Jude Delparte

Following the completion of studies in neuroscience and biology, I spent fourteen years researching secondary complications following spinal cord injury.

judedelparte.com · linkedin.com/in/jude-delparte-92554021 · github.com/fakeneuron · orcid.org/0000-0002-4541-7534 · scholar.google.com/citations?user=aUHWQzUAAAAJ

Open to: Clinical research coordinator and associate roles, AI product and software roles, and work that brings neurotech and AI into clinical research. Toronto, hybrid or remote.

Languages: English (native) and French (fluent).

Currently: I build AI-assisted tools at fakeneuron, and I am looking to return to clinical research.

Profile

In recent years, I have independently studied coding (Python, JavaScript, SQL) and finance (Forex, DeFi, equities, bonds, etc.). In 2025, I started exploring the use of agents to develop some of the apps that I had been envisioning during my studies. The complexity of some of the apps required a disciplined approach unsuited to basic vibe coding, and this resulted in the evolution of Flaitron, an open source code planning system and context manager. A fleet of apps inspired by my experiences in neuroscience, spinal cord injury research, finance, and construction are currently in various states of development and release, with recent beta access to ADPpro.ca and bidviz.ca. Concurrently, fakeneuron.com was launched as the entity that represents the corpus of this work.

Experience

Founder, Developer 2025-05–

fakeneuron.com

- sciphoenix.com, free evidence-based guides that help people with spinal cord injury manage secondary complications and everyday challenges.

Clinical Research Associate, Spinal Cord Rehabilitation Program 2011–2022-01

Lyndhurst Centre, Toronto Rehab, University Health Network

- Helped develop and validate patient-reported outcome measures, including SCI-PROBE for neurogenic bowel and the SCI-PreSORS pressure-injury screen.
- Built the SCI-PreSORS screen by logistic regression on data from more than 800 patient charts.
- Site-team member and data analyst for the SCI Knowledge Mobilization Network, which used an implementation-science framework to put pressure-injury, pain, and bladder best practices into six Canadian rehabilitation hospitals.
- Ran study analyses in SPSS and SAS and summarized the results for posters, talks, and papers.
- Ran literature reviews, and co-wrote and edited manuscripts for peer-reviewed journals.
- Project-managed and edited Spinal Cord Essentials, patient and family education handouts by more than fifty staff writers, and built its multilingual website.
- Hired and supervised students, volunteers, and part-time staff.
- Drafted grants, study protocols, research ethics applications, and progress reports, and corresponded with the research ethics board.
- Designed and presented posters and talks at international conferences.
- Tracked grant budgets and reconciled monthly financials.

Statistics Tutor 2010

Self-employed

- Tutored one student through about ten sessions of Advanced Placement statistics.
- Set and graded assignments to track progress.

Clinical Research Coordinator, Spinal Cord Rehabilitation Program 2007–2011
Lyndhurst Centre, Toronto Rehab, University Health Network

- Coordinated several studies at once, from recruitment and consent to scheduling and data collection.
- Took medical histories, gave questionnaires, and managed data entry and participant follow-up.
- Applied Good Clinical Research Practice and Health Canada guidelines to study conduct.
- Designed and presented posters and talks at international conferences.
- Tracked grant budgets and reconciled monthly financials.
- Research coordinator on five funded grants from the Ontario Neurotrauma Foundation, the Spinal Cord Injury Solutions Network, and AFP Innovation Funds.

Job Coach 2006–2007
Placement Centre, Laurentian University

- Advised students on résumés and job interviews.
- Ran about ten career workshops in English and French, with about five students each, on résumés, cover letters, and interview questions.
- Coached students one-on-one when they came into the office.
- Wrote a student handbook, The University Student's Guide to Employment.

Supply Teacher 2006–2007
Sudbury Catholic District School Board

- Taught applied and academic courses in grades 9 to 12.
- Taught from the regular teacher's lesson plans and managed the class, and built a short lesson on the subject when no plan was left.
- Covered about a dozen assignments across five or six high schools.

Student Researcher, Behavioural Neuroscience 2002–2007
Laurentian University

- Designed and ran rat behaviour experiments with patterned and theta-burst magnetic fields, testing learning, analgesia, and seizures.
- Wrote weekly reports on new analyses and designs, and presented them to the lab's students, assistants, and researchers for critique.
- Monitored a human patient's EEG during the lab's magnetic-field treatments.
- Analyzed lab data with ANOVA, regression, and t-tests, and advised other students on which methods fit their data.
- M.Sc. thesis on magnetic-field correlates of sudden infant death syndrome, using cluster, factor, and discriminant analyses of 679 cases.
- B.Sc. thesis on patterned magnetic fields and rats' intake of glucose and glucose-morphine solutions.

Teaching Assistant 2002–2007
Department of Biology, Laurentian University

- Senior teaching assistant for the Brain and Behaviour labs, coached new teaching assistants on running the labs.
- Taught ten lab sections across fall and winter for Introductory Biology, and Anatomy and Physiology, and Brain and Behaviour, including revising some lab materials.

Site Representative / Site Supervisor 2025–
Primary Construction Incorporated

Labourer 2022–2023
RCT Renovation Collective

Home Renovation and Maintenance 2011–
Self-employed

Education

M.Sc. Biology 2005–2007
Laurentian University

B.Sc. Behavioural Neuroscience 1999–2004
Laurentian University

Thesis

Sudden Infant Deaths (SIDS) and Geomagnetic Activity: Is there a 'learned' component affected by weak physiologically patterned magnetic fields? 2007
Delparte JJ
M.Sc. thesis, Laurentian University. ISBN 978-0-494-31525-5.
Theses Canada: collectionscanada.gc.ca/obj/thesescanada/vol2/002/MR31525.PDF

Peer-reviewed publications

Differences in sensorimotor and functional recovery between the dominant and non-dominant upper extremity following cervical spinal cord injury. 2022
Bondi M, Kalsi-Ryan S, Delparte JJ, Burns AS
Spinal Cord
DOI: doi.org/10.1038/s41393-022-00782-1 PubMed: pubmed.ncbi.nlm.nih.gov/35273373

Development of the spinal cord injury pressure sore onset risk screening (SCI-PreSORS) instrument: a pressure injury risk decision tree for spinal cord injury rehabilitation. 2021
Delparte JJ, Flett HM, Scovil CY, Burns AS
Spinal Cord
DOI: doi.org/10.1038/s41393-020-0510-y PubMed: pubmed.ncbi.nlm.nih.gov/32694750

Development of a novel neurogenic bowel patient reported outcome measure: The Spinal Cord Injury Patient Reported Outcome Measure of Bowel Function & Evacuation (SCI-PROBE). 2020
Burns AS, Delparte JJ, Hitzig SL, Shephard J, Craven BC
Spinal Cord
DOI: doi.org/10.1038/s41393-020-0467-x PubMed: pubmed.ncbi.nlm.nih.gov/32393796

Determining Pressure Injury Risk on Admission to Inpatient Spinal Cord Injury Rehabilitation: A Comparison of the FIM, Spinal Cord Injury Pressure Ulcer Scale, and Braden Scale. 2019
Flett HM, Delparte JJ, Scovil CY, Higgins J, Laramée MT, Burns AS
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2019.04.004 PubMed: pubmed.ncbi.nlm.nih.gov/31054293

The Spinal Cord Injury Pressure Ulcer Scale (SCIPUS): An assessment of validity using Rasch analysis. 2019
Higgins J, Laramee MT, Delparte JJ, Scovil CY, Flett HM, Burns AS
Spinal Cord
DOI: doi.org/10.1038/s41393-019-0287-z PubMed: pubmed.ncbi.nlm.nih.gov/31053776

Implementation of Pressure Injury Prevention Best Practices Across 6 Canadian Rehabilitation Sites: Results from the Spinal Cord Injury Knowledge Mobilization Network. 2019
Scovil CY, Delparte JJ, Walia S, Flett HM, Guy SD, Wallace M, et al.
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2018.07.444 PubMed: pubmed.ncbi.nlm.nih.gov/30419231

Guiding framework for driver assessment using driving simulators. 2017
Campos JL, Bédard M, Classen S, Delparte JJ, Hebert DA, Hyde N, Law G, Naglie G, Yung S
Front. Psychol
DOI: doi.org/10.3389/fpsyg.2017.01428 PubMed: pubmed.ncbi.nlm.nih.gov/28878721

Phenomenological study of neurogenic bowel from the perspective of individuals living with spinal cord injury. 2015
Burns AS, St-Germain D, Connolly M, Delparte JJ, Guindon A, Hitzig SL, Craven BC
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2014.07.417 PubMed: pubmed.ncbi.nlm.nih.gov/25172370

Neurogenic bowel after spinal cord injury from the perspective of support providers: a phenomenological study. 2015
Burns AS, St-Germain D, Connolly M, Delparte JJ, Guindon A, Hitzig SL, Craven BC
PM R
DOI: doi.org/10.1016/j.pmrj.2014.09.020 PubMed: pubmed.ncbi.nlm.nih.gov/25305370

Psychometric properties of the spinal cord injury pressure ulcer scale (SCIPUS) for pressure ulcer risk assessment during inpatient rehabilitation. 2015
Delparte JJ, Scovil CY, Flett HM, Higgins J, Laramée MT, Burns AS
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2015.06.020 PubMed: pubmed.ncbi.nlm.nih.gov/26205694

The development of Spinal Cord Essentials: a handout-based patient and family education initiative for people with spinal cord injury. 2014
Delparte JJ, Chau BA, Mills S, Burns AS
Spinal Cord
DOI: doi.org/10.1038/sc.2014.22 PubMed: pubmed.ncbi.nlm.nih.gov/24637567

The application of implementation science for pressure ulcer prevention best practices in an inpatient spinal cord injury rehabilitation program. 2014
Scovil CY, Flett HM, McMillan LT, Delparte JJ, Leber DJ, Brown J, Burns AS, SCIKMN Team
J Spinal Cord Med
DOI: doi.org/10.1179/2045772314Y.0000000247 PubMed: pubmed.ncbi.nlm.nih.gov/25029674

Evaluation of an interdisciplinary program for chronic pain after spinal cord injury. 2013
Burns AS, Delparte JJ, Ballantyne EC, Boschen KA
PM&R
DOI: doi.org/10.1016/j.pmrj.2013.05.004 PubMed: pubmed.ncbi.nlm.nih.gov/23684779

Subjective experiences of men with and without spinal cord injury: tolerability of the juvent and WAVE whole body vibration plates. 2012
Hadi SC, Delparte JJ, Hitzig SL, Craven BC
PM&R
DOI: doi.org/10.1016/j.pmrj.2012.07.006 PubMed: pubmed.ncbi.nlm.nih.gov/22981004

The reproducibility and convergent validity of the walking index for spinal cord injury (WISCI) in chronic spinal cord injury. 2011
Burns AS, Delparte JJ, Patrick M, Marino R, Ditunno J
Neurorehabil Neural Repair
DOI: doi.org/10.1177/1545968310376756 PubMed: pubmed.ncbi.nlm.nih.gov/21239706

Sublesional osteoporosis prevention, detection, and treatment: A decision guide for rehabilitation clinicians treating patients with spinal cord injury. 2008
Craven BC, Giangregorio L, Robertson L, Delparte JJ, Ashe MC, Eng JJ
Crit Rev Phys Rehabil Med
DOI: doi.org/10.1615/critrevphysrehabilmed.v20.i4.10

Brief exposures to theta-burst magnetic fields impair the consolidation of food-induced conditioned place preference. 2007
Delparte JJ, Persinger MA
Int J Neurosci
DOI: doi.org/10.1080/00207450500535834 PubMed: pubmed.ncbi.nlm.nih.gov/17365115

Presentations

Psychometric properties of the Spinal Cord Injury Pressure Sore Onset Risk Screening (SCI-PreSORS), a novel instrument for pressure injury screening 2020
Delparte JJ, Wright J, McAnuff C, Burns AS, Flett HM, Scovil CY
14th ISPRM World Congress and 53rd Association of Academic Physiatrists Annual Meeting, Orlando FL, March 4–9, 2020. Poster.

Development of a patient reported outcome measure for neurogenic bowel dysfunction following spinal cord injury: achieving comprehensive coverage of International Classification of Functioning, Disability and Health domains 2019
Burns AS, Delparte JJ, Craven BC, Hitzig SL
58th ISCoS Annual Scientific Meeting, Nice, France, November 5–7, 2019. Poster.

Generalizability of a novel pressure injury risk screening instrument during inpatient spinal cord injury rehabilitation 2019
Delparte JJ, Askes H, Mouneimne M, Wolfe D, Charbonneau R, Ho C, Everaert D, Knox J, Burns AS
58th ISCoS Annual Scientific Meeting, Nice, France, November 5–7, 2019. Podium talk.

Improving pressure ulcer risk assessment during inpatient spinal cord injury rehabilitation 2016
Delparte JJ, Scovil CY, Flett HM, Burns AS
55th ISCoS Annual Scientific Meeting, Vienna, Sep 14–16, 2016. Poster.

Contributing factors to pressure ulcer incidence in inpatient spinal cord rehab: an in-depth evaluation and application of 2.5 years of quality improvement data 2016
Flett HM, Scovil CY, Domingo T, Delparte JJ, Burns AS
GTA Rehab Network Best Practices Day, Toronto, May 2, 2016. Podium talk.

Multi-pronged approach to pressure ulcer prevention and management in SCI rehabilitation: front-line to organizational-level interventions 2016
Flett HM, Scovil CY, Delparte JJ, Burns AS, Zee J
55th ISCoS Annual Scientific Meeting, Vienna, Sep 14–16, 2016. Podium talk.

Multi-pronged approach to pressure ulcer prevention and management in SCI rehabilitation: front-line to organizational-level interventions 2016
Flett HM, Scovil CY, Delparte JJ, Burns AS, Zee J
Praxis 2016: Bridging the Gaps, Vancouver, Apr 25–27, 2016. Poster.

Contributing factors to pressure ulcer incidence in inpatient SCI rehabilitation: using 2.5 years of implementation data to inform ongoing improvement in clinical practice 2016
Scovil CY, Flett HM, Domingo TM, Delparte JJ, Burns AS
55th ISCoS Annual Scientific Meeting, Vienna, Sep 14–16, 2016. Podium talk.

Multi-pronged approach to pressure ulcer prevention and management in spinal cord injury rehabilitation: front-line to organizational-level interventions 2016
Scovil CY, Flett HM, Delparte JJ, Domingo TM, Burns AS, Zee J
Health Quality Transformation, Toronto, Oct 20, 2016. Poster.

Examining the effects of passive standing and intermittent whole body vibration on serum sclerostin levels after chronic spinal cord injury 2015
Craven BC, Delparte JJ, Giangregorio L, Szeto M
4th ISCoS and ASIA Joint Scientific Meeting, Montreal, May 14–16, 2015. Podium talk.

The impact of best practice implementation for pressure ulcer prevention following spinal cord injury in an inpatient rehabilitation program 2015
Flett HM, Scovil CY, McMillan LT, Delparte JJ, Leber DJ, Brown J, Burns AS, SCI Knowledge Mobilization Network
GTA Rehab Network Best Practices Day, Toronto, May 1, 2015. Poster.

Predicting pressure ulcer risk during inpatient SCI rehabilitation: comparison of the FIM motor scale, SCIPUS and Braden risk assessment tools 2015
Flett HM, Scovil CY, Delparte JJ, Burns AS, Guy K
4th ISCoS and ASIA Joint Scientific Meeting, Montreal, May 14–16, 2015. Podium talk.

Pressure ulcer risk during inpatient spinal cord injury rehabilitation: using Rasch to determine the measurement properties of the SCIPUS 2015
Laramee MT, Higgins J, Burns AS, Delparte JJ, Joly C, Flett HM
4th ISCoS and ASIA Joint Scientific Meeting, Montreal, May 14–16, 2015. Podium talk.

Neurogenic bowel after spinal cord injury (SCI): the perceived importance of identified concerns to persons with SCI and health care professionals 2014
Burns AS, St-Germain D, Guindon A, Hitzig SL, Delparte JJ, Craven BC, Connolly M, Wolfe D
53rd ISCoS Annual Scientific Meeting, Maastricht, Sep 2–4, 2014. Podium talk.

Psychometric properties of the Spinal Cord Injury Pressure Ulcer Scale (SCIPUS) for pressure ulcer risk assessment 2014
Delparte JJ, Burns AS, Flett H, Scovil C, Leber D, Higgins J, Laramee MT, Patenaude C, Joly C, Casimir M
ASIA 41st Annual Meeting, San Antonio, May 14–17, 2014. Poster.
Published abstract: Topics in Spinal Cord Injury Rehabilitation. 2014;20(1):58–59.

Correlations between the Functional Independence Measure and pressure ulcer risk during inpatient spinal cord injury rehabilitation 2014
Flett HM, Delparte JJ, Scovil CY, Guy K, Burns AS
American Congress of Rehabilitation Medicine 91st Annual Conference, Toronto, Oct 7–11, 2014. Poster.
Published abstract: Archives of Physical Medicine and Rehabilitation. 2014;95(10):e81–82.

Rasch analysis of the Spinal Cord Injury Pressure Ulcer Scale (SCIPUS): evaluating validity in spinal cord injury rehabilitation inpatients 2014
Higgins J, Burns AS, Laramee MT, Delparte JJ, Patenaude C, Joly C, Casimir M, Flett H, Scovil C
ASIA 41st Annual Meeting, San Antonio, May 14–17, 2014. Podium talk.
Published abstract: Topics in Spinal Cord Injury Rehabilitation. 2014;20(1):3.

The use of implementation science for quality improvement: pressure ulcer prevention in spinal cord rehabilitation 2014
Scovil CY, Flett HM, McMillan LT, Delparte JJ, Leber DJ, Brown J, Burns AS, SCI Knowledge Mobilization Network
Health Quality Transformation 2014, Toronto, Nov 20, 2014. Poster.

The impact of best practice implementation for pressure ulcer prevention following spinal cord injury in an inpatient rehabilitation program 2014
Scovil CY, Flett HM, McMillan LT, Delparte JJ, Leber DJ, Brown J, Burns AS, on behalf of the SCI Knowledge Mobilization Network
Toronto Rehab's 10th Annual Research Day, Toronto, Dec 1, 2014. Poster.

Best practice: the implementation and evaluation of a spinal cord injury specific risk assessment measure for the prevention of pressure ulcers 2013
Burns AS, Flett HM, Scovil CY, Delparte JJ, Leber DJ
Innovation Fund Showcase 2013: From Innovation to Practice, Toronto, Nov 28, 2013. Poster.

Neurogenic bowel from the perspective of support providers to individuals with spinal cord injury (SCI) 2013
Burns AS, St-Germain D, Guindon A, Hitzig S, Delparte JJ, Craven BC, Connolly M
ASIA 40th Annual Scientific Meeting, Chicago, May 5–8, 2013. Podium talk.
Published abstract: Topics in Spinal Cord Injury Rehabilitation. 2013;19(1):34.

Inter-rater reliability and concurrent validity of the SCIPUS during inpatient spinal cord injury rehabilitation 2013
Burns AS, Delparte JJ, Flett HM, Leber DJ, Scovil CY
52nd ISCoS Annual Scientific Meeting, Istanbul, Oct 27–30, 2013. Poster.
Best Poster Presentation — First Place

Adverse events during whole body vibration among men with paraplegia 2013
Szeto M, Delparte JJ, Giangregorio LM, Popovic MR, Craven BC
Current Concepts in Balance, Fitness and Mobility: Perspectives on Intensity in Rehabilitation, Toronto, Jan 25, 2013. Poster.

Spinal Cord Essentials: a customized patient education initiative for spinal cord injury 2012
Chau BA, Mills S, Delparte JJ, Burns AS
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster, presenter.

Development of a sham condition for a future whole body vibration intervention trial 2012
Craven BC, Rashidi A, Alizadeh-Meghrazi M, Szeto M, Delparte JJ, Masani K, Giangregorio LM, Popovic MR
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster.

Evaluation of patient and staff satisfaction following the implementation of Spinal Cord Essentials, an education initiative for patients with spinal cord injury 2012
Delparte JJ, Mills S, Burns AS
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster, presenter.

Patient and staff satisfaction following implementation of Spinal Cord Essentials: an education initiative for patients with spinal cord injury 2012
Delparte JJ, Mills S, Burns AS
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster, presenter.

A phenomenological analysis of neurogenic bowel dysfunction following spinal cord injury 2012
Guindon A, Hitzig SL, Connolly M, Delparte JJ, Craven BC, St-Germain D, Burns AS
5th National Spinal Cord Injury Conference, Toronto, Oct 19–20, 2012. Poster, presenter.
Published abstract: Journal of Spinal Cord Medicine. 2012;35(5):465.

A pilot study of an interdisciplinary program for chronic pain following SCI 2011
Burns AS, Boschen KA, Delparte JJ, Ballantyne EC
Pain Management across the Continuum: Bridging the Gap from Acute Care to Rehabilitation and into the Community, Toronto, Nov 18, 2011. Poster, presenter.

An acute bout of whole-body vibration does not reduce pulse wave velocity in individuals with SCI 2011
Leber B, Miyatani M, Delparte JJ, Moore C, Szeto S, Craven BC, Ditor DS
FICCDAT, Toronto, Jun 5–8, 2011. Poster.

A comprehensive, multimodal, integrated approach to patient and family education following spinal cord injury (SCI) 2011
Mills S, Burns AS, Delparte JJ, Chau BA, Shepherd J, Badger-Brown K, Wolfe D
50th ISCoS Annual Scientific Meeting, Washington DC, Jun 4–8, 2011. Poster, presenter.
Published abstract: Topics in Spinal Cord Injury Rehabilitation. 2011;16(1):115.

Facilitating independent management of spinal cord injury through inpatient rehabilitation 2011
Usher S, Burns AS, Delparte JJ, Chau BA
Thelma Cardwell Research Day, Toronto, Jun 22, 2011. Poster.

Results from a spinal cord injury-specific pain self-management project 2010
Boschen KA, Burns A, Bain P, Schultz T, Hu A, Dell'Erba C, Jenkins L, Ballantyne EC, Delparte JJ
ASIA 36th Annual Scientific Meeting, Nashville, May 26–28, 2010. Poster, presenter.
Best Poster
Published abstract: Journal of Spinal Cord Medicine. 2010;33(2):183–184.

Late-emerging effects of a chronic pain self-management pilot study for spinal cord injury 2010
Burns AS, Boschen KA, Delparte JJ, Hu A, Dell'Erba C, Jenkins L, et al
4th National Spinal Cord Injury Conference, Niagara Falls ON, Oct 28–30, 2010. Poster, presenter.

Development of a customized spinal cord injury client resource binder 2010
Burns AS, Chau BA, Delparte JJ, Mills S
4th National Spinal Cord Injury Conference, Niagara Falls ON, Oct 28–30, 2010. Poster, presenter.

The SCI-IMPACT team: a Quebec-Ontario partnership for building research capacity in spinal cord injury 2010

Craven BC, Courtois F, Mittmann N, Coté I, Burns AS, Ditor D, St-Germain D, Hitzig SL, Houghton P, Noreau L, SCI-IMPACT Team

4th National Spinal Cord Injury Conference, Niagara Falls ON, Oct 28–30, 2010. Poster.

SCI-IMPACT Team contribution; the printed author list names the team.

Usability of the modified WAVE versus Juvent whole body vibration platforms among men with SCI versus able bodied peers 2010

Craven BC, Delparte JJ, Hadi S, et al

ASIA 36th Annual Scientific Meeting, Nashville, May 26–28, 2010. Podium talk, presenter.

Published abstract: Journal of Spinal Cord Medicine. 2010;33(2):182–195.

Acute effects of passive standing and whole body vibration on arterial stiffness of the aorta 2010

Miyatani M, Totosy de Zepetnek J, Masani K, Delparte JJ, Popovic MR, Craven BC

Canadian Society for Exercise Physiology Annual General Meeting, Toronto, Nov 3–6, 2010. Poster.

Published abstract: Applied Physiology, Nutrition, and Metabolism. 2010;35:S73. CSEP abstract p. 87.

Grants

The Utility of Clinical Measures for Determining Driving Capability Following Spinal Cord Injury 2021

PVA Research Foundation, #3179

Named collaborator. Funding start 2021-01, 24 months.

Enhancing our understanding of the evolving impact of neurogenic bowel dysfunction from acute onset spinal cord injury to long-term community reintegration 2020

Physicians Services Incorporated (PSI), #20-30

Named collaborator. Funding start 2020-12, 36 months.

Validation of the SCI Pressure Sore Onset Risk Screening (SCI-PreSORS) Instrument 2017

Craig H. Neilsen Foundation, SCIRTS Pilot Research Grant #477002

Named collaborator. Funding start 2017-07, 36 months.

Development of a Patient Reported Outcome for Bowel Dysfunction following Spinal Cord Injury 2015

Rick Hansen Institute, Clinical Outcome Measures, #G2015-28

Collaborator / Research Coordinator. Funding start 2015-04, 24 months.

Spinal Cord Essentials Phase II: Progression, Promotion, and Evaluation 2014

Paralyzed Veterans of America Education Foundation, #726

Collaborator / Project Manager. Funding start 2014-06, 12 months.

Spinal Cord Injury Knowledge Mobilization Network (SCI KMN) 2014

Ontario Neurotrauma Foundation and Rick Hansen Institute

Research Associate. Funding start 2014-04, 36 months.

Best Practice: The Implementation and Evaluation of a Spinal Cord Injury Specific Risk Assessment Measure for the Prevention of Pressure Ulcers 2014

Ontario Ministry of Health and Long-Term Care, AFP Innovation Funds

Research Associate. Funding start 2014-03, 18 months.

The SCI IMPACT Research Team (2011) 2011

Ontario Neurotrauma Foundation, ONF-REPAR Partnership, #2011-ONF-REPAR2-885

Research Coordinator. Funding start 2011-07, 36 months.

Developing a Framework for Structured Follow-up Following Spinal Cord Injury 2011

Ontario Ministry of Health and Long-Term Care, AFP Innovation Funds

Research Coordinator. Funding start 2011-04, 12 months.

Understanding the Factors that Shape the Neurogenic Bowel Experience following Spinal Cord Injury: Identifying Important Themes from the Perspective of Stakeholders 2010
Ontario Neurotrauma Foundation, #2009-SCI-NEURBOW-802
Research Coordinator. Funding start 2010-02, 24 months.

The Development of an Individualized Spinal Cord Injury (SCI) Discharge Manual 2009
Ontario Ministry of Health and Long-Term Care, AFP Innovation Funds
Project Manager / Editor. Funding start 2009-05, 24 months.

Spinal Cord Injury Chronic Pain Self-Management: A Clinical Demonstration Study 2009
Spinal Cord Injury Solutions Network (SCISN)
Research Coordinator. Funding start 2009-01, 24 months.

The SCI IMPACT Research Team (2007) 2007
Ontario Neurotrauma Foundation, ONF-REPAR Rehabilitation Team Development & Research Program, #2008-ONF-REPAR-601
Research Coordinator. Funding start 2007-07, 24 months.

Certifications & training

WHMIS 2025-09
Worksite Safety
Workplace safety training.

Working at Heights 2025
Worksite Safety
One-day safety course.

Good Clinical Research Practice 2012–2022
University Health Network
Annual online research training.

Beyond Informed Consent 2018-12
University Health Network
Half-day course in research consent.

Courage to Lead 2014-10
University Health Network
Eight-week leadership program.

Summer Program in Clinical Epidemiology and Biostatistics 2014-08
University Health Network
Ten-week summer program.

WHMIS 2013 or 2014
University Health Network
Online workplace safety training.
Completed in August 2013 or August 2014; the exact year is uncertain.

Transportation of Dangerous Goods 2013-05
University Health Network
Online transport safety course.

Grant Writing Seminar 2013-05
University Health Network
Half-day seminar on preparing grants.

Certificate of Venipuncture 2013-04
University Health Network
Venipuncture recertification.

Good Clinical Practice 2012-12
University Health Network
Online clinical research course.
This 2012 course is also covered by the annual Good Clinical Research Practice training record.

Conducting a Systematic Review 2012-12
University Health Network
Half-day course in systematic review methods.

TRI Clinical Research Safety Training Certificate 2012-10
University Health Network
Half-day research safety course.

Basic and Advanced Microsoft Access Training Course 2008-10
University Health Network
Two-day database software course.

Standard First Aid & Basic Rescuer CPR 2008-06
City CPR
Two-day first aid and CPR course.

Basic and Advanced Venipuncture Techniques 2008-05
Michener Institute
Two-day course in blood collection techniques.

Prevention & Management of Aggressive Behaviour 2007-11
Centre for Addiction and Mental Health
Three-day training in managing aggressive behaviour.

Skills

Statistical analysis
Descriptive statistics, t-tests, Analysis of variance (ANOVA), Analysis of covariance (ANCOVA), Multivariate analysis of covariance, Pearson correlation, Spearman correlation, Chi-square tests, Linear regression, Multiple regression, Logistic regression, Factor analysis, Sensitivity and specificity, Discriminant analysis

Additional statistical methods
Cluster analysis, Canonical correlation

Data tools
SPSS, SAS, SAS Enterprise Guide, Excel, Microsoft Access, Study database design, Database management

Clinical measurements
Venipuncture, Blood sample processing, Electroencephalography (EEG), Electromyography (EMG), Pulse wave velocity, H-reflex recording, Multichannel audio recording, Clinical chart abstraction, Questionnaire administration

Animal behavioural methods
Contextual fear conditioning, Morris water maze, Conditioned taste aversion, Conditioned place preference, Thermal analgesia testing, Automated operant maze, Lithium-pilocarpine seizure model

Histology
Organ dissection, Tissue fixation, Embedding and sectioning, Mounting and staining, Cell counting

Evidence and surveys
Ovid literature searches, MEDLINE, CINAHL, PsycINFO, GRADE evidence assessment, SurveyMonkey, FluidSurveys, EndNote

Scheduling tools
Doodle

Office and publishing
PowerPoint

Software development
WordPress