

Curriculum Vitae

Jodi D. Edwards, PhD

Scientist and Director
Brain and Heart Nexus Research Program
Ottawa Heart Institute
Assistant Professor
School of Epidemiology and Public Health
University of Ottawa
Fellow, Institute for Clinical Evaluative Sciences
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EDUCATION AND APPOINTMENTS

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|--|---|-----------|
| Assistant Professor | Epidemiology | 2018 |
| School of Epidemiology and Public Health, University of Ottawa | | |
| Scientist and Director | Brain and Heart Nexus Research Program | 2017 |
| University of Ottawa Heart Institute | | |
| Postdoctoral Fellow | Cardiovascular Determinants of Vascular Dementia | 2014-2017 |
| Heart and Stroke Foundation Canadian Partnership for Stroke Recovery,
Sunnybrook Research Institute, Toronto, ON
Advisor: Sandra E. Black, O.C., O.Ont., MD, FRCP(C) | | |
| Doctor of Philosophy | Novel Neurophysiological Markers of Transient Ischemic Attack | 2014 |
| School of Population and Public Health, University of British Columbia, Vancouver, BC
Advisor: Mieke Koehoorn, PhD | | |
| Master of Arts | Tracking Real-Time Semantic Processing | 2003 |
| Department of Linguistics, University of Calgary, Calgary, AB
Advisor: Craig Chambers, PhD | | |
| Bachelor of Arts
(First Class Honours) | Neural Correlates of Phonological Processing | 2001 |
| Department of Linguistics, University of Calgary, Calgary, AB
Advisor: Martha McGinnis, PhD | | |

ACADEMIC AWARDS AND DISTINCTIONS

Award	Scope	Duration	Value (per annum)
Best Rapid Fire Oral Presentation Canadian Women's Heart Health Summit	Conference	2018	\$250
Post-Doctoral Funding			
Canadian Partnership for Stroke Recovery Post-Doctoral Fellowship	National	2016-2017	\$50,000
Heart and Stroke Foundation of Canada (HSF) <i>Focus on Stroke</i> Fellowship	National	2014-2016	\$41,500
Graduate Funding			
Canadian Institutes of Health Research (CIHR) Doctoral Research Award	National	2009-2012	\$35,000
CIHR Institute of Neurosciences, Mental Health, and Addiction Brain Star Award	National	2011	\$1,500
UBC Four-Year Doctoral Scholarship	Institutional	2010-2013	\$18,200
PEO International Scholar Award	International	2010-2011	\$15,000
Michael Smith Foundation for Health Research Doctoral Scholarship	Provincial	2008-2011	\$22,500
16 th Annual CUNY Conference Student Presentation Award	Institutional	2003	\$500
Natural Sciences and Engineering Research Council of Canada (NSERC) Masters Scholarship	National	2001-2003	\$17,500
Alberta Heritage Foundation for Medical Research Summer Studentship	Provincial	2001	\$7,500
Alberta Heritage Foundation for Medical Research Summer Studentship	Provincial	2000	\$7,500
Louise McKinney Memorial Scholarship	Institutional	2000	\$1,500
Ruth and Sam Prager Award	Institutional	1999	\$600
Undergraduate Merit Award	Institutional	1998	\$1,000
Alexander Rutherford Provincial Scholarship	Provincial	1997	\$1,500
Distinctions			
Dean's List, University of Calgary	Institutional	1999-2001	--

RESEARCH SUPPORT

<i>Competition</i>	<i>Duration</i>	<i>Value</i>
<p>1. <i>Weston Brain Institute</i></p> <p><u>Title:</u> The Role of Fibrinogen and Blood Brain Barrier Dysfunction in Cognitive Decline and Incident Dementia</p>	<p>Under Review 2019-2022</p>	<p>\$249,489</p>
<p><u>Investigators:</u> Edwards JD (PI), Hachinski V, Skoog I, del Zoppo G, Whitehead S</p>		
<p>2. <i>Canadian Cardiovascular Society: ECA3 Grant</i></p> <p><u>Title:</u> Do hypertensive disorders of pregnancy increase the risk of incident atrial fibrillation?</p>	<p>Awarded* 2019-2022</p>	<p>\$148,242</p>
<p><u>Investigators:</u> Edwards JD (PI), Coutinho T (Co-PI), Birnie D, Wells G, Johnston A.</p>		
<p>*Top-Ranked Application</p>		
<p>3. <i>University of Ottawa Heart Institute: Oracle Pilot Grant</i></p> <p><u>Title:</u> CardiacDOC: Feasibility and validation of a unified screening tool for Depression, Obstructive sleep apnea and Cognition (DOC) in cardiac clinics</p>	<p>Awarded 2019-2022</p>	<p>\$50,000</p>
<p><u>Investigators:</u> Edwards JD (PI), Swartz R (Co-PI), Mielniczuk L, Birnie D, Le May M, Tulloch H.</p>		
<p>4. <i>Heart and Stroke Foundation of Canada: Grant-In Aid</i></p> <p><u>Title:</u> Adherence to Risk Reduction after Stroke/TIA: The Role of Cognitive Impairment and Depression</p>	<p>Awarded 2018-2021</p>	<p>\$465,000</p>
<p><u>Investigators:</u> Swartz R (PI), Austin P, Bronskill S, Casaubon L, Dowlatshahi D, Edwards JD, Hassan A, Herrmann N, Kapral M, Lanctot K, Mandzia J, Pere Y, Sahlas D, Yu A, Selchen D</p>		
<p>5. <i>Canadian Stroke Trials for Optimized Results: Collaborative Grant</i></p> <p><u>Title:</u> Canadian Platform for Trials in Non-Invasive Brain Stimulation (CanStim)</p>	<p>Awarded 2017-2018</p>	<p>\$31,500</p>
<p><u>Investigators:</u> Edwards JD (PI), Thiel A (Nominated PI), for the CanStim Investigative Team</p>		
<p>6. <i>Canadian Stroke Prevention Intervention Network: Strategic Grant</i></p>	<p>Awarded 2016-2017</p>	<p>\$50,000</p>

Title: Novel Cardiac Risk Factors and Stroke Risk Prediction

Investigators: **Edwards JD** (PI), Gladstone D (Nominated PI)

7. *Canadian Partnership for Stroke Recovery: Catalyst Grant*

Awarded 2016-2017 \$50,000

Title: Addressing comorbidities to improve independence after stroke in Ontario

Investigators: Swardfager W (PI), **Edwards JD**, MacIntosh B, Swartz R, Herrmann N, Kapral M

8. *Canadian Partnership for Stroke Recovery: Catalyst Grant*

Awarded 2016-2017 \$50,000

Title: Addressing comorbidities to improve independence after stroke in Ontario

Investigators: Swardfager W (PI), **Edwards JD**, MacIntosh B, Swartz R, Herrmann N, Kapral M

9. *Heart and Stroke Foundation: Grant-In-Aid*

Awarded 2016-2019 \$269,818

Title: Towards a personalized approach to stroke recovery with transcranial direct current stimulation

Investigators: Chen J (PI), Levin M (Co-PI), **Edwards JD**, McEwen S, Chen R, Schlaug G

10. *Canadian Institutes for Health Research: Operating Grant*

Awarded 2015-2019 \$919,404

Title: COhort to illuminate Neurodegeneration, GENetics, Imaging Associations and Leukoaraiosis

Investigators: Black SE (PI), **Edwards JD**, Kiss A, Keith J, Masellis M, McIntosh B, Ramirez J, Swartz R

11. *Canadian Institutes for Health Research: Catalyst Grant*

Awarded 2013-2015 \$100,000

Title: Differences in cognitive and neuroimaging outcomes in elderly adults on ACEIs and ARBs

Investigators: Black SE (PI), Ramirez J, Lanctot K, Kiss A, Strothers S, Nestor S, **Edwards JD**

12. *Canadian Institutes for Health Research: Operating Grant*

Awarded 2011-2014 \$387,801

Title: Duration of changes in intracortical excitability and diffusion abnormalities after TIA

Investigators: Boyd LA (PI), **Edwards JD**, Benavente OR, MacKay A, Meran M, Rauscher A

13. *Canadian Institutes for Health Research: Operating Grant*

Awarded 2010-2013 \$315,294

Title: Sensory contributions to hemiparetic motor deficits after stroke

Investigators: Boyd LA (PI), **Edwards JD**, Meehan S, Handy T

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS: N=37; 2018 Citations: 562; 2018 H-index=10*

*First-authored position denotes primary contribution; last-authored position denotes supervisory contribution

In Preparation (3)

1. **Edwards JD**, Gladstone DJ, Ramirez J, Callahan BL, Berezuk C, Black SE, for the Alzheimer's Disease Neuroimaging Initiative. The relationship between atrial fibrillation, brain atrophy and cognitive function impairment in elderly adults with mild cognitive impairment and dementia.
2. **Edwards JD**, Scott C, Ganda A, Black SE, MD1-4 for the MITNEC Investigators and Executive Committee. Positron Emission Tomography Imaging of Beta-Amyloid and Hyperphosphorylated Tau in Patients with Vascular Cognitive Impairment with Significant White Matter Hyperintensities: Rationale and Protocol for the Medical Imaging Trial Network of Canada (MITNEC) C6 Study.

Under Review/Under Revision (3)

1. **Edwards JD**, Healey J, Fang J, Yip K, Gladstone DJ. Atrial cardiopathy in the absence of atrial fibrillation increases risk of ischemic stroke, incident AF, and mortality and improves stroke risk prediction. *Circulation* (under review).
2. **Edwards JD**, Micieli A, Yu, A, Fang J, Gladstone DJ. Sex differences in the incidence and outcomes of newly diagnosed atrial fibrillation-related stroke. *Stroke* (under review).
3. **Edwards JD**, Ferris JK, Gao F, Honjo K, Boyd LA. Associations between diffusion-weighted lesions and cortical excitability after transient ischemic attack. *Cerebral Cortex* (under review).
4. **Edwards JD**, Black SE, Boe S, Boyd L, Chaves A, Chen R, Dukelow S, Fung J, Kirton A, Meltzer J, Moussavi Z, Neva J, Paquette C, Ploughman M, Pooyania S, Rajji T, Roig-Pull M, Tremblay F, Thiel A. Canadian Platform for Trials in Non-Invasive Brain Stimulation (CanStim) Consensus Recommendations for the use of Repetitive Transcranial Magnetic Stimulation in Stroke Rehabilitation Trials for Upper Extremity Motor Recovery. *Neurorehabilitation and Neural Repair* (under review).

Published/In Press (31)

1. **Edwards JD**, Kapral MK, Lindsay MP, Fang J, Swartz RH. Increased Long-Term Risk of Mortality and Morbidity in Young Clinically Stable Stroke and Transient Ischemic Attack Patients. *Journal of the American Heart Association*. 2019 Jan 8;8(1):e010370
2. Law M, Dhillon S, Herrmann N, Friesen F, Dey AK, Li A, Ayala AP, Lenton E, **Edwards JD**, Swardfager W. Rates of screening for breast, colorectal and cervical cancers in older people with cognitive impairment or dementia: A meta-analysis. *Gerontol Geriatric Med*. 2018 Sep18;4: 2333721418799446.

3. Swardfager W, Cogo-Moreira H, Masellis M, Ramirez JE, Herrmann N, **Edwards JD**, Saleem M, Chan P, Yu D, Nestor SM, Scott CJM, Holmes M, Sahlas DJ, Kiss A, Oh PI, Strother S, Gao F, Stephanovic B, Keith J, Symons, Caldwell C, Swartz RH, Lanctôt KL, Stuss D, Black SE. (2018). The effect of white matter hyperintensities on verbal memory: Mediation by temporal lobe atrophy. *Neurology*. Feb 20;90(8):e673-e682.
4. **Edwards JD**, Kapoor A, Linkewich B, Swartz R. Return to work after young stroke: A systematic review. (2018). *International Journal of Stroke*. Apr;13(3):243-256.
5. MacIntosh BJ, **Edwards JD**, Kang M, Cogo-Moreira H, Chen J, Mochizuki G, Herrman N, McIlroy WE, Swardfager W. (2017). Fatigue and depressive symptoms post stroke are differentially related to mobility and cognitive outcomes. *Frontiers Aging Neuroscience*. Oct 31;9:343.
6. Ferris JK, **Edwards JD**, MA JA, Boyd LA. (2017). Changes to white matter microstructure in transient ischemic attack: a longitudinal diffusion tensor imaging study. *Human Brain Mapping*. Nov;38(11):5795-5803.
7. **Edwards JD**, Ramirez J, Callahan BL, Berezuk C, Lanctot K, Swardfager W, Strother S, Kiss A, Nestor S, Black SE. (2017). Antihypertensive treatment is associated with imaging markers of neurodegeneration and cognition: A propensity-weighted cohort analysis. *Journal of Alzheimer's Disease*. 59(3):1113-1122.
8. **Edwards JD**, Kapral MK, Fan, J. Swartz, R. (2017) High long-term morbidity and mortality in stable patients without early complications after stroke or transient ischemic attack. *CMAJ*. Jul 24;189(29):E954-E961.
9. Smith EE, Cieslak A, Barber P, Chen J, Chen Y-W, Donnini I, **Edwards JD**, Elbayoumi H, Frayne R, Field TS, Hagedus J, Hanganu V, Ismail Z, Kanji J, Nakajima M, Noor R, Peca S, Sahlas D, Sharma M, Sposato L, Swartz RH, Zerna C, Black SE, Hachinski V. (2017). Therapeutic strategies and drug development for vascular cognitive impairment. *Journal of the American Heart Association*. May 5;6(5).
10. **Edwards JD** (2017). The importance of identifying early changes in cardiac structure and function for the prevention of cognitive impairment and dementia. *Journal of Alzheimer's Disease*. 58(1):285-288.
11. Roseborough A, Ramirez J, Black SE, **Edwards JD**. (2017). Associations between beta-amyloid and white matter hyperintensities: A systematic review. *Alzheimer's and Dementia*. Mar 16. pii: S1552-5260(17)30087-0.
12. **Edwards JD**, Kapral MK, Lindsay MP, Fang J, Swartz RH. (2017) Temporal trends in mortality and morbidity in patients with no early complications after stroke and transient ischemic attack. *Journal of Stroke and Cerebrovascular Diseases*. Jul;26(7):1641-1645.
13. Berezuk C, Zakzanis KK, Ramirez J, Ruocco AC, **Edwards JD**, Callahan BL, Black SE. (2017). On the Nature of 'Functional Reserve' and Sex Differences in Mild Cognitive Impairment. *Journal of Alzheimer's Disease*. 58(2):425-434.

14. **Edwards JD**, Koehoorn M, Boyd LA, Sobolev B, Levy AR. (2017). Comparing algorithms for the identification of transient ischemic attack cases in physician billing administrative data: A population-based diagnostic accuracy study. *Canadian Journal of Neurological Sciences*. Jul;44(4):397-403.
15. **Edwards JD**, Kapral MK, Fan, J, Saposnik G, Gladstone, DJ. (2016). Underutilization of Ambulatory ECG Monitoring After Stroke and Transient Ischemic Attack. Missed Opportunities for Atrial Fibrillation Detection. *Stroke*. 47(8):1982-9.
16. Ng VT, Bayoumi AM, Fang J, Burton KR, Stampelcoski M, **Edwards JD**, Kapral MK. (2016). Temporal Trends in the Use of Neuro-Vascular Imaging Investigations after for Patients with Acute Stroke or Transient Ischemic Attack. *Medical Care*. 54(5):430-4.
17. **Edwards JD**, Ramirez J, Black SE. (2015). Unraveling the potential co-contributions of cerebral small vessel vasculopathy to the pathogenesis of Alzheimer's Dementia. *Alzheimer's Research and Therapy*. 7:49.
18. Behl P, **Edwards JD**, Lanctot KL, Streiner DL, Kiss A, Black SE, Stuss DT. (2014). Treatment Effects in Multiple Cognitive Domains in Alzheimer's Disease: A Two-Year Cohort Study. *Alzheimer's Research and Therapy*. 18;6(4):48.
19. **Edwards JD**, Meehan SK, Linsdell MA, Borich MR, Anbarani K, Jones P, Ferris J, Boyd LA. (2013). Changes in intracortical excitability after chronic ischemic stroke: more than just altered intracortical inhibition. *Restorative Neurology and Neuroscience*. 1;31(6):693-705.
20. **Edwards JD**, Jacova C, Sephyer A, Pratt B, & Benavente OR. (2013). A Quantitative Systematic Review of Domain-Specific Cognitive Impairment in Lacunar Stroke. *Neurology*. Jan 15;80(3):315-22.
21. **Edwards JD**, Meehan SK, Levy AR, Teal PA, Linsdell MA, Boyd LA. (2011). Changes in intracortical excitability after transient ischemic attack are associated with ABCD² score. *Stroke*. 42(3):728-33.
22. **Edwards JD**, Koehoorn M, Boyd LA, Levy AR. (2010). Is Health-Related Quality of Life Improving after Stroke? A Comparison of Health Utilities Indices among Canadians with Stroke. *Stroke*. May;41(5):996-1000.
23. Kooistra L, van der Meere JJ, **Edwards JD**, Kaplan BJ, Crawford SG, Goodyear BG. (2010). Preliminary fMRI findings on the effects of event rate in ADHD. *J Neural Transmission*. 117(5):655-62.
24. Vidoni ED, McCarley JS, **Edwards JD**, Boyd LA. (2009). Manual and oculomotor performance develop contemporaneously but independently during continuous tracking. *Experimental Brain Research*. 195(4):611-20.
25. Boyd LA, **Edwards JD**, Siengsukon CS, Vidoni ED, Wessel BD, Linsdell MA. (2009). Motor sequence chunking is impaired by basal ganglia stroke. *Neurobiology of Learning and Memory*. 92: 35-44.
26. Pexman PM, Hargreaves IA, **Edwards JD**, Henry LC, Goodyear BG. (2007). The neural consequences of semantic richness: When more comes to mind, less activation is observed. *Psychological Science*. 18: 401-406.

27. Pexman PM, Hargreaves IA, **Edwards JD**, Henry LC, Goodyear, BG. (2007). Neural correlates of concreteness and ambiguity in semantic categorization. *Journal of Cognitive Neuroscience*. 19(8): 1407-1419.
28. Douglas EA, **Edwards JD**, Goodyear BG. (2006). Longitudinal functional MRI of motor and cognitive recovery following stroke: A review. *Current Medical Imaging Reviews*. 2, 105-116.
29. Crockford D, Goodyear BG, **Edwards JD**, Quickfall J, el-Guebaly N. (2005). Cue-induced brain activity in pathological gamblers. *Biological Psychiatry*. 58, 787-795.
30. **Edwards JD**, Pexman PM, Goodyear BG, Chambers CG. (2005). An fMRI Investigation of Strategies for Word Recognition. *Cognitive Brain Research*. 24(3), 648-662.
31. **Edwards JD**, Pexman PM, Hudson C. (2004). Exploring the dynamics of the visual word recognition system: Homophone effects in LDT and naming. *Journal of Language and Cognitive Processes*. 19(4), 503-532.

INVITED CHAPTERS (1)

1. **Edwards, JD** & Chambers CG. (2011). It's not what you said, it's how you said it: How modification conventions influence on-line referential interpretation. In E. Gibson & N. Pearlmuter (Eds.). *The processing and acquisition of reference* (pp. 219-237) MIT Press.

PHD THESIS (1)

1. The utilization and timing of neuroimaging and the role of neurophysiological techniques in the diagnostic evaluation of transient ischemic attack. University of British Columbia, PhD Thesis, 2013.

PEER-REVIEW ACTIVITIES

Journal of the American Heart Association	Neurobiology of Aging
Journal of Human Hypertension	Journal of Alzheimer's Disease
Clinical Cardiology	ISTAART Reviewer for Alzheimer's Association
International Journal of Stroke	International Conference 2016
Journal of the American Geriatrics Society	Review Consultant for the Support Programs to Advance
BMC Neurology	Research Capacity (SPARC), UBC
Alzheimer's Research and Therapy	

PRESENTATIONS

CONFERENCE SYMPOSIA (10)

1. **Edwards JD**, Fang J, Yip K, Healey J, Gladstone DJ. (2018). Left atrial abnormalities without known atrial fibrillation associated with higher risk of ischemic stroke, death, AF, and CHF: Results from the Ontario echo/Holter database project. *World Stroke Congress*, Montreal, Qc.

2. **Edwards JD**, Micieli A, Yu, A, Fang J, Gladstone DJ. (2018). Sex differences in the incidence and outcomes of newly diagnosed atrial fibrillation-related stroke. *Canadian Women's Heart Health Summit*, Ottawa, ON, Canada.
3. **Edwards JD**, M. Kapral, P. Lindsay, J. Fang, R. Swartz. (2018). Young stroke survivors with no early complications at high long-term risk of adverse outcomes. *World Stroke Congress*, Montreal, Qc.
4. **Edwards JD**, Gladstone D, Bhangu J, Ramirez J, Callahan B, Berezuk C, Black S. (2017). Predictors of Conversion to Dementia in Patients with Atrial Fibrillation with and without Cortical Infarcts. *Canadian Stroke Congress*, Calgary, Canada.
5. **Edwards JD**, Kapral MK, Lindsay MP, Fang J, Swartz RH. (2015). High Long-Term Risk of mortality and morbidity in clinically stable young patients after stroke and transient ischemic attack. *Canadian Stroke Congress*, Toronto, Canada.
6. **Edwards JD**, Levy AR, Boyd LA, Sobolev B, Koehoorn M. (2012). The impact of diagnostic imaging on recurrent stroke risk in transient ischemic attack: A population-based nested case-control study. *Canadian Stroke Congress*, Calgary, Canada.
7. **Edwards JD**, Boyd LA, Stinear C, Teal PA, Meehan SK, & Levy AR. (2009). Is transcranial magnetic stimulation a useful clinical adjunct for predicting stroke risk following transient ischemic attack? A prospective cohort study. *International Congress of Clinical Neurology and Epidemiology*, Munich, Germany.
8. **Edwards JD**, & Chambers CG. (2002). Codability difference in real-time sentence comprehension: Evidence from eye movement monitoring. *3rd Annual Mental Lexicon Conference*, Banff, Canada.
9. **Edwards JD**, & Pexman P. (2001). What can homophone effects tell us about the nature of orthographic representation in visual word recognition. *Northwest Cognition and Memory 3rd Annual Meeting*, Vancouver, Canada.
10. **Edwards JD**. (2001). The neural correlates of phonological processing: An examination of neuroimaging research. *Alberta Colloquia on Linguistics*, Banff, Canada.

INVITED PRESENTATIONS (6)

1. **Edwards JD**. Brain-Heart Interactions as Potential Mechanisms of Vascular Cognitive Impairment. The 9th International Conference of The International Society of Vascular Behavioural and Cognitive Disorders, Hong Kong Science Park, Hong Kong; 11/2018.
2. **Edwards JD**. The Power of Information: Using Data Linkages for Clinical and Population Health Research. University of Ottawa Heart Institute Clinical Staff Workshop, Ottawa, ON; 02/2018
3. **Edwards JD**. The Heart of The Matter: Markers of Early Cardiac Remodeling for Risk Assessment and Outcome Prediction in Stroke and Vascular Cognitive Impairment. Hurvitz Brain Sciences Grand Rounds. Sunnybrook Health Sciences Centre, Toronto, ON; 12/2017.
4. **Edwards JD**. Progress and Plans: Promising Interventions. Transcranial Magnetic Stimulation. The

Heart and Stroke Foundation Canadian Partnership for Stroke Recovery Advances in Stroke Recovery Research Meeting. Canadian Stroke Congress, Quebec City, CA; 09/2016.

5. **Edwards JD**. Novel techniques for assessing vascular risk in transient ischemic attack and Alzheimer's disease. The Hurvitz Brain Sciences Grand Rounds. Sunnybrook Health Sciences Centre, Toronto, CA; 04/2015.
6. **Edwards JD**. All things being unequal: Using propensity score analysis to address selection biases in observational studies. The Heart and Stroke Foundation Canadian Partnership for Stroke Recovery – Sunnybrook Rounds. Sunnybrook Health Sciences Centre, Toronto, CA; 01/2015.

CONFERENCE POSTERS (48 total: last 8 years presented)

1. **Edwards JD**, Thiel A, on behalf of the CanStim Investigators. (2019). Canadian Plat Canadian Platform for Trials in Non-Invasive Brain Stimulation (CanStim) Consensus Recommendations for Repetitive Transcranial Magnetic Stimulation in Upper Extremity Motor Stroke Rehabilitation Trials. European Stroke Organization Conference, Milan, Italy.
2. **Edwards JD**, Healey J, Fang J, Yip K, Mielniczuk L, Gladstone DJ. (2018). Increased Risk of Heart Failure Associated With Left Atrial Remodeling Without Known Atrial Fibrillation. American Heart Association Scientific Sessions, Chicago, USA.
3. **Edwards JD**, Kapoor A, Linkewich B, Swartz RH. (2017). Return to work after young stroke: A systematic review. *Canadian Stroke Congress*, Calgary, Canada.
4. Chen J, Schipani A, Lam H, Thiel A, **Edwards JD**. (2017). Does transcranial direct current stimulation with the cathode over contralesional motor cortex enhance stroke motor recovery of the upper limb? *American Society of Neuroradiology*, Long Beach, CA, USA.
5. **Edwards JD**, Ramirez J, Callahan B, Berezuk C, Gladstone D, Black SE, for the Alzheimer's Disease Neuroimaging Initiative. (2016). Atrial fibrillation is independently associated with brain atrophy and cognitive dysfunction. *Alzheimer's Association International Conference*, Toronto, Canada.
6. **Edwards JD**, Muir RT, Berezuk C, Ramirez J, Scott CJM, Gao F, Black SE. (2016). Regional relationships between dilated perivascular spaces, white matter hyperintensities and cognitive impairment. *Alzheimer's Association International Conference*, Toronto, Canada.
7. Cieslak A, Barber P, Black SE, Chen J, **Edwards JD**, Elbayoumi H, Frayne R, Field TS, Hachinski V, Hagedus, J, Hanganu V, Ismail Z, Kanji J, Nakajima M, Noor R, Peco S, Sposato L, Swartz R, Zerna C, Smith EE. (2016). Systematic review of RCT's of interventions for vascular cognitive impairment. *Alzheimer's Association International Conference*, Toronto, Canada.
8. Swardfager W, Cogo-Moreira H, Hermann N, Masellis M, Ramirez J, **Edwards JD**, Saleem M, Chan P, Yu D, Nestor SM, Sahlas DJ, Kiss A, Oh P, Strother S, Gao F, Stephanovic B, Keith J, Symons S, Caldwell C, Swartz RH, Lanctot KL, Stuss D, Black SE. (2016). White matter hyperintensities and verbal memory: An indirect relationship mediated by temporal lobe atrophy. *Alzheimer's Association International Conference*, Toronto, Canada.

9. Berezuk C, Zakzanis K, Ramirez J, **Edwards JD**, Callahan B, Black SE, for the Alzheimer's Disease Neuroimaging Initiative. (2016). Comparing functional disability of men and women with mild cognitive impairment from the Alzheimer's Disease Neuroimaging Initiative. *Alzheimer's Association International Conference*, Toronto, Canada.
10. Ganda A, Scott CJM, **Edwards JD**, Smith EE, Prato FS, Frayne R, Strother SC, Borrie M, Buck B, Burrell S, Caldwell C, Camicioli R, Casaubon LK, Chertkow H, Darvesh S, Dowlatshahi D, Gao F, Hsiung GYR, Keith J, Kiss A, LaForce R, Masellis M, McIntosh B, Mandzia J, Nestor S, Noseworthy M, Ramirez J, Sahlas DJ, Sossi V, Soucy J-P, Swardfager W, Swartz R, Tardif J-C, Black SE. (2015). Study Design for the Medical Imaging Trials Network of Canada (MITNEC) – Project C6 – Amyloid and Glucose PET Imaging in Alzheimer and Vascular Cognitive Impairment Patients with Significant White Matter Disease. *Canadian Conference on Dementia*, Ottawa, Canada.
11. **Edwards JD**, Ramirez J, Callahan BL, Berezuk C, Lanctot K, Swardfager W, Strother S, Kiss A, Nestor S, Black SE. (2015). Associations between Antihypertensive Treatment Class and Volumetric Biomarkers in the Alzheimer's Disease Neuroimaging Initiative. *Vas-Cog*, Tokyo, Japan.
12. **Edwards JD**, Kapral MK, Lindsay MP, Fang J, Swartz RH. (2015). Temporal Trends in Mortality and Morbidity in Patients with No Early Complications after Stroke and Transient Ischemic Attack. *Canadian Stroke Congress*, Toronto, Canada.
13. **Edwards JD**, Ramirez J, Callahan BL, Berezuk C, Lanctot K, Swardfager W, Strother S, Kiss A, Nestor S, Black SE. (2015). Associations between Antihypertensive Treatment Class and Volumetric Measures of Small Vessel Disease: A Propensity-Weighted Retrospective Cohort Study. *Canadian Stroke Congress*, Toronto, Canada.
14. **Edwards JD**, Ramirez J, Lanctôt, KL, Strother S, Kiss A, Nestor N, Black SE. (2015). Differences in cognitive and neuroimaging outcomes in elderly adults on angiotensin converting enzyme (ACE) inhibitors versus angiotensin receptive blockers (ARBs). *Rotman Conference*, Toronto, Canada.
15. Gladstone DJ, **Edwards JD**, Fang J, Dorian P, Hachinski V, Mamdani M, Laupacis A, Lindsay MP, Spring M, Saposnik G, Silver GL, Kapral MK, on behalf of the Investigators of the Registry of the Canadian Stroke Network. (2013). Major Underuse of Cardiac Rhythm Monitoring After Ischemic Stroke and TIA: Missed Opportunities for Detection and Treatment of Atrial Fibrillation. *Vascular Congress*, Montreal, Canada.
16. Borich MR, Dao E, **Edwards JD**, Meehan SK, Boyd LA. (2013). Evaluating the relationships between hand function with measures of brain structure and function in chronic stroke. *43rd Annual Meeting of the Society for Neuroscience*, San Diego, CA, USA.
17. **Edwards JD**, Borich MR, Meehan SK, Linsdell MA, Anbarani K, Boyd LA. (2011). Identifying thresholds for intracortical inhibition and facilitation: Development and validation of a methodology for the use of paired-pulse transcranial magnetic stimulation in chronic stroke. *41st Annual Meeting of the Society for Neuroscience*, Washington DC, USA.
18. **Edwards JD**, Sobolev B, Koehoorn M, Boyd LA, Levy AR. (2011). The impact of utilization and time to diagnostic imaging on recurrent stroke risk from 1992-2007 in individuals with transient ischemic attack: A population-based study. *2nd Canadian Stroke Congress*, Ottawa, Canada.

19. **Edwards JD**, Jacova C, Pratt B, & Benavente OR. (2011). Longitudinal neuropsychological assessment of cognitive status in individuals with symptomatic lacunar infarcts: A systematic review. *2nd Canadian Stroke Congress*, Ottawa, Canada.
20. **Edwards JD**, Meehan SK, Linsdell MA, Boyd LA. (2011). Intracortical excitability in clinical populations: A comparison of paired-pulse transcranial magnetic stimulation methodologies in healthy elderly adults and individuals with stroke. *14th European Congress on Clinical Neurophysiology*, Rome, Italy.
21. Boyd LA, Meehan SK, Brandhawa B, Dao E, **Edwards JD**, Linsdell MA. (2010). Dorsal premotor cortex supports motor learning after stroke: An rTMS study. *40th Annual Meeting of the Society for Neuroscience*, San Diego, USA.
22. Linsdell MA, **Edwards JD**, & Boyd LA. (2010). Effects on intracortical inhibition of continuous theta burst stimulation over the contralesional primary motor cortex after stroke. *40th Annual Meeting of the Society for Neuroscience*, San Diego, USA.
23. **Edwards JD**, Koehoorn M, Boyd LA, & Levy AR. (2010). Is health-related quality of life improving after stroke? A comparison of health utilities indices among Canadians with stroke. *Canadian Stroke Congress*, Quebec City, Canada.
24. **Edwards JD**, Meehan S, Levy AR, Teal PA, Linsdell MA, & Boyd LA. (2010). Asymmetries in intracortical excitability persist after transient ischemic attack and correlate with clinical predictors of stroke risk. *Canadian Stroke Congress*, Quebec City, Canada.
25. **Edwards JD**, Levy AR, Teal PA, Meehan SK, & Boyd LA. (2009). Does altered intracortical inhibition predict stroke occurrence following transient ischemic attack? A prospective cohort study. *39th Annual Meeting of the Society for Neuroscience Abstracts*, Chicago, USA.

TEACHING AND SUPERVISORY EXPERIENCE

Role	Topics	Level	Institution	Term(s)
Invited Lecturer PCL1100H	<ul style="list-style-type: none"> ▪ Epidemiology, Observational Study Design, Administrative Health Data ▪ Confounding and Bias ▪ Propensity Score Analysis ▪ Multivariate Regression 	Senior Graduate Seminar	University of Toronto	Summer 2015, 2016

Invited Lecturer PCL1101H	<ul style="list-style-type: none"> Multivariate Regression and Predictive Modeling 	Senior Graduate Seminar	University of Toronto	Summer 2015, 2016
Project Supervisor	<ul style="list-style-type: none"> Risk Associations Systematic Review Population incidence Risk assessment TIA Risk assessment TIA 	MSc Student (A. Roseborough) MSc Student (A. Kapoor) Medical Student (A. Micheli) MSc Student (P. Jones) MSc Student (J. Zabukovec)	Sunnybrook Hospital UBC	2015-2016 2015-2016 2014-2015 2012-2013 2011-2012
Laboratory Instructor	<ul style="list-style-type: none"> Psycholinguistics 	Senior Undergraduate	University of Calgary	2001-2002
Teaching Assistant	<ul style="list-style-type: none"> Psycholinguistics 	Senior Undergraduate	University of Calgary	2001-2002

LEADERSHIP AND MENTORING

Role(s)	Association	Term	Description of Activities
Chair (Clinical) and Mentor	Canadian Partnership for Stroke Recovery National Trainee Association	2013-2014	<ul style="list-style-type: none"> Spear-headed national mentoring program pairing graduate trainees engaged in cardiovascular research with senior mentors from institutions across Canada Organized National Trainee Workshop (SPiN Ottawa 2014), attended by ~40 trainees from across Canada, featuring hands-on lab demonstrations, expert guest speakers, a keynote dinner, and a student debate Implemented a competitive Trainee Exchange Award, enabling awardees to undergo short-term, specialized training at another Canadian institution Implemented a Trainee Profiling Program, highlighting achievements of the National Trainee Association members
Chair (Clinical)	Canadian Stroke Network National Trainee Association	2012-2013	<ul style="list-style-type: none"> Organized National Trainee Workshop (SPiN Montreal 2013), attended by ~40 trainees from across Canada, featuring hands-on laboratory demonstrations, expert guest speakers, and a networking dinner
Coordinator and Mentor	School of Population and Public Health Graduate Mentorship Program (UBC)	2010-2012	<ul style="list-style-type: none"> Coordinated a Graduate Student Mentorship Program and individually mentored 3 incoming students

RESEARCH AND POLICY EMPLOYMENT EXPERIENCE

Program Officer	Networks of Centres of Excellence of Canada Secretariat Government of Canada, Ottawa, ON	2017 (Jan-July)
Graduate Assistant	Brain Behaviour Laboratory Department of Physical Therapy, University of British Columbia, Vancouver, BC	2008-2011
Research Associate	Brain Imaging Group Douglas Hospital Research Centre, McGill University, Montreal, QC	2006-2007
Research Associate	Functional Imaging Research Group Seaman Family MR Research Centre, Hotchkiss Brain Institute, University of Calgary, Calgary, AB	2003-2006

CAREER INTERRUPTIONS

2014	Parental leave
2011	Parental leave

KNOWLEDGE TRANSLATION

Media Interviews

a. Related to 2018 HSF Stroke Report

1. CBC "Our Ottawa" Segment, June 9-11, 2018; July 21-23, 2018
2. CTV Ottawa Health News Segment, June 5, 2018
3. CBC Live Radio Interviews in Syndication (12 cities) across Canada, June 5, 2018

b. Related to Edwards et al. JAD 2017

1. CTV Toronto Health News Segment, August 1st, 2017

c. Related to Edwards et al. CMAJ 2017

1. CBC "The National", July 24th, 2017
<http://www.cbc.ca/player/play/1008115779852>
2. CBC Live Radio Interviews in Syndication (19 cities) across Canada, July 24th 2017:
<http://www.rcinet.ca/en/2017/07/25/stroke-survivors-risk-lasts-longer-than-was-thought-study/>

c. Related to Edwards et al. Stroke 2011

1. Global TV News Health Segment, January 27th 2011
2. CBC Vancouver Live Radio Segment, January 27th 2011
3. CBC Victoria Live Radio Segment, January 31st 2011

Online Media**a. Related to Edwards et al. CMAJ 2017**

1. CBC online: <http://www.cbc.ca/news/health/stroke-long-term-complications-1.4217132>
2. WebMD: <http://www.webmd.com/stroke/news/20170724/one-stroke-more-strokes-risk-remains-years-later#1>
3. Medical Express: <http://www.express.co.uk/life-style/health/832317/heart-attack-symptoms-increase-risk-stroke-survivors>
4. News Medical: <http://www.news-medical.net/news/20170724/Study-finds-increased-risk-of-death-heart-attack-in-people-who-survive-stroke-without-complications.aspx>
5. Times of Malta online: <https://www.timesofmalta.com/articles/view/20170724/health-fitness/risks-significantly-higher-for-stroke-victims-than-previously-thought.654027>
6. Health Day: <https://consumer.healthday.com/cardiovascular-health-information-20/heart-stroke-related-stroke-353/one-stroke-raises-risk-for-another-even-years-later-study-724832.html>

b. Related to Edwards et al. Stroke 2011

1. CBC News Headline, “Mini-strokes show brain damage in scans”: *The Canadian Press*, Friday January 28th 2011
2. Science Daily Headline, “Mini-strokes leave ‘hidden’ brain damage”, January 29th 2011

Print Media

1. Cover Story, “Brain damage caused during ‘mini-strokes’ could be long-lasting: B.C. researchers”, *The Vancouver Sun*: January 28th 2011
2. Feature Story, “Mini-strokes do lasting damage”, *The Calgary Herald*: January 28th 2011
3. Feature Story, “Take Note: Stroke Research”, *TREK UBC Alumni Magazine*: Issue 27, Summer 2010
4. Feature Story, “Two Studies Point Way for Stroke Research”, *UBC Reports*: Vol. 56, June 3, 2010

ACADEMIC AND VOLUNTEER SERVICE

Role(s)	Association	Term
Co-Chair	Canada-Chile Symposium on Translational Medicine and Artificial Intelligence	2019

Member	Canadian Women's Heart Health Alliance Health Policy and Services Working Group	2019
Co-Chair	7 th Annual International Ottawa Heart Conference	2019
Member, Expert Advisory Committee	Heart and Stroke Foundation Stroke Report	2018-2019
President	Sunnybrook Hospital Daycare Board	2015-2016
Executive Committee Member	Sunnybrook Hospital Daycare Board	2014-2015
Planning and Priorities Committee Member	Canadian Stroke Network	2013-2014
Basic Biomedical Working Group Member	Canadian Stroke Congress Planning Committee	2012-2013
Graduate Student Representative	Curriculum Development Committee, School of Population and Public Health, UBC	2008-2010
Youth Mentor	MS Infinity Program for Women in Science	2008-2010
Graduate Student Representative	Department of Linguistics, University of Calgary	2002
Editor	Calgary Working Papers in Linguistics, Department of Linguistics, University of Calgary	2001
Vice President of Academics	Linguistics Undergraduate Society, Department of Linguistics, University of Calgary	2000
Patient Care Volunteer	Neurological Rehabilitation Unit, Foothills Hospital, Calgary	1999-2000

PROFESSIONAL AFFILIATIONS

Association	Term
Canadian Cardiovascular Society	2018 - present
World Stroke Organization	2018-present
The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)	2014-2017
Canadian Society for Epidemiology and Biostatistics	2014-2017
Society for Vascular Cognitive Impairment	2013-2017
Society for Neuroscience	2009-2011
Canadian Society for Brain, Behaviour and Cognitive Science	2001-2003

TECHNICAL CERTIFICATIONS AND SKILLS

CERTIFICATIONS

Clinical Functional MRI Certification – Harvard Medical School, Continuing Education Program

EXPERIMENTAL TECHNICAL EXPERIENCE

Paired-Pulse and Repetitive Transcranial Magnetic Stimulation

Multi-Modal Structural and Functional Magnetic Resonance Imaging

Magnetic Resonance Spectroscopy

SOFTWARE AND PROGRAMMING EXPERIENCE

SAS Statistical Software (SAS Institute, Inc., Cary, USA)

SPSS Statistical Software (SPSS, Inc., Chicago, USA)

SPLUS Statistical Software (TIBCO Software, Inc., Palo Alto, USA)

R Studio Statistical Software (RStudio Inc., Boston, USA)

SQL Programming Language

Navicat Data Management Software for PostGres (PremiumSoft, Kowloon, Hong Kong)

LabChart Electromyography (EMG) Data Acquisition Software (AD Instruments, Colorado Springs, USA)

FSL Brain Imaging Processing Software (Analysis Group, FMRIB, Oxford, UK)