson, J Parsons Leigh, et al. "We Need to Protect Each Other: COVID-19 Vaccination Intentions and Concerns Among Visible Minority and Indigenous Peoples." *Social Science and Medicine* 313: 115400.
- Aylsworth, L and **T Manca**, È Dubé, F Labbé, SM Driedger, K Benzies, N MacDonald, J Graham, S MacDonald. "Facilitators and Barriers to Accessing COVID-19 Vaccines among Visible Minorities and Indigenous Peoples in Canada." *Human Vaccines & Immunotherapeutics* (in press).
- Dubé, E and SE MacDonald, **T Manca**, JA Bettinger, SM Driedger, J Graham, et al. 2022. "Understanding the Influence of Online Information, Misinformation, and Reinforcement on COVID-19 Vaccine Acceptance: Protocol for a Multicomponent Study." *Journal of Medical Internet Research, Research Protocols* (accepted, manuscript #41012).

- Manca T** and M Sadarangani, S Halperin, J Langley, E McClymont, S MacDonald, K Top. 2022. “Vaccine Regulation Should Require and Enforce the Inclusion of Pregnant and Breastfeeding Women in Prelicensure Clinical Trials.” accepted to *Human Vaccines and Immunotherapeutics* (online first).
- Dubé, È and F Labbé, B Malo, **T Manca**, L Aylsworth, SM Driedger, et al. 2022. “‘I Don’t Think There’s a Point for me to Discuss it with my Patients’: Exploring Health Care Providers’ Views and Behaviours Regarding COVID-19 Vaccination” *Human Vaccines and Immunotherapeutics*.
- Manca, T** and K Top, K Weagle, J Graham. 2022. “Deferring Risk: Concerns about Limitations to the Evidence Contained in Vaccine Product Labels about use in Pregnancy.” *Journal of Women’s Health* 31(8): 1103-1112.
- Manca, T** and J Graham, È Dubé, M Kervin, E Castillo, N Crowcroft, et al. 2019. “Developing Product Label Information to Support Evidence-Informed Use of Vaccines in Pregnancy.” *Vaccine* 37(48): 7138-7146.
- Manca, T**. 2018. “Fear, Rationality, and Risky Others: A Qualitative Analysis of Physicians’ and Nurses’ Accounts of Popular Vaccine Narratives.” *Technology in Society* 55: 119-125.
- Butterworth, K and R Rajupadhya, R Gongal, **T Manca**, S Ross, and D Nichols. 2018. “A Clinical Nursing Rotation Transforms Medical Students’ Interprofessional Attitudes.” *PLoS One* 13(5): e0197161.
- Grekul, J and W Aujla, L Aylsworth, G Eklics, **T Manca**, A York. 2018. “Community Service Learning in a Large Introductory Sociology Course: Reflections from Course Instructors,” *Engaged Scholar Journal* 4(1): 61-78.
- Manca, T**. 2018. “‘One of the Greatest Medical Success Stories:’ Physicians and Nurses’ Small Stories about Vaccine Knowledge and Anxieties.” *Social Science and Medicine* 196: 182-189.
- Manca, T**. 2016. “Health Professionals and the Vaccine Narrative: ‘The Power of the Personal Story’ and the Management of Medical Uncertainty.” *Journal of Health, Risk & Society* 18(3/4): 1-23.
- Butterworth, K and D Nichols, **T Manca**. 2016. “How Future Doctors in Nepal are Using Reflective Portfolios to Learn Compassion and Empathy.” *The European Journal of Palliative Care* 23(1): 36-41.
- Manca, T**. 2015. “Growing up with Strictly Religious Parents: A Narrative Analysis of Second-Generation Memoirs.” *International Journal of Cultic Studies* 6: 16-33.
- Kent, S and **T Manca**. 2014. “A War over Mental Health Professionalism: Scientology versus Psychiatry.” *Mental Health, Religion and Culture* 17(1): 1-23. (Listed third under “Most Read” as of August 2019; part of Routledge Behavioral Sciences journals’ “[The Most Read Mental Health Article Collection](#)” in 2014).
- Manca, T**. 2013. “Medicine and Spiritual Healing Within a Region of Canada: Preliminary Findings Concerning Christian Scientists’ Healthcare Practices.” *Journal of Religion and Health* 52(3): 789-803.
- Manca, T**. 2012. “L. Ron Hubbard’s Alternative to the Bomb Shelter: Scientology’s Emergence as a Pseudo-Science During the 1950s.” *Journal of Religion and Popular Culture* 24(1): 80-96.

**Manca, T.** 2010. "Alternative Therapy, Dianetics, and Scientology." *Marburg Journal of Religion* 15. Online: <[http://www.uni-marburg.de/fb03/ivk/mjr?language\\_sync=1](http://www.uni-marburg.de/fb03/ivk/mjr?language_sync=1)>

**Manca, T.** 2008. "Innocent Murderers? Abducted Children in the Lord's Resistance Army." *Cultic Studies Review* 7: 129-166.

### **Book Chapters**

**Manca, T.** 2017. "Presentations of Scientology in Prominent North American News Series." In *Scientology in Popular Culture*. Eds. Stephen A. Kent and Susan Raine, 239-278. New York: Praeger.

### **Reviews** (non-refereed)

**Manca, T.** 2014. "Going Clear: Scientology, Hollywood, and the Prison of Belief." Lawrence Wright. 2014. *International Journal of Cultic Studies* 5: 68-69.

**Manca, T.** 2010. "Scientology." James R. Lewis (ed.). 2009. *International Journal of Cultic Studies* 1: 83-88.

### **Report**

Graham, J and **T Manca.** 2020. "Return to a new normal: Royal society members identify key societal challenges posed by COVID 19." *COVID-19 Resources*. The Royal Society of Canada (RSC). May 6 (<https://rsc-src.ca/en/covid-19>).

## **PEER-REVIEWED FUNDING**

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**Title:** Responsible for more: Informal caregiving and parenting in a pandemic

**Role:** Principal Investigator

**Period:** 2-years (June 1, 2022 – May 31, 2024)

**Funder/Competition:** Social Sciences and Humanities Council of Canada (SSHRC) - Insight Development Grant

**Value:** \$75,000 requested (value TBD)

**Co-Investigator:** Whelan, E

**Collaborator:** Lee, R

**Status:** FUNDED

**Title:** Examining Drivers of Vaccine Hesitancy and Approaches to Improve Vaccine Confidence in Canada

**Role:** Co-Investigator

**Period:** 2-years (2021-2022)

**Funder/Competition:** Canadian Institutes of Health Research (CIHR) – Operating Grant: Emerging COVID-19 Research Gaps and Prior

**Value:** \$251,232

**Principal Investigators:** Leigh-Parsons, J and H Stelfox, K Fiest, S Halperin, S Kupsch, S Longmore, B September

**Co-Investigators:** Ahmed, S and E Dubé, D Halperin, J Hu, S MacDonald, **T Manca**, J Ng, K Sauro, A Soo

**Status:** FUNDED

## **RESEARCH EMPLOYMENT**

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### **Research Associate**

**2021-present**

#### *COVImm: Vaccination in a Pandemic*

Nursing, University of Alberta (Dr. Shannon MacDonald)

- Co-led investigation into equity-seeking groups perspectives of COVID-19 vaccines
- Developed qualitative study components with colleagues and public health stakeholders
- Supervised undergraduate and graduate student contributions to study

### **Postdoctoral Fellow**

**2017-2022**

Department of Pediatrics, Dalhousie University

Co-supervisors: Drs. Janice Graham and Karina Top

#### *Understandings of Vaccination in Pregnancy (2nd postdoctoral fellowship)*

- Designed project based on findings from research into vaccine product information
- Investigated the influence of emotion, gender, and intersecting identities on vaccine decisions

#### *Developing Vaccine Product Monograph Language (1st postdoctoral fellowship)*

- Led a consensus workshop with stakeholders, developing surveys, analyzing data
- Presented results, preparing manuscripts, and revising product monograph statements

### **Research Analyst**

**2015-2018**

#### *Interprofessional Learning Pathway*

Health Sciences and Education Research Commons, University of Alberta (Dr. Sharla King)

- Collected and analyzed data using MaxQDA for evaluation reports and academic articles

### **Research Assistantships**

#### *Buying, Selling, and Sharing Human Milk*

**2017**

Department of Sociology, University of Alberta (Dr. Robyn Lee)

- Collected literature about topics including breast milk, motherhood, and affect

#### *Competency-Based Medical Education*

**2011-2015**

Department of Family Medicine, University of Alberta (Dr. Shelley Ross; Dr. Constance Lebrun)

- Conducted focus groups and presented at conferences about medical education

#### *Competency-Based Medical Education in Alberta and Nepal*

**2013, 2015**

Department of Family Medicine, University of Alberta (Dr. Darren Nichols)

- Analyzed student portfolios from the Patan Academy of Health Sciences (Nepal) using NVivo

#### *Family Caregivers Project*

**2013-2014**

Faculty of Nursing, University of Alberta (Dr. Wendy Duggleby)

- Recruited difficult to locate participants for the Family Caregivers Project

#### *Archival work*

**2007-2010**

Stephen A. Kent Collection on Alternative Religions, University of Alberta

- Archival research and writing in a private New Religious Movements collection

## **TEACHING**

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### **Summary**

- Primary instruction and course development:
  - Taught eight courses with online course components
  - Developed course syllabi, assessment materials, readings, and lecture plans
  - Taught class sizes ranging from 11-196 students
- Teaching assistantships:
  - Six lab components for four methodology courses as a Teaching Assistant
  - Two tutorial components for introductory sociology courses as a Teaching Assistant (one tutorial section included a service-learning component)

### **Courses Taught as Primary Instructor (8 total)**

<i>Introduction to Sociology</i> (Soc 100) Department of Sociology, University of Alberta Department of Sociology, Concordia University Edmonton	<b>2019, 2017</b>
<i>Sociology of the Family</i> (Soc 271) Department of Sociology, University of Alberta	<b>2015-16, 2018</b>
<i>Research Design and Qualitative Methods</i> (AuSoc 236) Department of Social Sciences University of Alberta, Augustana Campus	<b>2017</b>

### **Selected Teaching Development**

<b>Sociology Teaching Mentorship Program</b>	<b>2017</b>
<ul style="list-style-type: none"> <li>• This program involved working closely with Dr. Jana Grekul throughout the development and implementation of a summer Introduction to Sociology course.</li> </ul>	
<b>Graduate Teaching and Learning Course Level 3</b>	<b>2017</b>
<ul style="list-style-type: none"> <li>• This project-based course involved designing a syllabus, lecture, exam, and assignment.</li> </ul>	
<b>Center for Teaching and Learning (CTL)</b>	<b>2015-2017</b>
<ul style="list-style-type: none"> <li>• Seminars and private meetings</li> </ul>	
<b>Introduction to Sociology with Community Service-Learning (CSL) component</b>	<b>2011</b>
<ul style="list-style-type: none"> <li>• Workshops, mentorship, and experience integrating experiential learning into a tutorial</li> </ul>	

### **AWARDS (Selected)**

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#### **Postdoctoral Funding** (3 awards totalling \$201,200)

<b>CIRN Postdoctoral Scholarship</b> (2 years) Canadian Immunization Research Network; Dalhousie University	<b>2020-2022</b> (\$100,000)
<b>IWK Postdoctoral Fellowship</b> (2 years) IWK Health Centre Research; Dalhousie University	<b>2019</b> (\$100,000)
<b>Vaccinology Student Research Program Travel Bursary</b> Canadian Immunization Conference	<b>2018</b> (\$1,200)

**Graduate Scholarships** (8 awards totalling \$242,219 CAD)

<b>Dissertation Fellowship</b> Faculty of Graduate Students and Research, University of Alberta	<b>2014</b> (\$26,035.77)
<b>Izaak Walton Killam Memorial Scholarship</b> (2 years) Faculty of Graduate Students and Research, University of Alberta	<b>2012</b> (\$70,000)
<b>Joseph-Armand Bombardier Canada Graduate Scholarships</b> (3 years) Social Science and Humanities Research Council (SSHRC)	<b>2009</b> (\$105,000)
<b>President's Doctoral Prize of Distinction</b> (3 years) University of Alberta	<b>2009</b> (\$20,284)
<b>Graduate Student Scholarship</b> (2 awards at \$3,000 each) Government of Alberta	<b>2008, 2009</b> (\$6,000)
<b>SSHRC, Master's Scholarship</b> Social Science and Humanities Research Council (SSHRC)	<b>2008</b> (\$17,500)
<b>Walter H Johns Graduate Fellowship</b> Department of Sociology, University of Alberta	<b>2008</b> (\$4,435)
<b><u>Graduate Travel and Research Awards</u></b> (9 awards totaling \$8,183)	
<b>Mary Louise Imrie, J Gordin Kaplan &amp; Profiling Alberta's Graduate Students Awards</b> (2 awards at \$1,300 each) Faculty of Graduate Students and Research, University of Alberta	<b>2009, 2015</b> (\$2,600)
<b>Professional Development Award</b> (3 awards at \$500 each) Graduate Students Association, University of Alberta	<b>2009, 2011, 2015</b> (\$1,500)
<b>Doctoral Research Award</b> Department of Sociology, University of Alberta	<b>2014</b> (\$2,583)
<b>Sociology Graduate Travel Grant</b> (3 awards at \$500 each) Department of Sociology; University of Alberta	<b>2009, 2011</b> (\$1,500)

**PRESENTATIONS****Refereed** (Selected)

**Manca, T.** 2022. ““We didn't really feel super informed:’ Perceptions of vaccination in pregnancy during the pandemic.” *Canadian Sociological Association (CSA) Congress*. (Virtual).

**Manca, T.** 2022. “Maternal responsibility, choice, and paternal guidance: A content analysis of information about vaccination in pregnancy.” *CSA Congress*. (Virtual).

**Manca, T.** 2021. “Entanglements of gender in Canadian information about vaccination in pregnancy.” *CSA Congress*. Edmonton (Virtual).

**Manca, T** and L Aylsworth, È Dubé, M Driedger, K Benzies, N MacDonald, J Graham, S MacDonald for the Canadian Immunization Research Network Investigators. 2021. “A

- qualitative investigation of barriers and facilitators to COVID-19 vaccination among visible minority and Indigenous peoples in Canada.” *Canadian Immunization Conference*. (Virtual).
- Manca, T.** 2021 “‘Protect Your Baby:’ Narratives of Risk and Maternal Responsibility in Information about Vaccination in Pregnancy.” *IV ISA Forum of Sociology*. Brazil (Virtual).
- Manca, T.** 2021. “Pregnancy, Patriarchy, and the Prioritisation of Risks during the COVID-19 Global Pandemic.” *IV ISA Forum of Sociology*. Brazil. (Virtual).
- Manca, T** and K Top, J Graham. 2020. “We need better quality data:” Vaccine stakeholder and healthcare providers’ perceptions of the evidence about use in pregnancy in vaccine product monographs. *Canadian Immunization Conference*. (virtual due to COVID-19). Two virtual recordings and a questions period.
- Manca, T** and K Top, J Graham. 2020. “‘We need better quality data:’ Vaccine stakeholder and healthcare providers’ perceptions of the evidence about use in pregnancy in vaccine product monographs.” *Canadian Immunization Conference*. (Virtual).
- Manca, T.** 2020. “Bliss and baby bumps: Images of pregnancy in Canadian vaccine information.” Canadian Sociological Association Conference. London, ON. (Cancelled due to COVID-19).
- Manca, T** and J Graham, È Dubé, M Kervin, E Castillo, N Crowcroft, et al. 2018. “Developing product monograph language that supports evidence-informed use of vaccines in pregnancy.” *Canadian Immunization Conference*. Ottawa. (Poster and 3-minute presentation).
- Manca, T.** 2018. “‘I Think One Should Vaccinate Carefully:’ Health Professionals Accounts of Medical Knowledge.” *International Sociological Association World Congress*. Toronto.
- Manca, T.** 2016. “‘I had to Solve it for Myself:’ Accounts of Professionalism and Vaccine Ambivalence.” *Canadian Sociological Association*. Calgary.
- Manca, T** and S. Kent. 2016. “Family Life in Scientology’s Corporate Organizations: An Analysis of Former Scientologists’ Narratives.” *Canadian Sociological Association*. Calgary.
- Manca, T.** 2015. “Health Professionals and the Vaccine Narrative: ‘The Power of the Personal Story’ and the Management of Medical Uncertainty.” *European Sociological Association*. Prague.
- Manca, T,** D Nichols, and S Ross. 2015. “‘I’m not Sure I’d Ever Define Myself as a Teacher:’ Divergent Perspectives on Preceptor Feedback and Teaching in Emergency Medicine and Family Medicine.” *Annual Scientific Assembly*. Banff.
- Manca, T,** and K Butterworth, D Nichols. 2014. “A Qualitative Analysis of Nepal’s New Medical School: Improving Hospital Culture through Attitudinal Development.” *International Institute of Qualitative Methods*. University of Alberta.
- Manca, T,** and M Donoff, S Schipper, P Humpheries, et al. 2014. “Family Medicine Education and Participatory Action Research: Research and Development of CBAS (Competency Based Achievement System).” *International Institute of Qualitative Methods*. University of Alberta.
- Manca, Terra.** 2013. “Medical Knowledge and Uncertainty: Healthcare Workers’ Anxieties about Vaccines.” *CSA Congress*. University of Victoria.

**Invited** (Not Refereed)

**Manca, T.** 2021. “Perceptions of COVID-19 vaccination in pregnancy.” *CAIRE Research Sponsor Advisory Board Meeting*. (15-minute virtual stakeholder meeting).

**Manca, T.** 2021. “Deferring risk: The COVID-19 pandemic and vaccination during pregnancy.” *Canadian Society for the Sociology of Health*. Canada-wide (60-minute virtual webinar, recording: <https://www.cssh-scsc.ca/webinars>).

**Manca, T.** 2020. “Beyond transparency: Vaccination in pregnancy and COVID-19.” *Pediatric Grand Rounds*. Dalhousie University (virtual).

**Manca, T.** 2018. “Delphi survey results.” Consensus Building Workshop. Canadian Vaccine Product Monograph Working Group. Ottawa, Canada.

**Other talks** (Not refereed)

**Manca, T.** 2022. “Improving information about vaccination in pregnancy.” *Canadian Association for Immunization Research, Education and Evaluation; Canadian Immunization Research Network Education Series*. (virtual - scheduled for June 9<sup>th</sup>, 2022).

**Manca, T.** 2021. “COVID-19 vaccination during pregnancy.” Reviewed how to find trustworthy information. Virtual meeting with the Multicultural Health Brokers in Edmonton.

**Manca, T.** 2020. “Improving vaccine product monographs and other information sources about vaccination in pregnancy.” *Canadian Center for Vaccinology and Canadian Immunization Research Network Education Series*. Dalhousie University (60-minutes virtual).

**ACADEMIC SERVICE** (Selected)**Committees**

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|---|------------|
| <b>Trainee Member of the Training and Education Committee (TEC)</b>   | 2020-2021  |
| <ul style="list-style-type: none"> <li>• Contribute to Canadian Immunization Research Network curriculum</li> <li>• Organize virtual networking events, trainee sessions, and monthly seminars</li> </ul>     |            |
| <b>Co-Chair of the Sociology Graduate Students Conference Committee</b>   | 2010 -2011 |
| <ul style="list-style-type: none"> <li>• Procured grants, developed call for papers, prepared conference schedule</li> <li>• Recruited a keynote speaker (Professor Dorothy Smith) and delegates</li> </ul>   |            |
| <b>Graduate Student Hiring Committee</b>  | 2010       |
| <ul style="list-style-type: none"> <li>• Helped faculty and graduate students to assess tenure-track position applicants</li> <li>• Met with tenure-track position applicants and hiring committee</li> </ul> |            |
| <b>Publicity Committee: The Sociology Graduate Students Conference Committee</b>  | 2008       |
| <ul style="list-style-type: none"> <li>• Recruited speakers from various universities for the conference</li> </ul>   |            |

**Participation in Stakeholder and Working Groups**

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| <b>CanVax (established by the Canadian Public Health Association)</b>  | 2022 |
| Dr. Manca serves as an expert reviewer of CanVax in Brief articles, which update policymakers and clinicians on emerging topics in immunization. |      |
| <b>Feminist Research Cluster Canadian Sociological Association</b>   | 2021 |
| <ul style="list-style-type: none"> <li>• Contributed to “A demand for free and accessible childcare at Congress”</li> </ul>                      |      |



**Gender and COVID-19 Working Group**

- Discussed to international research and activism

2020 – present

**Prevention of Infections from MatErnal-Infant Dyad (PRIMED)**

- Collaborated on roadmap for COVID-19 immunization in Canada

2020 (Oct-Nov)

**Reviewer Service****Academic Journals**

- *PlosONE* 2022
- *Canadian Journal of Public Health* 2022
- *Qualitative Research in Health – SS&M* 2022
- *BMC Public Health* 2021-2022
- *Journal of Communication in Healthcare* 2021-2022
- *Social Science and Medicine* 2019-2022
- *Vaccine* 2020
- *Sociology of Health and Illness* 2019
- *Health, Risk and Society* 2019
- *Critical Public Health* 2017-2018
- *Journal for the Scientific Study of Religion* 2017
- *Critical Research on Religion* 2017
- *Health* 2015
- *Journal of Religion and Health* 2014
- *Sociological Forum* 2014
- *International Journal of Cultic Studies* 2014

**Textbooks**

- Nelson Publishing 2018

**Conference abstracts**

- Canadian Immunization Conference 2021

**Professional Memberships**

- Canadian Immunization Research Network 2019-present
- Canadian Association for Immunization Research and Evaluation 2021-present
- International Sociological Association 2017-2021
- Canadian Sociological Association 2010-present
- American Sociological Association 2018
- European Sociological Association 2015-2016