

# CURRICULUM VITAE

## Natalie Anne Phillips

**Citizenship:** Canadian

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## EMPLOYMENT AND ACADEMIC HISTORY

May, 2020–May 2025	Concordia University Research Chair (CURC) in Sensory-Cognitive Health in Aging and Dementia (Tier 1)
June, 2010-	Professor, Department of Psychology, Concordia University, Montréal, Québec
September 2019 -	Associate Scientific Director, Canadian Consortium on Neurodegeneration in Aging (CCNA)
June, 2010-2011	Director of Clinical Training, Department of Psychology
June, 2008-2009	Concordia University, Montréal, Québec
June, 2001-2010	Associate Professor, Department of Psychology, Concordia University, Montréal, Québec
February, 1998 -	Principal Member, Centre for Research in Human Development, Concordia University
September, 2001 -	Fellow of the Science College, Concordia University, Montréal, Québec
June, 2006 -	Principal Member, Centre for Research on Language, Mind and Brain / Centre Research for Brain, Language, and Music <a href="https://crblm.ca/">https://crblm.ca/</a>
June, 2004-2005	Director, Applied Psychology Centre, Department of Psychology, Concordia University, Montréal, Québec
June, 1999-2002	
July, 1996- June, 2001	Assistant Professor, Department of Psychology, Concordia University, Montréal, Québec

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***Cross Appointments***

- January, 2020 - Adjunct Professor, McGill University Research Centre for Studies in Aging (MCSA)
- February, 2001 - Researcher, Bloomfield Centre for Research in Aging, Lady Davis Institute for Medical Research, Montréal, Québec
- July, 1996- Associate Member, Department of Neurology, Clinical Neuroscience, Jewish General Hospital, Montréal, Québec
- July, 1996- Senior Researcher, Lady Davis Institute for Medical Research, Montréal, Québec

**EDUCATION**

- 1990-1996 Doctor of Philosophy, Clinical Psychology (CPA/APA-accredited program) Dalhousie University, Halifax, Nova Scotia, B3H 4J1  
Thesis Title: Neuropsychological function in patients with peripheral vascular disease.  
Supervisor: Charles Mate-Kole, Ph.D.
- 1988-1990 Master of Science, Psychology Dalhousie University, Halifax, Nova Scotia, B3H 4J1  
Thesis Title: Neurophysiological correlates of encoding into episodic memory in young and old adults.  
Supervisor: Gail Eskes, Ph.D.
- 1983-1987 Honours Bachelor of Science, Psychology Dalhousie University, Halifax, Nova Scotia, B3H 4J1  
Honours Thesis: The effects of degraded stimuli and sentential constraint on the N400 response of the event-related potential.  
Supervisor: John Connolly, Ph.D.

**AWARDS**

- 2017 Concordia University Dean's Award for Excellence in Scholarship - Senior
- 2002 Concordia University Junior Research Fellow - \$5000
- 2000-2005 Canadian Institutes of Health Research (CIHR) Health Career Award - New Investigator  
 \$50,000 per annum

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## RESEARCH GRANTS

- 2020-2021 Investigators: Poline, J.B., Glatard, T., & Phillips, N.  
agency: Joint McConnell Brain Imaging Centre – Perform Centre Call for Multidisciplinary Research proposals  
project: Continuous testing of neuroimaging results across pipelines and datasets: application to hearing loss associations with brain structure  
amount awarded: \$12,500
- 2020-2021 Investigator: N.A. Phillips  
agency: Concordia University, OVRGS Spring 2020 Established Researcher Support Funding Opportunity  
project: Advances in geriatric tele-health assessment: Development of the Montreal Cognitive Assessment for telephone (T-MoCA) administration  
amount awarded: \$6500
- 2020-2021 Investigators: D. Titone, N.A. Phillips, B. Johns  
agency: Centre for Research on Brain, Language, and Music, Research Incubator Award, McGill University  
project: What is the Relation between Biological Sex, Bilingualism, and Cognitive Reserve over the Adult Lifespan?  
amount awarded: \$10,000
- 2020-2021 Investigators: Bethell, J., Andrew, M., McGilton, K., Morgan, D., O’Connell, M., Phillips, N., Walker, J., Wittich, W.  
agency: Canadian Institutes of Health Research, Catalyst Grant – Analysis of CLSA Data  
project: The association between loneliness and cognitive decline and the roles personality traits may play  
amount awarded: \$70,000
- 2020-2021 Investigators: P. Mick, Campos, J.L., Gan-Or, Z., N. Phillips, M.K. Pichora-Fuller, Wittich, W., Young, T.L.  
agency: Canadian Institutes of Health Research, CLSA Catalyst Grant  
project: Do genetic and social factors modify associations between sensory impairment and cognitive decline? An analysis of the Canadian Longitudinal Study on Aging.  
amount awarded: \$70,000
- 2020-2021 Investigators: P. Mick, M.K. Pichora-Fuller, N. Phillips, C. Jones.  
agency: University of Saskatchewan College of Medicine Research Award  
project: The association between glycosylated hemoglobin and incident hearing loss: An analysis of the Canadian Longitudinal Study on Aging  
amount awarded: \$28,250

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- 2019-2022 Investigators: S. Hebblethwaite, K. Li, A. Johnson, N. Phillips, K. Sawchuk  
agency: TELUS Health  
project: Enhancing AGENCY: Understanding the Potential for Older Adults' Use of Digital Health Technology  
amount awarded: \$300,000
- 2019-2024 Investigators: N. Phillips (P.I.), J. Campos, A. Chasteen, D. Guthrie, P. Mick, Pichora-Fuller, J.B. Orange, M. Savundranayagam & W. Wittich  
agency: Canadian Institutes of Health Research  
project: Canadian Consortium on Neurodegeneration in Aging (CCNA) - Team 17: Interventions at the Sensory and Cognitive Interface  
amount awarded: \$1,426,600
- Investigators: N. Phillips (P.I.)  
 Subproject: The relationship between sensory function, cognitive function, brain structure, and quality of life in COMPASS-ND participants  
amount awarded: \$1,426,600
- 2019-2023 Investigators: K. Li, L. Bherer, J Campos, J-P Gagné, N St. Onge, N Phillips, MK Pichora-Fuller, W. Wittich  
agency: Canadian Institutes of Health Research (CIHR)  
project: Training cognition to improve mobility in older adults with hearing loss: Moving from lab to life.  
amount awarded: \$451,352
- 2019-2024 Investigators: S. Belleville, P. Bellec, C. Bocti, F. Calon, T.T. Dang-Vu, S. Duchesne, P. Gaudreau, S. Gauthier, C. Hudon, M.J. Kergoat, N., Leclerc, N. Mechawar, & N.A. Phillips  
agency: Fonds de la recherche du Québec – Santé (FRQ-S), La recherche intersectorielle sur le vieillissement.  
project: Cohorte CIMA-Q: Suivi longitudinal, multicentrique, multifactoriel et intersectoriel des mécanismes, trajectoires et facteurs de protection et de vulnérabilité de la maladie d'Alzheimer  
amount awarded: \$1,498,378
- 2019 Investigators: E. de Villers-Sidani, D. Klein, N. A. Philips, and A. Zeitouni,  
agency: Centre for Research on Brain, Language, and Music, McGill University  
project: The link between hearing loss, auditory ability, and cognition in older individuals  
amount awarded: \$15,000
- 2018-2023 Investigators: N.A. Phillips  
agency: NSERC (Natural Sciences and Engineering Research Council of Canada)  
project: Speech processing under effortful listening conditions in a first and second language in younger and older bilinguals  
amount awarded: \$47,000/annum

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- 2018-2020 Investigators: W. Wittich (P.I), N. Phillips, J.A. Marinier, A. Johnson, E. Kehayia, J.P. Gagné, M. K. Pichora-Fuller, & C. Murphy  
agency: Fonds de la recherche du Québec – Santé (FRQ-S), Research on Age-related Macular Degeneration (AMD program)  
project: Words on the brain: Can reading rehabilitation for age-related macular degeneration improve cognitive functioning?  
amount awarded: \$254,000
- 2018 Investigators: N.A. Phillips, S. Baum, A. Grant.  
agency: Centre for Research on Brain, Language, and Music, Research Incubator Award, McGill University  
project: Electrophysiological correlates of auditory discourse processing in older adult bilinguals  
amount awarded: \$10,000
- 2018 Investigators: Marc Pell, Noemie Auclair-Oullet, and Natalie Phillips  
agency: Centre for Research on Brain, Language, and Music, McGill University  
project: Influence of lexical and prosodic cues in social interaction behavior in patients with Parkinson's Disease and its relation to cognitive functioning  
amount awarded: \$15,000
- 2017 Investigators: N.A. Phillips  
agency: Office of the VP, Research & Graduate Studies, Concordia University  
project: Planning Workshop for Edited Volume entitled: "Multi-system Aging: Interfaces among hearing, vision, communication and cognition in aging"  
amount awarded: \$2,500
- 2017 Investigators: N.A. Phillips, D. Klein, V. Penhune  
agency: Centre for Research on Brain, Language, and Music, McGill University  
project: Measures of cognitive reserve and brain reserve in multilingual persons with or at risk for dementia  
amount awarded: \$3,000
- 2017-2021 Investigators: S. Baum, V. Gracco, D. Klein, N.A. Phillips & D. Titone  
agency: Fonds de recherche Québec – société et culture, Soutien aux équipes de recherche  
project: Multilinguisme: les défis et les impacts cognitifs et socio-culturels (2018-SE-206856)  
amount awarded: \$316,000
- 2017-2018 Investigators: W. Wittich (P.I.), D. Guthrie, P. Mick, N.A. Phillips, M.K. Pichora-Fuller, & H. Hoffman  
agency: Canadian Institutes of Health Research: CLSA Catalyst Grant  
project: The interactions of sensory, cognitive, and social factors and their influence on the health and quality of life of older Canadians  
amount awarded: \$68,000

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- 2016-2021 Investigators: H. Chertkow (P.I.), D. B. Hogan, E. E. Smith, K. Rockwood, N.A. Phillips, R. A. Dixon, T. Y. L. Lui-Ambrose, I. Fortier, & S. Duchesne, et al.  
agency: Canadian Institutes of Health Research  
project: Broad and Deep Analyses in Neurodegeneration (BRAIN)  
amount awarded: \$4,750,000
- 2016 Investigators: N. Phillips, & W. Wittich  
agency: Réseau Québécoise de Recherche sur le Vieillissement (RQRV)- Aide à l'organisation de colloque et symposium (LEVIER)  
project: How to incorporate screening for cognitive, vision and falls risks into practice  
amount awarded: \$2,700
- 2016-2017 Investigators: W. Wittich (P.I.), D. Guthrie, & N. Phillips  
agency: Réseau Québécoise de Recherche sur le Vieillissement (RQRV)- Partnership Program  
project: Early detection of sensory impairment at front-line health services: A study to examine standardized assessments in older adults  
amount awarded: \$15,000 (plus \$7,500 partner funding from CRIR/Centre de réadaptation MAB-Mackay du CIUSSS du Centre-Ouest-de-l'Île-de-Montréal and \$ 7,500 partner funding from CRIR/Institut Nazareth et Louis-Braille du CISSS de la Montérégie-Centre)
- 2016-2017 Investigators: W. Wittich (P.I.), A. Johnson, JA. Marinier, K. Southall, N. Phillips, S. Fraser, N. Duponsel, N. Bergeron  
agency: FRQ-S: Recherches sur la dégénérescence maculaire liée à l'âge (Programme DMLA)  
project: A mixed-methods approach to characterize stereotype beliefs associated with assistive devices used in the rehabilitation of age-related macular degeneration  
amount awarded: \$50,000
- 2014-2019 Investigators: N. Phillips (P.I.), J. Campos, D. Guthrie, K. Hunter, P. Mick, B. Parke, K. Pichora-Fuller, J.B. Orange, M. Savundranayagam & W. Wittich  
agency: Canadian Institutes of Health Research  
project: Canadian Consortium on Neurodegeneration in Aging (CCNA) - Team 17: Interventions at the Sensory and Cognitive Interface  
amount awarded: \$745,772
- 2013-2017 Investigators: S. Baum, V. Gracco, D. Klein, N.A. Phillips & D. Titone  
agency: Fonds de recherche Québec – société et culture, Soutien aux équipes de recherche  
project: Multilinguisme: les défis et les impacts cognitifs et socio-culturels  
amount awarded: \$326,920

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- 2012-2015 Investigators: K. Li (P.I.), L. Bherer, J. Campos, J. Gagne, N. A. Phillips, K. Pichora-Fuller, N. St-Onge  
agency: Canadian Institutes of Health Research, Institute of Aging  
project: The impact of hearing impairment on mobility in older adults: Moving from lab to life  
amount awarded: \$307,977 in total
- 2012-2013 Investigators: N. A. Phillips, L. Bherer, T. Falk  
agency: Réseau Québécois de Recherche sur le Vieillissement (RQRV)- Axe Cognition Pilot Project  
project: Portable and Low-Cost Objective Assessment of Cognitive Fitness Interventions for Older Adults  
amount awarded: \$8,500
- 2012-2014 Investigators: N. A. Phillips  
agency: VPRGS Seed Funding Program – Individual Project, Concordia University  
project: Low-cost objective assessment of cognitive fitness interventions for older adults  
amount awarded: \$7,000
- 2012 Investigators: D. Titone, S. Baum, D. Klein, N. A. Phillips  
agency: Centre for Research in Brain, Language, and Music (CRBLM) Research Incubator Award  
project: The Montreal Multilingualism Project: Delineating the consequences of bilingualism in healthy younger adults for cognitive control, language processing, and their structural brain correlates  
amount awarded: \$15,000
- 2011-2016 Investigators: W. Bukowski (P.I.), E. Barker, A. Bernier, A. Bertone, T. Bouffard, K. Byers-Heinlein, R. DeMont, M. Dirks, K. Dunfield, M. Ellenbogen, J-P. Gagné, N. Hall, N. Howe, S. Kairouz, S. King, K. Li, S. Martin-Chang, L. Nadeau, H. Osana, V. Penhune, H. Petrakos, N. Phillips, D. Poulin-Dubois, H. Recchia, L. Serbin, S. Sirois, D. Stack, R. Tessier, N. Trudeau, M-H. Véronneau, C. Vezeau & C. Wrosch  
agency: VPRGS - Concordia University  
project: Centre de Recherche en Développement Humain / Centre for Research in Human Development  
amount awarded: \$70,000 per annum (total \$350,000)
- 2010-2015 Investigator: F. Karayanidis, B.U. Forstmann, R.K. Lenroot, A. Parsons, W. Mark, P.T. Michie, N.A. Phillips, E.J. Wagenmakers  
agency: Australian Research Council  
project: Cognitive flexibility from adolescence to senescence: variability associated with cognitive strategy and brain connectivity  
amount awarded: 2012-2013: \$144,000.00, 2014: \$99,000.00; Total \$387,000.00

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- 2010-2018 Investigator: N.A. Phillips  
agency: NSERC (Natural Sciences and Engineering Research Council of Canada)  
 Discovery Grant  
project: Executive control of language in young and older bilinguals  
amount awarded: \$42,000 per annum (operating)
- 2010-2012 Investigator(s): N.A. Phillips, E. Johns  
agency: Alzheimer Society of Canada  
project: "Executive Function and EEG Coherence in Mild Cognitive Impairment and Alzheimer Disease"  
amount awarded: ~ \$59,000 per annum (operating)
- 2009-2010 Investigator: N.A. Phillips  
agency: NSERC (Natural Sciences and Engineering Research Council of Canada)  
 Discovery Grant  
project: "Executive control of language in young and older bilinguals"  
amount awarded: \$20,000 per annum (operating)
- 2009-2010 Investigators: D. Klein, and N.A. Phillips (co-PIs)  
agency: G.W. Stairs Memorial Fund, McGill University  
project: "An investigation of word form and meaning in bilinguals"  
amount awarded: \$14,000
- 2009-2013 Investigator(s): N.A. Phillips, J.-P. Gagné  
agency: Canadian Institutes of Health Research  
project: "Perceptual and cognitive mechanisms of audio-visual speech perception in younger and older adults"  
amount awarded: Year 1: \$38,962, Year 2: \$79,749, Year 3: \$65,353, Year 4: \$56,644, Year 5: \$28,997
- 2009 Investigator: N.A. Phillips  
agency: Concordia University VPRGS Seed/Accelerator Funding Program  
project: "The impact of audio-visual speech processing on working memory"  
amount awarded: \$7000
- 2008 Investigator(s): N.A. Phillips, E. Johns, H. Chertkow, D. Lorrain  
agency: Réseau Québécois de Recherche sur le Vieillissement (RQRV)- Axe Cognition Pilot Project  
project: "Executive Function and EEG Coherence in Mild Cognitive Impairment and Alzheimer's Disease"  
amount awarded: \$5000
- 2007-2009 Investigator(s): N.A. Phillips, S. Baum, V. Taler  
agency: Alzheimer Society of Canada  
project: "Comprehension of phonetic and prosodic information with audio-visual and linguistic cues in Alzheimer's disease and mild cognitive impairment"  
amount awarded: Year 1: \$74,947; Year 2: \$70,563



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- 2008-2009 Investigator(s): L. Serbin (P.I.), plus all CRDH Members (Aboud, Bouffard, Bukowski, Burgos, Chamberland, Conway, DeMont, Des-Rivieres, Doyle, Ellenbogen, Etezadi, Hastings, Howe, Jacobs, Julien, Li, Penhune, Petrakos, Phillips, Poulin-Dubois, Pushkar, Ross, Sandberg, Scala, Schwartzman, Stack, Tamblyn, Tessier, Weinfeld, Wrosch, Zelazo  
agency: MDEIE (Ministere du Développement économique, de l'Innovation et de l'Exportation; Program: Appui du financement d'infrastructures de recherche  
project: CRDH: Facilitating multi-disciplinary studies across the lifespan  
amount awarded: \$ 233,865
- 2007-2008 Investigator(s): N.A. Phillips, J.-P. Gagné  
agency: Canadian Institutes of Health Research, Institute of Aging  
project: "Perceptual and cognitive mechanisms of audio-visual speech perception in younger and older adults  
amount awarded: \$ 74,646
- 2007-2012 Investigator(s): Dugas, M. J., Radomsky, A. S., Phillips, N. A., Bukowski, W. M., Turcotte, J., Savard, P., & Gaudet, A.  
agency: Canadian Institutes of Health Research  
project: Cognitive-behavioural treatment for generalized anxiety disorder: Impact of cognitive processing on short- and long-term outcomes  
amount awarded: \$250,205 in total
- 2007-2010 Investigator(s): Dugas, M. J., Koerner, N., Radomsky, A. S., & Phillips, N. A.  
agency: Canadian Institutes of Health Research  
project: Experimental manipulation of cognitive variables in generalized anxiety disorder: Impact on uncertainty processing and worry  
amount awarded: \$182,853
- 2007 Investigator(s): S. Baum, N.A. Phillips, V. Taler  
agency: Centre for Research in Language, Mind, and Brain, McGill University  
project: "Audio-visual and contextual enhancement in the comprehension of phonetic and prosodic in Alzheimer's disease and mild cognitive impairment"  
amount awarded: \$10,000
- 2006-2009 Investigator(s): N.A. Phillips, V. Dwivedi, S. Baum  
agency: Social Sciences and Humanities Research Council  
project: "An electrophysiological investigation of processing quantifiers in discourse"  
amount awarded: Year 1: \$ 44,827, Year 2: \$ 47,900, Year 3: \$ 47,900
- 2005-2006 Investigator(s): N.A. Phillips, D. Klein, F. Genesee, D. Titone  
agency: Centre for Research in Language, Mind, and Brain, McGill University  
project: "Language processing in young and old bilingual and monolingual adults"  
amount awarded: \$ 10,000

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- 2005-2006 Investigator(s): D. Titone, D. McFarland, C. Palmer, N.A. Phillips  
agency: Centre for Research in Language, Mind, and Brain, McGill University  
project: "The neural basis of conversational interaction"  
amount awarded: \$ 10,000
- 2005-2006 Investigator(s): N.A. Phillips (P.I.), co-investigator(s): J.-P. Gagné, D. Saumier  
agency: CIHR Pilot Projects Grants, Institute of Aging  
project: "Perceptual and cognitive mechanisms of audio-visual speech perception in aging"  
amount awarded: \$ 49,793
- 2004-2010 Investigator(s): L. Serbin (P.I.), including N.A. Phillips and 33 others  
agency: Fonds du Québec pour la recherche en société et culture - Regroupement Stratégiques (FQRSC)  
project: "CRDH - Centre for Research in Human Development"  
amount awarded: \$ 1,658,766
- 2004-2008 Investigator(s): D. Stack, L. Serbin, P. Hastings, A. Schwartzman, N.A. Phillips, D. Poulin-Dubois  
agency: Fonds du Québec pour la recherche en société et culture - Regroupement Stratégiques (FQRSC)  
project: "The development of emotional competence: Innovative methodologies and focused applications"  
amount awarded: \$ 320,710
- 2004-2009 Mentor, CIHR Strategic Research Training Program in Communication and Social Interaction in Healthy Aging (2004 - ); B.A. Schneider (P.I.), with P. Bennett, M. Daneman, J. Faubert, J.P. Gagné, H. Kunov, K. Li, K. Pichora-Fuller, N. Phillips, C. Scialfa, A. Sekuler, P. Spadafora
- 2004-2007 Investigator(s): M. Dugas, N.A. Phillips, A. Radomsky  
agency: CIHR  
project: "Intolerance of uncertainty and fear of anxiety in generalized anxiety disorder: Cognitive processing in nonclinical and clinical samples"  
amount awarded: \$ 52, 237 per annum (operating)
- 2004 Investigator(s): V. Dwivedi, S. Baum, N.A. Phillips, K. Steinhauer  
agency: Centre for Research in Language, Mind, and Brain, McGill University  
project: "Electrophysiological Studies of Discourse Comprehension"  
amount awarded: \$ 7500
- 2004 Investigator(s): V. Gracco, D. Saumier, N.A. Phillips, S. Baum  
agency: Centre for Research in Language, Mind, and Brain, McGill University  
project: "Event Related fMRI and Brain Potential Imaging of sentence comprehension and phonological priming"  
amount awarded: \$ 7500



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project: Semantic memory impairment in Alzheimer's disease and semantic dementia:  
Evidence from proactive interference  
amount awarded: \$ 7,000

2000-2005 Investigator: N.A. Phillips  
agency: Canadian Institutes of Health Research (CIHR) Health Career Award - New Investigator  
project: "Language and executive control in aging"  
amount awarded: Operating: \$50,000 per annum over 5 years

2000-2003 Investigator(s): M. Conway (P.I.), T.Y. Arbuckle, M. Dugas, N.A. Phillips, D. Pushkar, J. Steinberg  
agency: FCAR Équipes (Fonds pour la Formation de Chercheurs et l'Aide à la Recherche)  
project: "The maintenance of competence during adulthood: Issues relating to control"  
amount awarded: Operating: \$81,900 per annum over 3 years

2000 Investigator: N.A. Phillips  
agency: FCAR (Fonds pour la Formation de Chercheurs et l'Aide à la Recherche) Equipement  
project: "Software and amplifiers for an event-related brain potential lab"  
amount awarded: Equipment: \$49,457

2000 Investigator(s): S. Baum (P.I.), H. Chertkow, H. Cohen, M. Crago, F. Genesee, D. Ostry, M. Paradis, N. Phillips, N. Spada, L. White  
agency: Canada Foundation for Innovation - Innovation Fund  
project: "Montreal Network for the Study of Language, Mind and Brain"  
amount awarded: Infrastructure: \$ 1,736,687

1999-2003 Investigator(s): L. Serbin (P.I.), including N.A. Phillips and 21 others  
agency: Ministre de l'Éducation du Québec (FCAR)  
project: "CRDH - Centre for Research in Human Development"  
amount awarded: \$ 720,000 (operating); \$ 32,500 (equipment)

1999-2003 Investigator: N.A. Phillips  
agency: NSERC (Natural Sciences and Engineering Research Council of Canada)  
project: "The impact of working memory capacity and inhibition efficiency in language processing in young and old adults"  
amount awarded: \$13,650 per annum (operating); \$12,410 (equipment)

1998-2000 Investigator(s): H. Chertkow (P.I.), M. Beauregard, H. Bergman, S. Murtha, N. Phillips, R. Schondorf  
agency: MRC-PMAC (Medical Research Council of Canada - Pharmaceutical Manufacturers of Canada)  
project: "In-vivo markers for cholinergic drug response in Alzheimer's disease"  
amount awarded: Year 1: \$182,837, Year 2: \$162,687

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- 1997-2000 Investigator: N.A. Phillips  
agency: FCAR Nouveaux Chercheurs (Fonds pour la Formation de Chercheurs et l'Aide à la Recherche)  
project: "Testing the permanency of semantic memory using event-related brain potentials in subjects with and without semantic memory impairment"  
amount awarded: Operating: \$14,000 per annum over 3 years; Equipment: \$15,000
- 1997-2000 Investigator(s): T.Y. Arbuckle, M. Conway, N.A. Phillips, D. Pushkar, J. Steinberg  
agency: FCAR Équipes (Fonds pour la Formation de Chercheurs et l'Aide à la Recherche)  
project: "The maintenance of competence in the elderly"  
amount awarded: Operating: \$60,000 per annum over 3 years
- 1997 Investigator: N.A. Phillips  
agency: Alzheimer Society of Montréal  
project: "Psychological, electrophysiological, and structural measures of memory function in Alzheimer's disease";  
amount awarded: \$2500
- 1996-1999 Investigator: N.A. Phillips  
agency: Faculty Research Development Program, Concordia University  
project: "Event-related brain potential investigations of episodic and semantic memory in Alzheimer's Disease";  
Operating: \$17,000 per annum over 3 years; Equipment: \$15,000
- 1991-1992 agency: Scottish Rite Charitable Foundation of Canada  
project: "Neurophysiological and Neuropsychological Investigation of Alzheimer's Disease and Multi-Infarct Dementia";  
Operating: \$4000

## SCHOLARSHIPS

*Post-Doctoral*

- 1996 Alzheimer Society of Canada Post-Doctoral Award (declined) - Year 1: \$26,790, Year 2: \$28,650
- 1996 Fonds de la Recherche en Santé du Québec (FRSQ) Bourse Postdoctorat (declined) - \$21,800
- 1996 Social Sciences and Humanities Research Council (SSHRC) Post-Doctoral Award (declined) - \$32,000

*Doctoral and Pre-Doctoral*

- 1995 Department of Clinical Neurosciences Research Day, University of Calgary, Best Paper Presentation in Neuroscience - \$250
- 1992 The Phyllis Horton Memorial Student Bursary, Alzheimer's Society of Nova Scotia - \$500
- 1992-1993 Dalhousie University Graduate Fellowship - \$11,500
- 1991-1992 Natural Sciences and Engineering Research Council (NSERC) Post-Graduate Fellowship - \$16,700

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- 1990-1991 Natural Sciences and Engineering Research Council (NSERC) Post-Graduate Fellowship - \$15,600  
 1988-1990 Dalhousie University Graduate Fellowship - \$10,560  
 1989 Dalhousie University Graduate Travel Award - \$500  
 1983-1984 N.A.S. Bermuda Chapel Fund - \$1200

## Professional Licensing

Registration in the *Ordre des psychologues du Québec*; permit no. 09177-01

## CLINICAL EXPERIENCE

- 2007 - Consulting Clinical Neuropsychologist, Royal Bank Insurance  
 I provide independent neuropsychological assessment services for a variety of medico-legal and disability referrals, including clients with depression, anxiety, stroke and related vascular problems, tumour, etc.
- 2005 - Supervising Clinical Neuropsychologist, Applied Psychology Centre, Concordia University
- 2001 - Consulting research neuropsychologist to the Anna and Leo Goldfarb Memory Clinic, Sir Mortimer B. Davis-Jewish General Hospital.

### Pre-doctoral

- 1994-1995 *Clinical Psychology Pre-Doctoral Internship* (2000 hours). Department of Psychology, Foothills Hospital, 1403 - 29th Street N.W., Calgary, Alberta, T2N 2T9.  
*Clinical Neuropsychology Rotation* (1400 hours); Supervisor: Gregor Jason, D.Phil.  
*Addictions Assessment Rotation* (300 hours); Supervisor: Jean Addington, Ph.D.  
*Behavioural Medicine Rotation* (300 hours); Supervisor: Paul Taenzer, Ph.D.
- 1991 *Group Therapy Practicum* (50 hours); Supervisor: Nina Woulff, Ph.D. Atlantic Child Guidance Centre, Sackville Branch, Halifax, Nova Scotia.
- 1990-1991 *Cognitive/Behavioural Therapy Practicum* (350 hours); Supervisor: Michael Vallis, Ph.D. Department of Psychology, Camp Hill Medical Centre, Halifax, Nova Scotia.
- 1988 *Neuropsychology Practicum* (200 hours); Supervisor: Charles Mate-Kole, Ph.D. Department of Psychology, Camp Hill Medical Centre, Halifax, Nova Scotia.

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## PROFESSIONAL/SCIENTIFIC MEMBERSHIPS

Canadian Psychological Society  
 Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)  
 Society for Psychophysiological Research, since 1990  
 American Psychological Association, since 1994  
 Division 40 (Neuropsychology), since 1997  
 Division 20 (Adult Development and Aging) since 1999  
 International Neuropsychology Society, since 1993  
 FRQS Réseau Québécois de Recherche sur le Vieillissement (RQRV) - Axe Cognition, since 1997  
 Regroupement Provincial de Recherche en Imagerie Cérébrale, since 2003

## CONTRIBUTIONS TO PROFESSIONAL PRACTICE

- Member, Conference Organizing Committee for the Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS) 2021 Annual Conference, Montreal, June 2021
- Associate Scientific Director, Canadian Consortium on Neurodegeneration in Aging (CCNA), September 2019 -
- Member, Research Executive Committee, Canadian Consortium on Neurodegeneration in Aging (CCNA), 2018 –
- Associate Editor, *Psychophysiology* (2018 - )
- External Reviewer, Unit Review of the Department of Psychology, Dalhousie University, March 2018
- Committee Member, CIHR Biological and Clinical Aspects of Aging (BCA), (2018-)
- Women in Cognitive Science – Canada (WiCSC) Advisory Board Member, 2017-2022
- Governing Body member and Axis Leader (“Health and Wellbeing Across the Lifespan”) for Concordia University Research Centre engAGE, 2017-2019
- National leader for the Neuropsychology Working Group, Canadian Consortium on Neurodegeneration in Aging (CCNA), 2014 –
- Clinical Cohort Platform Working Group member, Canadian Consortium on Neurodegeneration in Aging (CCNA), 2014 –
- Member, NSERC Biological Systems and Functions Evaluation Group (1502), June 2014-2017.
- Member, CIHR Behavioural Sciences B (BSB) Committee (2013)
- Co-Director, FRSQ Réseau Québécois de Recherche sur le Vieillissement (RQRV)-Axe Cognition (05/2013--05/2017)
- Chair of the Quality of Life research review panel, *Alzheimer Society of Canada* (2013-2014).
- Member, Research Policy Committee, *Alzheimer Society of Canada* (2013-2014).
- Member of the Quality of Life research review panel, *Alzheimer Society of Canada* (2011-2014).

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- Member of the review committee for post-doctoral awards, Health Research Training A - Ph.D. *Canadian Institutes for Health Research (CIHR)* (2009-2012).
- CIHR Delegate for Concordia University (2004 - 2007)
- Associate Editor, *Psychophysiology* (2006 - 2009)
- Associate Editor, *Biological Psychology* (2003 - 2005)
- Member of the review committee for post-doctoral awards, *Fonds de la Recherche en Santé du Québec* (1997-2000).
- Member of the review committee for fellowship awards, *Ontario Mental Health Foundation* (2000-2006).
- External reviewer for the following research grant competitions:
  - Alzheimer's Society of Canada (1999, 2002)
  - Canadian Institutes for Health Research (CIHR) (2001)
  - Fonds de la Recherche en Santé du Québec (FRSQ) (1999)
  - Natural Sciences and Engineering Research Council of Canada (NSERC) (2002, 2003, 2006)
  - Neurological Foundation of New Zealand (2003; 2004)
  - Saskatchewan Health Research Foundation (2004)
  - College of Reviewers for the Canada Research Chairs Program, 2003-07
- Reviewer for the following journals: *American Journal of Audiology* (2010), *Canadian Journal of Experimental Psychology* (2001), *Cognitive, Affective, and Behavioral Neuroscience* (2012), *Frontiers in Systems Neuroscience* (2013), *Health Psychology; Language and Cognitive Processes* (2010), *Oxford Research Encyclopedia of Psychology* (2018); *Psychology and Aging* (2005), *Psychosomatic Medicine, Neuroscience Letters* (2001), *Psychophysiology* (2000, 2001, 2011, 2013)
- Executive committee, VRQ Consortium Cognition et Vieillessement.(April, 2001 - 2005)



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## PROFESSIONAL WORKSHOPS PRESENTED

- Phillips, N. (2020). Moderator in the Think Tank on Hearing in Later Life, 9-10 November 2020. A precursor to the International Federation of Aging Global Summit on Hearing in Later Life, 9 November 2021.
- Leroi, I., Phillips, N.A., & Wittich, W. (2020). Remote cognitive testing with older people with hearing and vision loss. Dementia Academy Webinar. May 14, 2020.  
<https://www.youtube.com/watch?v=Yo15OVJ6FAw&feature=youtu.be>
- Phillips, N.A., & Mick, P. (2019). Hearing, Seeing, and Thinking: The cross-sectional relationship between sensory status and cognitive function in CLSA participants. Canadian Longitudinal Study of Aging Webinar Series. September 12, 2019.  
<https://www.youtube.com/watch?v=zRugEF0ZDUw&feature=youtu.be>
- Phillips, N.A. (2019). What is the evidence for associations between hearing loss and cognition? A talk presented in the workshop, “Hearing Loss and Comorbidities in Aging: How Will Emerging Evidence Influence Future Best Practice in Audiology?” *The Speech-Language & Audiology Canada (SAC) Audiology Event*, Friday, May 11, 2019. Montreal, Canada.
- Phillips, N.A. (2016). Mentoring relationships. Invited presentation at the Canadian Association on Gerontology 45<sup>th</sup> Annual Scientific and Education Meeting, Montreal, QC, October 20, 2016.
- Phillips, N.A. (2016). Research highlights from the Quebec Network for Research on Aging (RQRV) - Cognition Group. Chair, symposium at the Canadian Association on Gerontology 45<sup>th</sup> Annual Scientific and Education Meeting, Montreal, QC, October 21<sup>st</sup>, 2016.
- Phillips, N.A. (2016). “Considerations on dual-sensory loss and cognitive decline in older adults.” Chair, symposium at the Canadian Association on Gerontology 45<sup>th</sup> Annual Scientific and Education Meeting, Montreal, QC, October 21<sup>st</sup>, 2016.
- Phillips, N.A. (2016). “Driving retirement, Multi-morbidity and Building Rural Primary Care: A sample of Quality of Life Research within The Canadian Consortium on Neurodegeneration in Aging (CCNA).” Invited discussant for symposium at Canadian Gerontological Association 45<sup>th</sup> Annual Scientific and Educational Meeting, October 21, 2016, Montreal, QC.
- Phillips, N.A. (2016). “How to Incorporate Screening for Cognitive, Vision and Fall Risks into Practice.” Invited to chair preconference workshop given at the 33<sup>rd</sup> World Congress of Audiology. Vancouver, BC, September 18, 2016.
- Phillips, N.A. (2015). Fifth Eriksholm Workshop, “Hearing impairment and Cognitive Energy,” June 3-5<sup>th</sup>, 2015, Helsingor, Denmark. Invited participant.
- Phillips, N.A. (2012). “The Montreal Cognitive Assessment (MoCA): A workshop on its psychometric properties and its research and clinical utility.” A workshop given for the research group of the Czech Republic National Normative Study of Cognitive Determinants of Healthy Aging (NANOK). Prague, Czech, Republic, November 27, 2012.
- Phillips, N.A. Cognitive Assessment in the Older Adult, CIHR Strategic Training Program on Communication and Social Interaction in Healthy Aging, Mississauga, September 5-8, 2003; August 15-18<sup>th</sup>, 2004; August, 2006; August 15-17<sup>th</sup>, 2008.
- Phillips, N.A. (2008). Research Ethics and Grant Review Procedures, Invited workshop for the CIHR Institute of Aging Summer Program in Aging, June 3, 2008, Delawana Inn, Ontario.

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**Public Lectures/Service to the Community**

Memory Enhancement in the Older Adult: A Workshop, Cummings Jewish Centre for Seniors, Montreal, November 23, 2003; April 16<sup>th</sup>, 2004; November 12<sup>th</sup> & 19<sup>th</sup>, 2004

“Is this normal? The neuroscience of cognitive aging.” Brain Awareness Montréal Scientific Café, May 13, 2015, Montréal.

Language and the Aging Adult, Public lecture given to the Beth Ora Temple, St. Laurent, QC, June 23, 2009.

Normal aging versus cause to worry: A not-so-fine line. Keynote lecture, “Where Did I Put My Glasses?”....A Health Forum focusing on memory. Sponsored by the Nurses Council of Montreal Hadassah-WIZO. November 2, 2005.

Understanding your memory: A user’s guide. Public lecture given to the Active Retirement Alumni of the College Marie-Victorin. November 26, 2004.

**WORKSHOPS ATTENDED**

BrainVision EEG Analyzer 2 Workshop, Montréal, May 21-23, 2014.

PHILLIPS, N.A.

## TEACHING EXPERIENCE, MENTORSHIP, AND STUDENT SUPERVISION

2017 NSERC CREATE in Complex Dynamics of Brain and Behaviour, Program Mentor. PI: Caroline Palmer.

### *Courses Taught*

- |                          |  |
|--------------------------|--|
| 2006-<br>2003, 1996-1999 | <b>Course Instructor;</b> Department of Psychology, Concordia University.<br><i>Human Neuropsychology</i> , undergraduate-level.                               |
| 2010 -<br>2005 - 2007    | <b>Clinical Supervisor;</b> Applied Psychology Centre / Department of Psychology, Concordia University. <i>Practicum in Clinical Neuropsychology</i> .         |
| 2008, 2005               | <b>Course Instructor;</b> Science College, Concordia University. <i>Psychological and developmental issues in language</i> , undergraduate-level.              |
| 2003 - 2005              | <b>Course Instructor;</b> Department of Psychology, Concordia University.<br><i>Research Methods</i> , undergraduate-level.                                    |
| 2000 -                   | <b>Course Instructor;</b> Department of Psychology, Concordia University.<br><i>Clinical Neuropsychology</i> , graduate-level.                                 |
| 1997                     | <b>Course Instructor;</b> Department of Psychology, Concordia University.<br><i>Behavioural Disorders</i> , undergraduate-level course in abnormal psychology. |
| 1997- 2002               | <b>Course Instructor;</b> Department of Psychology, Concordia University.<br><i>Models of Assessment</i> , graduate-level course in intellectual assessment.   |

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*Undergraduate Honours/Specialization Thesis Supervision*

2020	Panayiota Ventura
2019	Sophie Pellerin <sup>c</sup> , Michelle Frate, Zoë Papadatos
2018-2019	Tristin Best, Anna-Francesca Boatswain-Jacques **
2018	Chelsea Pozzebon <sup>n</sup>
2017-2018	Maude Brisson-McKenna <sup>c</sup> , Chelsea Pozzebon <sup>n</sup> , Jean-Louis René
2016	Brunella Gonzalez Cautela <sup>n</sup> (NSERC summer student)
2015-2016	Kristina Coulter <sup>n</sup> , Phylcia Verreault, Camille Williams <sup>c</sup>
2014-2015	Alexandra Covey <sup>c</sup>
2014	Julia Pinhiero-Carvalho <sup>c</sup>
2013-2014	Mariya Budanova, Steve Cicione, Leah Modlin
2013	Esther Yakobov <sup>n</sup> (NSERC summer student****)
2012-2013	Arrchsana Ratnarajah
2011-2012	Cristina McHenry***, Guido Powell
2010-2011	Natalia Jozwiak
2009-2010	Jennifer Chan, Stephannie Davies, Lila Karpowicz
2008-2009	Katie Boodhoo
2008	Anna Leshinskaya <sup>n</sup> , Arnaud St. Pierre <sup>n</sup> , (NSERC summer students)
2007	Veronique Taylor <sup>n</sup> (NSERC summer student)
2006-2007	Marjolaine Masse, Lenka Rybnikar
2005-2006	Jessica Chapman, Laura Copeland <sup>n</sup> **, Stephanie Einegal
2004-2005	Diala Arzouni, Giuseppe Alfonsi, Annie-Claude David
2003-2004	Julie Mercier <sup>*,n</sup> , Maude Laguë-Beauvais <sup>*n</sup>
2001-2002	Lezley Ingenito, Shanna Kousaie
2000-2001	Rosa Matousek <sup>*n</sup> , Nadia Merulla
1999-2000	Vivian Akerib, Miglena Grigorova <sup>n</sup> , Dayle Lesperance
1998-1999	Sarah Auchterlonie, Tanya Szammer
1997-1998	Nesrine Awad, Jennifer Jarvis, Heather Pim
1996-1997	Ron Hooper

\* Winner of the Concordia University Faculty of Arts & Science Undergraduate Research Scholarship

\*\* Winner of the Certificate of Academic Excellence for an honours thesis from the Canadian Psychological Association

\*\*\* Most Outstanding Graduating Student in Psychology

\*\*\*\* Governor General's Silver Medal (highest ranking undergraduate student graduating from Concordia University).

<sup>c</sup> Winner of a Concordia Undergraduate Student Research Award

<sup>n</sup> Winner of an NSERC Undergraduate Summer Research Award

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*Graduate Thesis Supervision*Masters Theses

2020 -	Nicole Grant	How are Hearing Loss and Cognitive Status Related to Functional Connectivity in Pre-Clinical and Clinical Alzheimer's Disease?
2018 - 2020	Sana Rehan	The relationship between vision status and brain structure in patients with mild cognitive impairment (MCI)
2017 - 2018	Kristina Coulter	Accelerated to Ph.D. program
2014 -2016	Faisal Al-Yawer	EEG coherence as a measure of brain plasticity following cognitive training in older adults
2013 - 2015	Alexandre Chauvin	Proactive and reactive control mechanisms in bilinguals
2011 -2013	Max Hébert	The Impact of Audiovisual Speech on Working Memory During Semantic Processing
2008 -2010	Jana B. Frtusova	The effect of audio-visual stimuli on working memory
2008 - 2010	Hilary Duncan	The effects of age and bilingualism on language-directed attention.
2006-2008	Erin K. Johns	Neuropsychological function in patients with mild cognitive impairment and fronto-temporal dementia
2003 - 2005	Shanna Kousaie	The effects of context on processing inter-lingual homographs in young and old bilingual adults
2000 - 2002	Marco Sinai	Attention switching performance in younger and older adults
2000 -2004	Vivian Akerib	Transitive inference and problem solving in younger and older adults
1999 -2001	Sarah Auchterlonie	Semantic priming deficits in patients with Alzheimer's disease
1997 - 1999	Luisa Cameli	Age-related differences in semantic priming: Evidence from event-related brain potentials

Ph.D. Theses

2020 -	Sana Rehan	TBD
2018 -	Kristina Coulter	The contribution of bilingualism to cognitive reserve at different levels of cognitive function: From healthy aging to Alzheimer's disease
2016 - 2020	Faisal Al-Yawer	The impact of sensory impairment on cognitive function in persons with or at risk for dementia
2015 - 2020	Alexandre Chauvin	Audio-visual speech perception in the first and second languages of bilinguals
2010- 2014	Jana B. Frtusova	The effect of audio-visual stimuli on working memory in patients with dementia
2010- 2017	Hilary Duncan	The contribution of bilingualism to differences in brain structure and function in aging, mild cognitive impairment, and Alzheimer disease
2008-2015	Erin K. Johns	EEG coherence during executive function tasks in patients with mild cognitive impairment and Alzheimer's disease
2005 - 2009	Axel Winneke	Mechanisms of audio-visual speech perception

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- \*\* Winner of the Canadian Psychology Association (CPA) Thesis Award of Excellence
- 2005 - 2011 Shanna Koussaie A behavioural and electrophysiological investigation of the bilingual advantage  
Concordia University's nominee for the Council of Graduate Studies/University Microfilms International Distinguished Dissertation Awards (Biological and Life Sciences)
- 2002 - 2009 Marco Sinai Executive control of attention in Alzheimer's disease and mild cognitive impairment
- 2001 - 2013 Sarah Auchterlonie Proactive Interference and semantic memory in Alzheimer's disease
- 2000 - 2007 Philippe Goffaux Attention switching performance in older adults with atypical speech patterns (co-supervisor)  
\* Winner of the Canadian Psychology Association (CPA) Best Thesis Award, with Distinction  
\* Concordia University nominee for the Health Sciences Category for le Prix d'excellence de l'Académie des Grands Montréalais and ADESAQ competitions
- 1999 - 2005 Denise Milovan A neuropsychological investigation of chronic migraine (internal supervisor)
- 1999 - 2006 Luisa Cameli Implicit linguistic competence and metalinguistic knowledge: A double dissociation between Parkinson's and Alzheimer's disease
- 2004-2010 Mentor in the CIHR Strategic Research Training Program in Communication and Social Interaction in Healthy Aging

**POSTDOCTORAL FELLOWS**

- 2018- 2019 Nathalie Giroud, Swiss National Science Foundation Postdoctoral Fellowship
- 2017- 2019 Angela Grant, Concordia University Horizon Postdoctoral Fellowship
- 2017- 2018 Anni Marjukka Hämäläinen, University of British Columbia, Canadian Institutes of Health Research: CLSA Catalyst Grant (co-supervisor).  
Current position: Post-doctoral Fellow, Department of Ecology and Genetics, University of Oulu, Finland
- 2006-2007 Vanessa Taler; current position: Associate Professor, University of Ottawa
- 2004-2006 Veena Dwivedi; current position: Associate Professor, Brock University

**VISITING SCIENTISTS**

- May 20 – July 20, 2017 – Karen Aguilar Mateu, Cuban Neurosciences Centre
- January 13 – 15, 2016 – Nathalie Giroud, University of Zurich
- July 7 – 11, 2014 – Thomas Hinault, Aix-Marseille Université

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## PUBLICATIONS

*N.B.:* The names of students/trainees/research fellows under my direct supervision appear underlined.  
I am senior and/or corresponding author on the publications in which my name appears in **bold**.

### Google Scholar Link

[https://scholar.google.com/citations?hl=en&user=Gc12QI0AAAAJ&view\\_op=list\\_works&gmla=AJsN-F7UmS7\\_JUc2iVL22s37ogUMjeXs-iyBde8LEpvZz512G7gRhTfwN3WJH333I-JMa4A55DUnxZmKfqBVh2QwMFjycx2Dd8r0ObWeRtGY9Ncz5MbR730](https://scholar.google.com/citations?hl=en&user=Gc12QI0AAAAJ&view_op=list_works&gmla=AJsN-F7UmS7_JUc2iVL22s37ogUMjeXs-iyBde8LEpvZz512G7gRhTfwN3WJH333I-JMa4A55DUnxZmKfqBVh2QwMFjycx2Dd8r0ObWeRtGY9Ncz5MbR730)

Orcid ID : <https://orcid.org/0000-0003-0855-2961>

### Peer-Reviewed (n=91)

91. Belleville, S., Mellah, S., Cloutier, S., Dang-Vu, T.T., Duchesne, S., Maltezo, S., Phillips, N., Hudon, C. and the CIMA-Q group. (accepted). Neural correlates of resilience to the effects of hippocampal atrophy on memory. *NeuroImage: Clinical*.
90. Gilbert, A. C., Honda, C., Phillips, N. A., & Baum, S. R. (Accepted). Near native-like stress pattern perception in English-French bilinguals as indexed by the mismatch negativity. *Brain and Language*.
89. Gullifer, J., Koussaie, S., Gilbert, A., Grant, A., Giroud, N., Coulter, K., Klein, D., Baum, S., Phillips, N., & Titone, D. (in press). Bilingual language experience as a multidimensional spectrum: Associations with objective and subjective language proficiency. *Applied Psycholinguistics*.
88. Caillaud, M., Hudon, C., Boller, B., Brambati, S., Duchesne, S., Lorrain, D., Gagnon, J.F., Maltezos, S., Mellah, S., Phillips, N., Consortium for the Early Identification of Alzheimer's Disease-Quebec, & Belleville, S. (2020) Evidence of a Relation Between Hippocampal Volume, White Matter Hyperintensities, and Cognition in Subjective Cognitive Decline and Mild Cognitive Impairment, *The Journals of Gerontology: Series B*, 75(7), 1382-1392. <https://doi.org/10.1093/geronb/gbz120>
87. Monterro-Odasso, M., Peruccini-Faria, F., Ismail, Z., Li, K., Lim, A., Phillips, N., Kamkar, N., Sarquis-Adamson, Y., Speechley, M., Theou, O., Vergese, J., Wallace, L., & Camicioli, R. (2020). CCCDTD5 recommendations on early non cognitive markers of dementia. A Canadian Consensus. *Alzheimer's & Dementia: Translational research & clinical interventions*, 8(16), 1182-1195. <https://doi.org/10.1002/trc2.12068>
86. Giroud, N., Baum, S. R., Gilbert, A., Phillips, N., & Gracco, V. (2020). Earlier age of second language learning induces more robust speech encoding in the auditory brainstem in adults, independent of amount of language exposure during early childhood. *Brain and Language*, 207. <https://doi.org/10.1016/j.bandl.2020.104815>
85. Coulter, K., Gilbert, A.C., Koussaie, S., Baum, S., Gracco, V.L., Klein, D., Titone, D., & **Phillips, N.A.** (in press). Bilinguals benefit from semantic context while perceiving speech in noise in both of their languages: Electrophysiological evidence from the N400 ERP. *Bilingualism: Language and Cognition*.
84. Wittich, W., Pichora-Fuller, M.K., Johnson, A., Joubert, S., Kehayia, E., Bachir, V., Aubin, G., Jaiswal, A., & Phillips, N. (submitted). The Effect of Reading Rehabilitation for Age-Related Vision Impairment on Cognitive Functioning: A non-randomized pre-post intervention study protocol, *JMIR Research Protocols*, <http://dx.doi.org/10.2196/19931>

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83. Phillips, N.A., Andrews, M., Chertkow, H., Pichora-Fuller, M.K., Rockwood, K., & Wittich, W. (2020). Clinical judgement is paramount when performing cognitive screening during COVID-19, *Journal of the American Geriatrics Society*. <https://doi.org/10.1111/jgs.16559>
82. Phillips, N.A., Chertkow, H., Pichora-Fuller, M.K., and Wittich, W. (2020). Special issues on using the MoCA for remote assessment during COVID-19 (Letter to the Editor), *Journal of the American Geriatrics Society*. 68 (5), 942-944. <https://doi.org/10.1111/jgs.16469>
81. Mick, P., Hämäläinen, A., Kolisang, L., Pichora-Fuller, M.K., Phillips, N., Guthrie, D., & Wittich, W. (in press, 2021). The prevalence of hearing and vision loss in older Canadians: An analysis of the Canadian Longitudinal Study on Aging. *Canadian Journal on Aging/La Revue canadienne du vieillissement*, 40(1). <https://doi.org/10.31234/osf.io/v7kr5>
80. Hämäläinen, A., Phillips, N., Wittich, W., Pichora-Fuller, M.K., & Mick, P. (2019). Sensory-cognitive associations are only weakly mediated or moderated by social factors in the Canadian Longitudinal Study on Aging. *Scientific Reports*, 9, 19660. <https://doi.org/10.1038/s41598-019-55696-5>
79. William, N, Phillips, N.A., Wittich, W., Campos, J.L., Mick, P., Orange, J.B., Pichora-Fuller, M.K., Savundranayagam, M.Y., & Guthrie, D.M. (2020). Hearing and Cognitive Impairments Increase the Risk of Long-term Care Admissions. *Innovation in Aging*, 4(2), igz053. <https://doi.org/10.1093/geroni/igz053>
78. Grant, A.M., Brisson-McKenna, M., and **Phillips, N.A.** (2020). Electrophysiology reflects the influence of discourse context on auditory semantic processing in bilinguals. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. Advance Online Publication. <https://doi.org/10.1037/xlm0000813>
77. Urqueta Alfaro, A., Guthrie, D., Phillips, N.A., Pichora-Fuller, M.K., Mick, P., McGraw, C., & Wittich, W. (2019). Detection of vision and/or hearing loss using the interRAI Community Health Assessment aligns well with common behavioral vision/hearing measurements. *PLoS ONE*, 14(10): e0223123. <https://doi.org/10.1371/journal.pone.0223123>
76. Caillaud, M., Hudon, C., Boller, B., Brambati, S., Duchesne, S., Lorrain, D., Gagnon, J.F., Maltezos, S., Mellah, S., Phillips, N, Consortium for the Early Identification of Alzheimer's Disease-Quebec, & Belleville, S. (2019). Evidence of a relation between hippocampal volume, white-matter hyperintensities, and cognition in Subjective Cognitive Decline and Mild Cognitive Impairment. *The Journals of Gerontology: Series B*, gbz120. <https://doi.org/10.1093/geronb/gbz120>
75. Kousaie, S., Baum, S., Phillips, N.A., Gracco, V., Titone, D., Chen, J., Chai, X.J., & Klein, D. (2019). Language learning experience and mastering the challenges of perceiving speech in noise. *Brain and Language*, 196, 1-9. <https://doi.org/10.1016/j.bandl.2019.104645>
74. Carr, S., Pichora-Fuller, M.K., Li, K.Z.H., Phillips, N., & Campos, J.L. (2019). Multisensory, multi-tasking performance of older adults with and without subjective cognitive decline. *Multisensory Research*, 3(8), 797-829. <https://doi.org/10.1163/22134808-20191426>
73. Chertkow, H., Borrie, M., Whitehead, V., Black, S. E., Feldman, H. H., Gauthier, S., Hogan, D.B, Mesellis, M., McGilton, K., Rockwood, K., Tierney, M.C., Andrew, M., Hsiung, G.R., Camicioli, R., Smith, E.E., Fogarty, J., Lindsay, J., Best, S., Evans, A., Das, S., Mohaddes, Z., Pilon, R., Poirier, J., Phillips, N.A., MacNamara, E., Dixon, R.A., Duschene, S., Mackenzie, I., & Rylett, R. J. (2019). The Comprehensive Assessment of Neurodegeneration and Dementia: Canadian Cohort Study. *Canadian Journal of Neurological Sciences / Journal Canadien Des Sciences Neurologiques*, 46(5), 499–511. <https://doi.org/10.1017/cjn.2019.27>



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72. Al-Yawer, F., Pichora-Fuller, M.K., & **Phillips, N.** (2019). The Montreal Cognitive Assessment (MoCA) after Omission of Hearing-dependent Subtests: Psychometrics and Clinical Recommendations. *Journal of the American Geriatrics Society*, 67(8), 1689-1694. <https://doi.org/10.1111/jgs.15940>
71. Fraga, F. J., Mamani, G. Q., Johns, E., Tavares, G., Falk, T. H., & **Phillips, N. A.** (2018). Early diagnosis of mild cognitive impairment and Alzheimer's with event-related potentials and event-related desynchronization in N-back working memory tasks. *Computer Methods and Programs in Biomedicine*, 164, 1–13. <https://doi.org/10.1016/j.cmpb.2018.06.011>
70. Guthrie D.M., Davidson, J.G.S., Williams, N., Campos, J., Hunter, K., Mick, P., Orange, J.B., Pichora-Fuller, M. K., Phillips, N.A., Savundranayagam, M., & Wittich, W. (2018). Combined impairments in vision, hearing and cognition are associated with greater levels of functional and communication difficulties than cognitive impairment alone: Analysis of interRAI data for home care and long-term care recipients in Ontario. *PLoS ONE* 13(2): e0192971. <https://doi.org/10.1371/journal.pone.0192971>
69. Mick, P., Campos, J., Guthrie, D., Orange, J.B., Phillips, N., Pichora-Fuller, M.K., Wittich, W., & Savundranayagam, M. (2018). Associations between sensory loss and social network, participation, support, and loneliness: Analysis of data from the Canadian Longitudinal Study on Aging. *Canadian Family Physician Journal*, 64(1), e33-e41. <http://www.cfp.ca/content/cfp/64/1/e33.full.pdf>
68. Duncan, H., Nikelski J., Pilon, R., Steffener J., Chertkow, H.M., & **Phillips, N.A.** (2018). Structural brain differences between monolingual and multilingual patients with mild cognitive impairment and Alzheimer disease: Evidence for cognitive reserve. *Neuropsychologia*. Jan 31;109:270-282. <https://doi.org/10.1016/j.neuropsychologia.2017.12.036>. Epub 2017 Dec 26.
67. Pichora-Fuller, M. K., & **Phillips, N.** (2017). Tackling the toll of hearing loss on executive function: We need to think beyond the speech chain and hearing aids to fully address effects of hearing loss on older adults' cognitive health. *The ASHA Leader*, 22(7), 6-8. <https://doi.org/10.1044/leader.FMP.22072017.6>
66. Bruce, H., Aponte, D., St-Onge, N., Phillips, N., Gagne, J.P., & Li, K. (2017). The Effects of Age and Hearing Loss on Dual-Task Balance and Listening. *Journal of Gerontology Series B: Psychological Sciences and Social Sciences*, gbx047. <https://doi.org/10.1093/geronb/gbx047>
65. Kousaie, S., & **Phillips, N.A.** (2017). A behavioural and electrophysiological investigation of the effect of bilingualism on aging and cognitive control. *Neuropsychologia*, 94C, 23-35. <https://doi.org/10.1016/j.neuropsychologia.2016.11.013>
64. **Phillips, N. A.** (2016). The implications of cognitive aging for listening and the FUEL model. *Ear and Hearing*, 37, 44S-51S. <https://doi.org/10.1097/AUD.0000000000000309> "Editors' Special Recognition Award as an Outstanding Supplement contribution".
63. Pichora-Fuller, M.K., Kramer, S.E., Eckert, M., Edwards, B., Hornsby, B., Humes, L.E., Lemke, U., Lunner, T., Matthen, M., Mackersie, C., Naylor, G., Phillips, N., Richter, M., Rudner, M., Sommers, M., Tremblay, K., Wingfield, A. (2016). Hearing impairment and cognitive energy: A framework for understanding effortful listening (FUEL). *Ear and Hearing*, 37, 5S-27S. <https://doi.org/10.1097/AUD.0000000000000312> "Editors' Special Recognition Award as an Outstanding Supplement contribution".
62. Frtusova, J. B., & **Phillips, N. A.** (2016). The auditory-visual speech benefit on working memory in older adults with hearing impairment. *Frontiers in Psychology*, 7. <http://dx.doi.org/10.3389/fpsyg.2016.00490>

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### Book Chapters

- Grant, A., Coulter, K., & Phillips, N. (2020). Current perspectives on aging and bilingualism across the lifespan. In A. Thomas, A. Gutchess, Eds., *Handbook of Cognitive Aging: A Life Course Perspective*. Cambridge University Press, pp. 480-498.
- Chauvin, A., Duncan, H.D., and Phillips, N.A. (2017). Bilingualism, Cognitive Reserve, Aging, and Dementia: What is the new ground to cover? In E. Bialystok, & M.D. Sullivan Eds., *Growing Old with Two Languages: Effects of Bilingualism on Cognitive Aging*. John Benjamins Publishing Company, pp. 219-242.
- Duncan, H.D. and **Phillips, N.A.** (2016). The Contribution of Bilingualism to Cognitive Reserve in Healthy Aging and Dementia. In E. Nicoladis & S. Montanari, Eds., *Bilingualism Across the Lifespan: Factors moderating language proficiency*. APA Books, pp. 305-322.
- Julayanont, P., **Phillips, N.**, Chertkow, H., and Nasreddine, Z.S. (2013). The Montreal Cognitive Assessment (MoCA): Concept and Clinical Review. In A.J. Larner (Ed.), *Cognitive Screening Instruments: A Practical Approach*. Springer-Verlag, pp. 111-152.
- Phillips, N.A.** (2001). Thinking on your feet: A neuropsychological review of peripheral vascular disease. In S.R. Waldstein & M.F. Elias (Editors), *Neuropsychology of Cardiovascular Disease*, Lawrence Erlbaum Associates, pp. 121-142.

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*Submitted*

Al-Yawer, F., Bruce, H., Li, K., Pichora-Fuller, M.K., Phillips, N.A. (submitted, September 2020). Sex differences in the associations between neuropsychological test scores and pure-tone and speech- in-noise measures of hearing. *Journal of Gerontology: Medical Sciences*.

Bruce, H., Bherer, L., Campos, J.L., Gagné, J.P., Phillips, N., Pichora-Fuller, M.K., St-Onge, N., & Li, KZH. (submitted). The Mediating Role of Cognition in the Link between Hearing and Mobility Among Older Adults. *Cognition, Hearing, and Mobility*.

Chauvin, A. and Phillips, N.A. (submitted, September 2020). Individuals with Mild Cognitive Impairment and Alzheimer's Disease Benefit from Audiovisual Speech Cues. *Journal of Speech, Language, and Hearing Research*.

Coulter, K. and Phillips, N.A. (submitted, May 2020). Bilinguals differ from monolinguals in the stages of speech error monitoring: Evidence from event-related brain potentials (ERPs). *Brain and Language*.



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*Invited Talks/Conference Oral Presentations*

**Phillips, N.** (2020).

**Phillips, N.** (2019). Sensory function, cognition, and brain anatomy in older adults with, or at risk for dementia. Invited talk at the Aging & Speech Communication Conference, Tampa, Florida, USA, November 3-6, 2019.

**Phillips, N.** (2019). Hearing, cognition, and brain structure: Initial findings from the COMPASS-ND study. Keynote presentation at the *5th International Conference on Cognitive Hearing Science for Communication (CHSCOM)*, Linköping, Sweden, June 9 – 12, 2019.

**Phillips, N.** (2019). Cognitive Function II: Assessing Cognition in Older Adults with Visual or Hearing Impairment. Invited presentation at “A Transdisciplinary Approach to Engage Specialty Investigators in Aging Research Sponsored by the National Institute on Aging, Grant Number: 2U13AG040938-04. Workshop III: “Workshop on Embedding/Sustaining a Focus on Function in Specialty Research and Care.” January 31-February 1, 2019. Pentagon City, USA.

**Phillips, N.** (2018). New initiatives in dementia research: An overview of the COMPASS-ND study of the Canadian Consortium for Neurodegeneration in Aging (CCNA). Talk presented at the *Cuban Neuroscience Center (CNEURO) Winter School “Neurotechnology applications on aging-related disorders”*, December 5, 2018, Havana, Cuba.

**Phillips, N.** (2018). Interventions at the sensory and cognitive interface. Talk presented at the *Canadian Consortium on Neurodegeneration in Aging (CCNA) Annual Science Days*, October 1-3, 2018, Montreal, Quebec, Canada.

**Phillips, N.** (2018). The benefit of multisensory audio-visual speech cues in first and second language processing. Invited **keynote** presentation at the 2018 CSBBCS Executive Symposium "New Research Directions in Multisensory Integration." *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 28th Annual Meeting*, July 4-8, 2018, St. John's, Newfoundland, Canada.

**Phillips, N., Guthrie, D., Mick, P., Pichora-Fuller, K., & Wittich, W.** (2017). Sensory and Cognitive Function in Dementia: Implications for Assessment and Quality of Life (QoL). Talk presented at the *21st IAGG World Congress of Gerontology and Geriatrics*, July 23-27, 2017, San Francisco, California, USA.

Chauvin, A., & Phillips, N. (2017). Cognitive control in bilinguals: Does one size fit all? Talk presented at the *11th International Symposium on Bilingualism*, June 11-15, 2017, Limerick, Ireland.

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- Phillips, N.A.** (2017). An overview of the cognitive and clinical battery in the COMPASS-ND study of the Canadian Consortium on Neurodegeneration in Aging (CCNA). Invited presentation at the CIHR Summer Program in Aging (SPA 2017) Physical Activity and Aging, May 15-19, 2017, Montréal, Quebec.
- Coulter, K., Phillips, N., Gonzalez Cautela, B.V., René, J-L., Covey, A., Gilbert, A., Kousaie, S., Titone, D., Baum, S., Klein, D., Gracco, V. (2017). L'influence du contenu et de la compétence linguistique sur le traitement de phrases dans le bruit chez les bilingues. Talk presented at *le 85e Congrès de L'Association Francophone pour le Savoir (ACFAS)*, May 9, 2017, Montreal, Canada.
- Phillips, N.A.** (2017). Cognitive function and sensory loss in aging and dementia. Invited presentation at the 4th International Conference on Cognitive Hearing Science for Communication, 18-21 June 2017, Linköping, Sweden.
- Phillips, N.A.** (2016). Aging, Hearing Loss, Cognitive Function, and Dementia: What are the links? Talk presented at the *33rd World Congress of Audiology*, September 18-21, 2016, Vancouver, BC.
- Phillips, N.A.** (2016). Cognitive function and cognitive assessment in the older adult: Implications for hearing professionals. Talk presented at the *International Hearing Aid Research Conference*, August 10-14, 2016, Tahoe City, California, USA.
- Phillips, N.A.**, Duncan, H.D., Nikelski, J., and Cherkow, H. (2016). Neuroanatomical evidence of multilingualism's contribution to brain and cognitive reserve in mild cognitive impairment and Alzheimer disease. Talk presented at the plenary session on Mild Cognitive Impairment at the *2016 Cognitive Aging Conference*, April 16, 2016, Atlanta, Georgia, USA.
- Phillips, N.A.** and Johns, E. (2016). EEG coherence and executive function in mild cognitive impairment and Alzheimer's disease. *Cognition and Circuits Seminar*, March 16, 2016, Montreal Neurological Hospital.
- Phillips, N.A. (2015). Cognitive testing and cognitive resources: Implications for hearing and cognition professionals. Invited oral presentation at the Fifth Eriksholm Workshop on the topic "Hearing impairment and Cognitive Energy," June 3-5th, 2015.
- Phillips, N.A.** (2015). Bilingualism and Cognitive Reserve: Evidence from persons with or at risk for Alzheimer's disease. Invited lecture at the *Montreal Bilingual Brain Initiative Symposium*, May 28-29, 2015, Montréal, Canada.
- Phillips, N.A.** (2014). The Impact of Multilingualism on the Neurophysiological and Structural Correlates of Healthy and Pathological Aging. Invited Plenary Lecture, Joint Meeting of ECNS, ISBET and ISNIP, September 6, 2014, Halifax, Nova Scotia, Canada.
- Phillips, N.A.** (2014). Overview of the CCNA Neuropsychological Assessment Battery. Canadian Consortium on Neurodegeneration in Aging (CCNA) Scientific Conference, June 21-22, 2014, Montréal.
- Phillips, N.A.** (2013). Downstream benefits of audio-visual speech cues on working memory and sentence processing across the lifespan: Evidence from ERPs. HEAD Seminar Series, November 6, 2014, Linköping University, Linköping, Sweden.
- Phillips, N.A.** (2012) Exploring the links between executive function, second language acquisition and bilingual language processing, (A. Prior, chair). Oral paper presented to the *31st Second Language Research Forum (SLRF)*, Pittsburg, Pennsylvania, USA, October 18-21.
- Kousaie, S., & **Phillips, N.A.** (2012). The bilingual advantage in cognitive control: Whom what, when, where and why? Oral paper presented at the symposium on "The cognitive impacts of

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bilingualism: An attempt at conflict resolution of empirical findings, (N.A. Phillips, chair) at the *Canadian Psychology Association's (CPA) 73rd Annual Convention*, June 14-16, Halifax, Nova Scotia, Canada.

- Phillips, N.A.** and **Kousaie, S.** (2012). The bilingual advantage in cognitive control: Behavioral and electrophysiological evidence. Oral paper presented at the symposium on "Cognitive control and bilingualism, (M. Hilchey, Chair) at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 22nd Annual Meeting*, June 7-9, 2012, Kingston, Ontario, Canada.
- Kousaie, S., & Phillips, N.A.** (2012). Behavioural and electrophysiological investigations of the bilingual "advantage" in young and older adults. Oral paper presented at the *Bloomfield Center for Research in Aging Seminar Series*, March, Montreal, Quebec, Canada.
- Phillips, N.A., Johns, E.K., and Powell, G.A.** (2012). ERP measures of working memory in patients with mild cognitive impairment and Alzheimer disease. Oral paper presented at the symposium entitled, "Electrophysiology as an investigation tool of attention and working memory, (P. Jolicoeur, C. Lefebvre, chairs) at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 22nd Annual Meeting*, June 7-9, 2012, Kingston, Ontario, Canada.
- Phillips, N.A.** (2011). Interactions between perceptual and cognitive factors during audio-visual speech perception: Evidence from behaviour and event-related brain potentials. Colloquium presented to the Centre de Recherche en Neuropsychologie et Cognition (CERNEC) conference, Montréal, Québec, September 30, 2011.
- Phillips, N.A.** (2011). Look at me when I'm talking to you! The benefits of audio-visual speech perception. Colloquium presented to the Department of Psychology, Concordia University, Montréal, Québec, September 22, 2011.
- Phillips, N.A., Gagné, J.-P., Basu, M., Copeland, L., Gosselin, P., Winneke, A., Chan, J., and Bishundayal, S.** (2010). The role of sensory and cognitive factors in audio-visual speech perception in younger and older adults. Talk presented at the plenary session on speech perception at the *2010 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 15-18, 2010.
- Phillips, N.A., Gagné, J.-P., Basu, M., Copeland, L., Gosselin, P., Saint-Pierre, A., Winneke, A.** (2009). Audio-visual speech perception in younger and older adults: Effects on word identification and memory. Oral paper presented at the *10th Annual meeting of the International Multisensory Research Forum (IMRF)*, New York City, June 29 - July 2, 2009.
- Phillips, N.A.** (May 2009). Executive function impairments in mild cognitive impairment and in patients with dementia: Evidence from neuropsychological and electrophysiological measures. Invited colloquium in honour of the 20<sup>th</sup> Anniversary of Dalhousie University's Doctoral Program in Clinical Psychology. May 15, 2009.
- Phillips, N.A.** (May 2009). Executive function impairments in mild cognitive impairment and in patients with dementia: Evidence from neuropsychological and neurophysiological measures. Rounds delivered to the Department of Clinical Neurosciences, Jewish General Hospital, Montréal. May 12, 2009.
- Phillips, N.A.** and **Kousaie, S.** (October 2008). What do early and late ERP effects tell us about processing in a first and second language?, "Making Sense of Frontal Language ERPs, (chair, J. Dien). Presented at the Forty-Eighth Annual Meeting of the *Society for Psychophysiological Research (SPR)*, Austin, Texas, October 1-5, 2008.
- Phillips, N.A.** (September 2008). The influence of working memory and other cognitive functions on task switching. Invited talk in the symposium, "Cognitive control processes, (chair, F.

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Karayanidis). Presented at the *Tenth International Conference on Cognitive Neuroscience (ICON10)*, Bodrum, Turkey, September 1-5, 2008.

- Phillips, N.A.** (June 2008). Electrophysiological techniques in the assessment in clinical populations: Are they ready for prime time? Presented at the *2008 Annual Convention of the Canadian Psychological Association*, Halifax, Nova Scotia (June 12-14, 2008).
- Phillips, N.A., Johns, E., & Sinai, M.** (16 March 2008). Neuropsychological and electrophysiological evidence of executive function in mild cognitive impairment and in patients with dementia. Invited talk in the symposium "Le trouble cognitif léger (ou mild cognitive impairment) chez la personne âgée, (chair, S. Belleville). Le 30ème Congrès Annuel de la Société Québécoise pour la Recherche en Psychologie (Trois-Rivières, 14-16 March 2008).
- Sinai, M., Phillips, N.A., & Goffaux, P. (2006). Task difficulty effects on backward inhibition. Symposium presentation at the *Canadian Society for Brain, Behaviour, and Cognition Conference*. June 22-24, Saskatoon, SK, Canada.
- Goffaux, P., Phillips, N., Sinai, M., Pushkar, D. (2006). Failing to prepare: How working memory affects age-related changes in task switching performance and electrical brain activity. Talk presented at the *16th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*, June 22-24, Saskatoon, SK, Canada.
- Phillips, N.A.** (11 October 2005). Executive Control, Working Memory, and Language Processing in the Aging Brain. Presented at *Aging and Speech Communication: An International and Interdisciplinary Research Conference*, October 9-12, 2005, Indiana University, Bloomington, Indiana.
- Phillips, N.A., & Matousek, R.** (2005). The effects of phonological noise on speech processing and working memory in younger and older adults. Paper presented at the symposium on "An updated view of working memory constraints on language, (D. Titone, chair) at the *15th Annual Conference of the Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)*, July 14-17, Montreal, QC, Canada.
- Phillips, N.A.** (27 March 2005). Behavioural and event-related brain potential measures of language processing in older adults. Presented at the 3<sup>rd</sup> Annual Research Symposium of the CIHR Strategic Research Training Program in Communication and Social Interaction in Healthy Aging. February 25-27, 2005. Ottawa, Canada.
- Phillips, N.A.** (2 March, 2004). Cognitive ERPs: A primer. Séminaire de méthodologie en neuroimagerie, Institut universitaire de gériatrie de Montréal, Montréal. Regroupement Provincial de Recherche en Imagerie Cérébrale.
- Phillips, N.A.** (November, 2003). Age differences in executive control: Effects on language processing and task switching. CRDH Seminar Series: Current issues in developmental science. Centre for Research in Human Development, Concordia University, November 18, 2003.
- Phillips, N.A.** (March, 2003). Keeping the message alive: Working memory, executive control, and language processing in the aging brain. Presented at the Max Planck Institute of Cognitive Neuroscience, Leipzig, Germany, March 19, 2003.
- Phillips, N.A.** (November, 2002). Executive control and working memory constraints on language processing in aging. Presented at the School of Communication Sciences & Disorders, McGill University, November 18, 2002.
- Phillips, N.A., & Ingenito, L.** (September, 2002). Electrical brain activity during homograph reading: Effects of working memory capacity. Presented at the *Eight International Conference on Cognitive Neuroscience (ICON8)*, Porquerolles Island, France, September 9-15, 2002.

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- Phillips, N.A.** (March, 2002). "Executive control and working memory constraints on language processing in aging. Centre de Recherche, Institut universitaire de gériatrie de Montréal, Montréal.
- Phillips, N.A.** (November, 2001). "Brain activation indices of language and cognition in healthy aging and dementia. Psychology Rounds, Institute of Community and Family Psychiatry, Jewish General Hospital, Montréal.
- Phillips, N.A.** (November, 2000). "Electrophysiological studies of inhibition and executive control: Applications in cognitive aging. Department of Psychology, Dalhousie University, Halifax, Nova Scotia.
- Phillips, N.A.** (April, 2000). "Changes in semantic priming in aging and dementia: Evidence from event-related brain potentials." Cognitive Neuropsychology Seminar, Montréal Neurological Institute, Montréal.
- Phillips, N.A.** (November, 1999). "Electrophysiological assessment in Alzheimer's disease. Geriatric Medicine/Memory Clinic Research Rounds, Jewish General Hospital, Montréal.
- Phillips, N.A.** (June, 1999). "Semantic processing in Alzheimer's disease and normal aging. Groupe de Recherche en Neuropsychologie Experimentale, Departement de Psychologie, Université de Montréal.
- Phillips, N.A.** (May, 1999). "Meaningful waves: Cognitive event-related brain potential applications in aging and Alzheimer's disease. Department of Neurology and Neurosurgery Grand Rounds, Montréal Neurological Institute, May, 28, 1999.
- Phillips, N.A.** (March, 1999). "Advances in the early diagnosis and treatment of Alzheimer's disease. CRDH Seminar Series: Risk-Resilience over the lifespan. Centre for Research in Human Development, Concordia University, March 2, 1999.
- Phillips, N.A.** (March, 1997). "Current research directions in the use of cognitive event-related brain potentials in the study of aging and dementia. Montréal ERP Interest Group, McGill University, Montréal, Québec.

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*Published Abstracts*

- Phillips, N. A., Johns, E., Chertkow, H., and Nikelski, J.** (2016). EEG Coherence and executive function in mild cognitive impairment and Alzheimer's disease. [Talk presented at the 56<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), Minneapolis, MN, USA, September 21-25, 2016.]
- Conley, A., Jolly, T., Rennie, J., Cooper, P., Bateman, G., Parsons, M., Levi, C., Phillips, N., Michie, P., and Karayanidis, F. (2016). Longitudinal changes in cerebrovascular health on white matter microstructure and cognitive performance. [Poster presented at the 56<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), Minneapolis, MN, USA, September 21-25, 2016.]
- Phillips, N. A., Ratnarajah, A.S., Powell, G.A., DeBoysso, C., Mellah, S., and Belleville, S.** (2013). The effect of cognitive training on EEG coherence and divided attention in healthy older adults. [Poster presented at the 53<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), Florence, Italy, October 2013.]
- Phillips, N. A., & Johns, E.K.** (2012). ERP measures of inhibition on a go/no-go task in patients with mild cognitive impairment, Alzheimer disease, and healthy controls. *Psychophysiology*, 49, Suppl. 1, S91. [Poster presented at the 52<sup>nd</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), New Orleans, LA, USA., September 19-23, 2012.]
- Phillips, N. A., Johns, E.K., & Powell, G.A.** (2012). ERP measures of working memory in patients with mild cognitive impairment, Alzheimer disease, and healthy controls. *Psychophysiology*, 49, Suppl. 1, S91. [Poster presented at the 52<sup>nd</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), New Orleans, LA, USA., September 19-23, 2012.]
- Frtusova, J. B., Duncan, H. D., Chertkow, H., Nasreddine, Z., & Phillips, N. A. (2012). A convergence between items on the Montreal Cognitive Assessment and Neuropsychological Tests in Mild Cognitive Impairment: A factor analysis. *Alzheimer's & Dementia*, 8, P360. [Poster presented at the Alzheimer's Association International Conference, July 14<sup>th</sup> – 19<sup>th</sup>, Vancouver: British Columbia].
- Kousaie, S. & Phillips, N.A. Bilingualism and Cognitive Control in Healthy Older Adults. (2012). *Journal of the International Neuropsychological Society*, 45, Suppl. 1., pp.59-60. [Talk presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 15-18, 2012, Montréal, Canada].
- Frtusova, J. B., Duncan, H. D., Chertkow, H., Nasreddine, Z., & Phillips, N. A. (2012). Logistic Regression Analysis of the MoCA: Which Items Distinguish Normal Aging, Mild Cognitive Impairment, and Alzheimer disease? *Journal of the International Neuropsychological Society*, 45, Suppl. 1., pp. 273-274. [Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 15<sup>th</sup>–18<sup>th</sup>, Montreal: Quebec].
- Chertkow, H., Nasreddine, Z., Phillips, N., & Whitehead, V. In Mild Cognitive Impairment, Does the Severity of Impairment On the Moca (Montreal Cognitive Assessment) Predict Progression to Dementia? *Journal of the International Neuropsychological Society*, 45, Suppl. 1. [Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 15-18, 2012, Montréal, Canada].

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- C. McHenry, V. Taler, S. Baum & N.A. Phillips. Comprehension of Phonetic and Prosodic Information with Audio-visual and Linguistic cues in Alzheimer's disease and mild cognitive impairment. *Journal of the International Neuropsychological Society*, 45, Suppl. 1. [Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 15-18, 2012, Montréal, Canada].
- H. Chertkow, Z. Nasreddine, N. Phillips, L. Litwin & V. Whitehead. Low Tech Diagnostic Approach with the MoCA (Montreal Cognitive Assessment) Fails to Distinguish Alzheimer's Disease from Frontotemporal Dementia. *Journal of the International Neuropsychological Society*, 45, Suppl. 1. [Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 15-18, 2012, Montréal, Canada].
- Frtusova, J. B., Amarsi, J., & Phillips, N. A. (2011). Sensory processing affects working memory performance in noisy environment: An event-related potential study. *Psychophysiology*, 48, Suppl. 1, S107. [Poster presented at the 51<sup>st</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), Boston, MA, USA.]
- Kousaie, S., & Phillips, N.A. (2011, September). ERP measures of conflict monitoring and resolution in bilinguals and monolinguals. *Psychophysiology*, 48, Suppl. 1, S90. [Poster presented at the 51<sup>st</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), Boston, MA, USA.]
- McHenry, C., Trewartha, K., & Phillips, N.A. (2011, September). Error-related ERP components during speech production: Attenuation of the ERN in older adults. *Psychophysiology*, 48, Suppl. 1, S75. [Poster presented at the 51<sup>st</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), Boston, MA, USA.]
- Johns, E. K., Davies, S., & Phillips, N. A. (2011, September). Differences in the Relationship Between EEG Coherence and Working Memory Performance in Young Adults and High and Low Performing Older Adults. *Psychophysiology*, 48, Suppl. 1, S75. [Poster presented at the 51<sup>st</sup> annual meeting of the Society for Psychophysiological Research, Boston, MA.]
- Phillips, N., Chertkow, H., Nasreddine, N., Whitehead, V., Bishundayal, S., McHenry, C. (2011, February). Validation of Alternate Forms for the Montreal Cognitive Assessment (MoCA), a Screening Test for Mild Cognitive Impairment. *Journal of the International Neuropsychological Society*, 44, Suppl. 1., p. 291. [Poster presented at the 39<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 2-5, 2011, Boston, USA].
- Phillips, N.A.**, Baum, S., and Taler, V. (2009). Audio-visual speech perception in mild cognitive impairment and healthy elderly controls. Paper presented at the eighth *International Conference on Auditory-Visual Speech Processing (AVSP)*. University of East Anglia, Norwich, UK., September 10-13, 2009.
- Winneke, A.H. & **Phillips, N.A.** (2009). Older and young adults use fewer neural resources during audiovisual than during auditory speech perception. Paper presented at the eighth *International Conference on Auditory-Visual Speech Processing (AVSP)*. University of East Anglia, Norwich, UK., September 10-13, 2009.
- Kousaie, S. and **Phillips, N.A.** (2009). Lexical ambiguity resolution: Is there an advantage to being bilingual? Poster presented at the *International Symposium on Bilingualism 7*, 8-11 July 2009, The Netherlands.

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- Pichora-Fuller, M.K., Dupuis, K., Sheldon, S., & **Phillips, N.** (2008). Effects of age, sentence context, and noise-vocoding on word identification: behavioural and electrophysiological findings. *International Journal of Psychology*, 43 (3/4 forthcoming). [Poster presented at the *International Congress of Psychology*, July 2008, Berlin, Germany.]
- David, A.-C., Grigorova, M., and **Phillips, N.A.** (2008). Estrogen and working memory in healthy young females: An event-related potential study. Poster presented at the 69th Annual Convention of the Canadian Psychological Association (CPA), Halifax, N.S. Abstract published in *Canadian Psychology*, 49(2Pa).
- Johns, E. K., **Phillips, N. A.**, Belleville, S., Goupil, D., Babins, L., Kelner, N., Ska, B., Gilbert, B., Inglis, G., Massoud, F., Panisset, M., de Boysson, C., & Chertkow, H.(2008). Disproportionate deficits in inhibitory control: Profile of executive functioning in mild cognitive impairment. *Journal of the International Neuropsychological Society*, 41, *Suppl. 1*, p252. [Poster presented at the 36<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 6-9, 2008, Waikoloa, HI, USA.]
- Johns, E. K., **Phillips, N. A.**, Chertkow, H., Bergman, L., Solomon, S., Desormeau, J., & Nasreddine, Z. S.(2008). The Montreal Cognitive Assessment: Normative data in the community. *Journal of the International Neuropsychological Society*, 41, *Suppl. 1*, p58. [Poster presented at the 36<sup>th</sup> Annual Meeting of the International Neuropsychological Society, February 6-9, 2008, Waikoloa, HI, USA.]
- Taler, V., Trudeau-Malo, J., & **Phillips, N.A.**(2007). The effects of neighborhood density and neighbor frequency on lexical processing: An ERP study. *Psychophysiology*, 44, *Suppl. 1*, S108.
- Winneke, A.H. & **Phillips, N.A.** (2007). Assessing multisensory interactions during audio-visual speech perception using ERP. *Psychophysiology*, 44, *Suppl. 1*, S36. [Poster presented at the 47<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research (SPR), October 17-21, 2007, Savannah, GA, USA.]
- Dwivedi, V., **Phillips, N.A.**, Einagel, S., & Baum, S. (2006). An EEG response to linguistic ambiguity. *Psychophysiology*, 43, *Suppl. 1*, S35. [Poster presented at the 46<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 24-29, 2006, Vancouver, BC, Canada.]
- Taler, V., Klepousniotou, E., & **Phillips, N.A.** (2006). The many shades of lexical ambiguity. *Psychophysiology*, 43, *Suppl. 1*, S97. [Poster presented at the 46<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 24-29, 2006, Vancouver, BC, Canada.]
- Montero-Odasso, M., Bergman, H., **Phillips, N.**, Wong, C., Sourial, N., & Chertkow, H.(2006). The effect of executive and memory dysfunction in gait performance in a cognitive impairment population. *Journal of the American Geriatrics Society.*, 54:S154. [Poster presented at the *International Congress on Gait and Mental function*, February 3-5, 2006, Madrid, Spain. Presented at *The Canadian Geriatrics Society*, April 20-22, 2006, Vancouver, BC, Canada and at *The American Geriatrics Society*, May 3-7, 2006, Chicago, IL, USA.]
- Sinai, M., & **Phillips, N.A.** (2005). Mild cognitive impairment and task switching: ERP and behavioural measures. *Journal of Cognitive Neuroscience Suppl.*, 223. [Poster presented at the *Annual Meeting of the Cognitive Neuroscience Society*, April 8-12, 2005, New York, NY, USA]
- Dwivedi, V., **Phillips, N.A.**, Laguë-Beauvais, M., & Baum, S. (2005). An electrophysiological investigation of on-line discourse comprehension. *Journal of Cognitive Neuroscience Suppl.*, 25. [Poster presented at the *Annual Meeting of the Cognitive Neuroscience Society*, April 8-12, 2005, New York, NY, USA.]



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- Phillips, N.A., Klein, D., de Boysson, C., & Mercier, J.** (2004). N400 measures of auditory word repetition and translation priming in bilinguals. *Psychophysiology*, *41*, S83. [Poster presented at the 44<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 20-24, 2004, Santa Fe, NM, USA.]
- Phillips, N.A., Mercier, J., & Klein, D.** (2004). Semantic priming within and across languages: An auditory ERP study in bilinguals. *Psychophysiology*, *41*, S83. [Poster presented at the 44<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 20-24, 2004, Santa Fe, NM, USA.]
- Ullsperger, M., Brass, M., Knösche, T., & **Phillips, N.A.** (2004). Timing of task-set reconfiguration in frontal and parietal cortices. *Psychophysiology*, *41*, S51. [Poster presented at the 44<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 20-24, 2004, Santa Fe, NM, USA.]
- O'Brien, I., **Phillips, N.A.**, Segalowitz, N., & Yamasaki, N. (2003). Variability in the N400 reflects automaticity of semantic priming in a second language. *Psychophysiology*, *40*, S64. [Presentation at the 43<sup>rd</sup> meeting of the Society for Psychophysiological Research, October 29-November 2, 2003, Chicago, IL, USA.]
- Auchterlone, S. & Phillips, N.A.** (2002). The nature of naming deficits in DAT patients: Evidence from a semantic battery. *Journal of the International Neuropsychological Society*, *8*, 194-195.
- Phillips, N.A., & Grigorova, M.** (2000). Impact of working memory load on reading and listening to sentences: An ERP study. *Psychophysiology*, *37*, S79. [Presentation at the 40<sup>th</sup> meeting of the Society for Psychophysiological Research, October 18-22, 2000, San Diego, CA, USA.]
- Phillips, N.A., Poulsen, C., & Segalowitz, N.** (2000). Event-related brain potential measures of task set switching. *Psychophysiology*, *37*, S79. [Presentation at the 40<sup>th</sup> meeting of the Society for Psychophysiological Research, October 18-22, 2000, San Diego, CA, USA.]
- Segalowitz, N., Taube, M., & Phillips, N. (2000). Differentiating mechanisms of cognitive control: results from a new modification to the AX-CPT. *Abstracts of the Psychonomic Society*, *5*, 40. [Presentation at the Annual Meeting of the Psychonomic Society, November 16-19, 2000, New Orleans, LA, USA.]
- Phillips, N.A., Chertkow, H., LeBlanc, M., Awad, N., Pim, H., & Murtha, S.** (1999). Functional (ERP) and structural (MRI) measures of memory dysfunction in Alzheimer's disease and Parkinson's disease. *International Journal of Psychophysiology*, *33*, 83-84. [Presentation at the 12<sup>th</sup> International Conference on Event-Related Potentials of the Brain. July 19-23, 1998, Boston, MA, USA.]
- Phillips, N.A., and Hooper, R.** (1997). Short-term memory for visuospatial and verbal material in the elderly: An ERP study. *Psychophysiology*, *34*, S71. [Presentation at the 37<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 15-19, 1997, Cape Cod, MA, USA.]
- Phillips, N., and Mate-Kole, C.** (1996). Neuropsychological function in peripheral vascular disease (PVD). *Journal of the International Neuropsychological Society*, *2*, 64. [Presentation at the Annual Meeting of the International Neuropsychological Society, February 14-17, 1996, Chicago, IL, USA.]
- Connolly, J.F., **Phillips, N.A.**, Forbes, K.A.K., & Dywan, C.A. (1995). Probability effects on ERP components in speech processing and reading. *Psychophysiology*, *32*, S24. [Presentation at the 35<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, October 11-15, 1995, Toronto, ON, Canada.]

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- Phillips, N.A.**, & McGlone, J. (1993). Few cognitive abilities change following temporal lobectomy. *The Clinical Neuropsychologist*, 7, 338.
- Phillips, N.A.**, Connolly, J.F., Eskes, G.A., & Mate-Kole, C.C. (1990). ERP differences associated with recall memory in young and old adults. *Psychophysiology*, 27(4A), 55.
- Connolly, J.F., **Phillips, N.A.**, & Teehan, M. (1989). Evidence for subcortical abnormalities in schizophrenia. *Canadian Psychology*, 30, 501.
- Connolly, J.F., **Phillips, N.A.**, & Stewart, S.H. (1988). Neurophysiological manifestations of linguistic processing. *Canadian Psychology*, 29, 151.

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### Conference Presentations

- Honda, C. T., Gilbert, A. C., **Phillips, N. A.**, & Baum, S. R. (2020). *Electrophysiological correlates of lexical stress perception in bilinguals*. Paper presented at the *12th International Seminar on Speech Production*, Providence, RI, December 14-17, 2020.
- Gilbert, A., C., Gullifer, J., Wolpert, M., Saito, H., Kousaie, S., Itzhak, I., Gracco, V.L., Klein, D., **Phillips, N.A.**, Titone, D., Baum, S.R. (2019). Language dominance and entropy as predictors of word segmentation cue production in bilinguals. Talk presented at the *60<sup>th</sup> Annual Meeting of the Psychonomic Society*, November 14-17, Montreal, QC, Canada.
- Grant A., Kousaie, S., Coulter, K., Baum, S., Gracco, V., Klein, D., Titone, D., & **Phillips, N.A.** (2019). From structure to function: A multimodal analysis of bilingual speech in noise processing. Talk presented at the *11th Annual Meeting of the Society for the Neurobiology of Language*, Helsinki, Finland, August 20-22, 2019.
- Gullifer, J., Kousaie, S., Gilbert, A., Giroud, N., Grant, A., Coulter, K., Klein, D., Baum, S., Phillips, N.A., Titone, D. (2019). Language entropy: A novel quantification of language experience among bilinguals. Poster presented at the *11th Annual Meeting of the Society for the Neurobiology of Language*, Helsinki, Finland, August 20-22, 2019.
- Kousaie, S., Baum, S., **Phillips, N.A.**, Gracco, V., Titone, D., Chen, J.K., & Klein, D. (2019). The impact of language learning experience on phonological working memory: A functional magnetic resonance imaging study. Poster presented at the *11th Annual Meeting of the Society for the Neurobiology of Language*, Helsinki, Finland, August 20-22, 2019.
- Kousaie, S., Baum, S., **Phillips, N.A.**, Gracco, V., Klein, D., Titone, D., Chen, J.K., & Klein D. (2018). The influence of bilingual language experience on verbal fluency and brain structure and function. Poster presented at the *10<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language*, August 16-18, 2018, Quebec City, QC, Canada.
- Kousaie, S., Baum, S., **Phillips, N.A.**, Gracco, C., Titone, D., Chen, J-K., Chai, X.J., & Klein, D. (2018). Evidence from multi-modal neuroimaging for the importance of bilingual language experience on brain structure and function. Talk presented at the *Society for the Neurobiology of Language Satellite Symposium "The Bilingual Brain: A lifelong perspective"*, August 15, Quebec City, QC, Canada.
- Bruce, H., Bherer, L., Campos, J., Gagne, J.P., Phillips, N., Pichora-Fuller, M.K., St-Onge, N., & Li, K.Z.H. (2018). The role of cognition in hearing loss and mobility among older adults with age-related hearing loss. Poster presented at the *2018 Cognitive Aging Conference*, Atlanta, Georgia, USA, May 3-6, 2018.
- Phillips, N., Fogarty, J., Best, S., Borrie, M., DiProspero, C., Mohades, Z., Parent, A., Whitehead, V., & Chertkow, H. (2018). Overview of the neuropsychology battery of the Canadian Consortium for Neurodegeneration in Aging (CCNA) COMPASS-ND study. Poster presented at the *2018 Cognitive Aging Conference*, Atlanta, Georgia, USA, May 3-6, 2018.
- Kousaie, S., Baum, S., Phillips, N.A., Gracco, V., Titone, D., Chen, J.K., Chai, X.J., & Klein, D. (2017). Speech perception in noise in a native and a second language: A functional magnetic resonance imaging (fMRI) investigation. Poster presented at the *9th Annual Meeting of the Society for the Neurobiology of Language*, Baltimore, MA, USA, November 8-10.

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- Kousaie, S., Baum, S., Phillips, N.A., Gracco, V., Titone, D., Chen, J.K., Chai, X.J., & Klein, D. (2017). L'effet de l'expérience linguistique sur la perception de la parole dans le bruit dans les deux langues des bilingues. Talk presented at the *85e Congrès de L'Association Francophone pour le Savoir*, May 8-12, Montreal, QC, Canada.
- Phillips, N.A., Coulter, K., Gonzalez, B., René, J-L., Covey, A., Gilbert, A., Kousaie, S., Titone, D., Baum, S., Klein, D., & Gracco, V. (2017). L'influence du contenu et de la compétence linguistique sur le traitement de phrases dans le bruit chez les bilingues. Talk presented at the *85e Congrès de L'Association Francophone pour le Savoir*, May 8-12, Montreal, QC, Canada.
- Kousaie, S., Fleming, D., Baum, S., Phillips, N.A., Titone, D., & Klein, D. (2016). The effect of language experience on speech perception in noise: a functional magnetic brain imaging investigation. Talk presented at the *3rd edition of VocUM*, November 23-24, Montreal, QC, Canada.
- Williams, C., Covey, A., Kousaie, S., & Phillips, N.A. (2016). Perception du discours avec un bruit de fond chez les personnes bilingues. Poster presented at the *84e Congrès de L'Association Francophone pour le Savoir*, Montreal, QC, Canada, May 9-13.
- Duncan, H. D., Nikelski, J., Pilon, R., Whitehead, V., Chertkow, H., & **Phillips, N. A.** (2016). Neuroanatomical evidence of multilingualism's contribution to brain and cognitive reserve in mild cognitive impairment and Alzheimer disease. Oral presentation at the *2016 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 14-17, 2016.
- Al-Yawer, F., **Phillips, N.**, DeBoysson, C., Mellah, S., and Belleville, S. (2016). The Impact of Cognitive Training on Brain Electrophysiology and Divided Attention in Healthy Older Adults. Poster presented at the *2016 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 14-17, 2016.
- Chauvin, A., and **Phillips, N.A.** (2015). Cognitive Control Mechanisms In Bilinguals: Is It All The Same? Poster presented at the *Workshop on Bilingualism and Executive Function: An Interdisciplinary Approach*. May 18-19, 2015, CUNY Graduate Centre, New York, New York, USA.
- Duncan, H.D., Nikelski, J., Pilon, R., Whitehead, V., Chertkow, H., and **Phillips, N.A.** (2015). Multilingualism and cognitive reserve: Evidence from cortical thickness and tissue density. Poster presented at the *Workshop on Bilingualism and Executive Function: An Interdisciplinary Approach*. May 18-19, 2015, CUNY Graduate Centre, New York, New York, USA.
- Kousaie, S., Baum, S., **Phillips, N.A.**, Gracco, V., Titone, D., Chen, J-K., & Klein, D. (2015). The effect of bilingual language experience on speech perception in noise in a native and second language. Poster presented at the *Montreal Bilingual Brain Initiative Symposium: Multiple Perspectives on Bilingualism and the Brain*, Montreal, QC, Canada, May 28-29.
- Phillips, N.A.**, Ratnarajah, A.S., Powell, G., Cicione, S., DeBoysson, C., Mellah, S., and Belleville, S. (2014). The effect of cognitive training on divided attention and EEG coherence in healthy older adults. Poster presented at the 2014 Cognitive Aging Conference, Atlanta, Georgia, USA, April 3-6, 2014.
- Phillips, N.A.**, Hebert, M., Modlin, L., Pagen, L., Chauvin, A. (2014). Audio-visual speech stimuli facilitate sentence processing as a function of working memory and age. Poster presented at the 2014 Cognitive Aging Conference, Atlanta, Georgia, USA, April 3-6, 2014.

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- Duncan, H.D., Kousaie, S., & **Phillips, N.** (2014). EEG coherence and executive functions in younger and older monolinguals and bilinguals. Poster presented at the 2014 Cognitive Aging Conference, Atlanta, Georgia, USA, April 3-6, 2014.
- Taler, V., Kousaie, S., & Phillips, N.A. (2014). The relationship between codeswitching behaviour and neuropsychological performance in older adults. Poster presented at the 2014 *Cognitive Aging Conference*, Atlanta, GA, USA, April 3-6, 2014.
- Duncan, H.D., Pilon, R., Whitehead, V., Chertkow, H., & **Phillips, N.** (2013). Does multilingualism contribute to cognitive reserve in MCI: Evidence from MRI cortical thickness. Poster presented at the *23<sup>rd</sup> Annual Rotman Research Institute Conference*, Toronto, ON, March 4-6, 2013.
- Duncan, H.D., Pilon, R., Whitehead, V., Chertkow, H., & **Phillips, N.** (2013). Does multilingualism contribute to cognitive reserve? Oral presentation at Centre for Research on Brain, Language, and Mind DataStorm, Montreal, QC., October 4th, 2013.
- Phillips, N.A.**, Johns, E.K., & Powell, G. (2012, June). Working memory in patients with amnesic mild cognitive impairment: An event-related brain potential study using the n-back task. Poster presented at the *Canadian Psychology Association's (CPA) 73<sup>rd</sup> Annual Convention*, Halifax, Nova Scotia, Canada.
- Duncan, H.D., Segalowitz, N., McHenry, C., & **Phillips, N.A.** (2012, May). Le bilinguisme, le vieillissement, et le contrôle attentionnel spécifique au langage. Poster presented at the *80e Congrès de L'Association Francophone pour le Savoir (ACFAS)*, Montreal, Quebec, Canada.
- Kousaie, S., & **Phillips, N.A.** (2012, May). L'effet du bilinguisme sur le contrôle cognitif chez les adultes âgés varie en fonction de la tâche. Poster presented at the *80e Congrès de L'Association Francophone pour le Savoir (ACFAS)*, Montreal, Quebec, Canada.
- Phillips, N.A.**, Leshunskaya, A., Klein, D., & Segalowitz, N. (2012, May.) La commutation de langue et la commutation de tâches : des mécanismes cérébraux communs ou distincts? Poster presented at the *80e Congrès de L'Association Francophone pour le Savoir (ACFAS)*, Montreal, Quebec, Canada.
- Kousaie, S., & Phillips, N.A. (2012, February). Bilingualism and cognitive control in healthy aging. Poster presented at the *International Neuropsychological Society (INS) 40th Annual Meeting*, Montreal, Quebec, Canada.
- Falk, T.H., Trambaiolli, L., Fraga, F., Anghinah, R., & Phillips, N. (2011, October). Quantitative evidence of EEG amplitude modulation changes in Alzheimer's Disease: Implications for early detection and treatment outcome measurement. Poster presented at the *Canadian Conference on Dementia (CCD)*, Montreal, QC, Canada.
- Frtusova, J. B., Duncan, H. D., Chertkow, H., Nasreddine, Z., & Phillips, N. A. (2011). Different Factor Structure of the MoCA in Normal Aging, Mild Cognitive Impairment, and Alzheimer disease. Poster presented at the *6th Canadian Conference on Dementia*, October 27th–29th, Montreal: Quebec.
- Johns, E. K., Davies, S., & Phillips, N. A. (2011, July). Functional Neural Mechanisms Underlying Executive Functioning in Mild Cognitive Impairment and Alzheimer's Disease: An EEG Coherence Study. Poster presented at the *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France.

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- Chertkow, H., Phillips, N., Nasreddine, Z., Johns, E., Whitehead, V., McHenry, C., Bishundayal, S., Solomon, S., Desormeau, J. (2011, July). The Montreal Cognitive Assessment (MoCA): Validation of Alternate Forms and New recommendations for Education Corrections. Poster presented at the *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France.
- Baranyaiova Frtusova, J., Winneke, A., and Phillips, N.A. (2011). Auditory-visual speech enhances working memory performance in younger and older adults. Poster presented at the 2011 Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 2-5, 2011. Pg. 158-159.
- Johns, E. K., Davies, S., & Phillips, N. A. (2011, June). Differences in the Relationship Between EEG Coherence and Working Memory Performance in Young Adults and High and Low Performing Older Adults. Poster presented at the 21st annual meeting of the *Canadian Society of Brain, Behaviour and Cognitive Science*, Winnipeg, MB.
- Kousaie, S., and Phillips, N.A. (2011). Conflict monitoring and resolution: Are two languages better than one? Evidence from reaction time and event-related brain potentials. Poster presented at the 8<sup>th</sup> International Symposium on Bilingualism (ISB8). June 15-18, Oslo, Norway.
- Duncan, H., McHenry, C., Segalowitz, N. and Phillips, N.A. (2011). Bilingualism, aging, and language-specific attention control. Poster presented at the 8<sup>th</sup> International Symposium on Bilingualism (ISB8). June 15-18, Oslo, Norway.
- Leshinskaya, A., Klein, D., and Phillips, N.A. (2010). The neural signatures of switching language and switching task. Poster presented at the 2<sup>nd</sup> Annual Neurobiology of Language Meeting, San Diego, California, November 11-12, 2010.
- Anderson, K. G., Dugas, M. J., Koerner, N., Radomsky, A., & Phillips, N. (2010, November). Appraisals of ambiguous information: Can GAD be distinguished from other anxiety disorders? *Association for Behavioral and Cognitive Therapies*, San Francisco, California.
- Davies, S., Johns, E. K., & Phillips, N. A. (2010). Executive function and EEG coherence in younger and older adults. Poster presented at the 20<sup>th</sup> annual meeting of the *Canadian Society of Brain, Behaviour and Cognitive Science*, Halifax, Nova Scotia, June 11th-13th, 2010.
- Duncan, H. D., Karpowicz, L., Segalowitz, N., & Phillips, N.A. (2010). Bilingualism and language-specific attention control. Poster presented at the 20<sup>th</sup> annual meeting of the *Canadian Society of Brain, Behaviour and Cognitive Science*, Halifax, Nova Scotia, June 11th-13th, 2010.
- Baranyaiova Frtusova, J., Winneke, A., and Phillips, N.A. (2010). Relationship between auditory visual speech and working memory capacity in younger adults. Poster presented at the 32<sup>nd</sup> *Groupe de recherche sur le système nerveux central (GRSNC) International Symposium: Enhancing performance for action & perception - Multisensory integration, neuroplasticity & neuroprosthetics*, Montréal, Québec, May 10-11 2010.
- Duncan, H. D., Karpowicz, L., Segalowitz, N., & Phillips, N.A. (2010). Language-specific attention control in aging. Poster session presented at the Centre for Research on Language, Mind and Brain Research Day, Montreal, QC. [Date: May 7th, 2010]
- Dupuis, K., Phillips, N.A., Boodhoo, K., & Pichora-Fuller, K. (2010). Age-related differences in context use in intact and distorted speech: An electrophysiological investigation. Poster presented at the 17<sup>th</sup> *Annual Cognitive Neuroscience Society Meeting*, Montréal, Québec, April 17-20, 2010.

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- Dwivedi, V.D., **Phillips, N.A.**, and Baum, S.R. (2010). A late P600: Evidence of NP interpretation beyond feature checking. Poster presented at the *17<sup>th</sup> Annual Cognitive Neuroscience Society Meeting*, Montréal, Québec, April 17-20, 2010.
- Deschamps, I., Tremblay, P., **Phillips, N.**, Baum, S. and Gracco, V. (2010). Neural correlates of phonological and semantic priming. Poster presented at the *17<sup>th</sup> Annual Cognitive Neuroscience Society Meeting*, Montréal, Québec, April 17-20, 2010.
- Phillips, N.A.**, Gagné, J.-P., Basu, M., Copeland, L., Gosselin, P., Winneke, A., Chan, J., and Bishundayal, S. (2010). The role of sensory and cognitive factors in audio-visual speech perception in younger and older adults. Talk presented at the plenary session on speech perception at the *2010 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 15-18, 2010.
- Frtusova, J., Winneke, A., and **Phillips, N. A.** (2010). The effect of audio-visual speech information on working memory in younger and older adults. Poster presented at the *2010 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 15-18, 2010.
- Duncan, H.D., Karpowicz, L., Segalowitz, N., & **Phillips, N.A.** (2010). Language-specific attention control in aging. Poster presented at the *2010 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 15-18, 2010.
- Kousaie, S., and Phillips, N.A. (2010). Aging and lexical ambiguity resolution: Is there an advantage to being bilingual? Poster presented at the *2010 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 15-18, 2010.
- Johns, E.K., **Phillips, N.A.**, Nasreddine, Z., Chertkow, H., Bergman, L., Solomon, S. & Desormeau, J. (2010). Level of education and performance on the Montreal Cognitive Assessment (MoCA): New recommendations for education corrections. Poster presented at the *2010 Cognitive Aging Conference*, Atlanta, Georgia, USA, April 15-18, 2010.
- Leshinskaya, A., Chen, J.-K., Phillips, N. A., & Klein, D. (2009, May). *An fMRI and ERP investigation of word form and meaning representation in bilinguals*. Poster presented at Neuropsychology Day, Montreal Neurological Institute, McGill University, Montreal, Canada.
- Winneke, A.H. & **Phillips, N.A.** (2009). Electrophysiology of audio-visual speech perception in young and older adults. Poster presented at the *10th Annual meeting of the International Multisensory Research Forum (IMRF)*, New York City, June 29 - July 2, 2009.
- Winneke, A.H. & **Phillips, N.A.** (2009). Seeing lips helps young and old to process speech more efficiently. Poster presented at the *7th Annual Research Meeting of the CIHR Strategic Training Grant on Communication and Social Interaction in Healthy Aging*, February 18-22, 2009, Banff, Alberta.
- Phillips, N.A.**, Gagné, J.-P., Basu, M., Copeland, L., Gosselin, P., Saint-Pierre, A., Winneke, A. (2009). Audio-visual speech perception in younger and older adults. Poster presented at the *7th Annual Research Meeting of the CIHR Strategic Training Grant on Communication and Social Interaction in Healthy Aging*, February 18-22, 2009, Banff, Alberta.
- Winneke, A.H. & **Phillips, N.A.** (2008). Investigation of event-related brain potentials of audio-visual speech perception in background noise. *9th International Multisensory Research Forum*, July 16th - 19th, Hamburg, Germany.
- Dupuis, K., **Phillips, N.A.**, & Pichora-Fuller, K. (2008). An Electrophysiological Investigation of Context use in Intact and Distorted Speech. Poster presented at the *15<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*. April 12-15, San Francisco, CA, USA.

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- Kousaie, S., and Phillips, N.A. (2008). Age-related differences in interlingual priming: An electrophysiological and behavioural investigation. Poster presented at the *15<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*. April 12-15, San Francisco, CA, USA.
- de Boysson, C., Belleville, S., Souchay, C., Phillips, N. A., & Johns, E. K. (2008). False Recognition in Age-Related Neurodegenerative Diseases. Poster presented at the *13<sup>th</sup> Annual Cognitive Aging Conference*, April, Atlanta, GA, USA.
- Winneke, A.H. & Phillips, N.A. (2008). Assessing multisensory interactions during audio-visual speech perception using ERP. Poster presented at the *Annual Meeting of the CIHR Strategic Research Training Program* in "Communication and Social Interaction in Healthy Aging, February 20- 23, Banff, AB, Canada.
- Winneke, A.H. & Phillips, N.A. (2008). Assessing multisensory interactions during audio-visual speech perception using ERP. Poster presented at the *Annual Conference of the Center for Research in Human Development* at Concordia University, February 14-15, Montreal, QC, Canada.
- Johns, E. K., Phillips, N. A., Belleville, S., Goupil, D., Babins, L., Kelner, N., Ska, B., Gilbert, B., Inglis, G., Massoud, F., Panisset, M., de Boysson, C., & Chertkow, H. (2008). Disproportionate deficits in inhibitory control: Profile of executive functioning in mild cognitive impairment. Paper presented at the *4<sup>th</sup> annual meeting of the Centre for Research in Human Development*, February, Montreal, QC, Canada.
- Winneke, A.H. & Phillips, N.A. (2008). Assessing multisensory interactions during audio-visual speech perception using ERP. Poster presented at the *Center for Research of Language, Mind and Brain(CRLMB) Annual Research Day*, February 4, Montreal, QC, Canada.
- O'Brien, I., Titone, D., McFarland, D., Palmer, C., Phillips, N., Jamrozik, A., & Jewitt, L. (2007). Working Memory and Oral Fluency during Spontaneous Language Production. Paper presented at the 48th Psychonomic Society Meeting, Long Beach, CA.
- Dupuis, K., Phillips, N.A., & Pichora-Fuller, K. (2007). Using Context to Improve Comprehension of Intact and Distorted Speech in Younger and Older Adults. Poster presentation at the *Aging and Speech Communication research conference*, October, Bloomington, IN, USA.
- Phillips, N.A., Masse, M., Rybnikar, L., Kousaie, S., and Taylor, V.** (2007). The effect of word form and word meaning on processing written and spoken words in a first and second language: An event-related brain potential study. Poster presented at the *3<sup>rd</sup> Annual Rovereto Workshop on Bilingualism: Phonological processing in bilingual speech production and perception*. University of Trento, September 20-23, Rovereto, Italy.
- Taler, V., & Phillips, N.A.(2007). Event-related potential measures of lexical activation in Alzheimer's disease. Poster presented at the *45<sup>th</sup> Annual Meeting of the Academy of Aphasia*, October, Washington, DC, USA.
- Johns, E., Phillips, N.A. (2007). Neuropsychological differentiation of mild cognitive impairment, frontotemporal dementia, and Lewy body dementia. Poster presented at the *Biennial Conference on Theoretical & Experimental Neuropsychology*, June. 21-23, Montreal, QC, Canada.
- Winneke, A.H. & Phillips, N.A. (2007). Brain processes underlying the integration of audio-visual speech and non-speech information. Poster presented at the *Biennial Conference on Theoretical & Experimental Neuropsychology*, June 21- 23, Montreal, QC, Canada.



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- Taler, V., Klepousniotou, E., & **Phillips, N.A.** (2007). Lexical ambiguity processing in healthy aging and mild cognitive impairment: an ERP study. Poster presented at *TENNET*, June, Montreal, QC, Canada.
- Taler, V., & **Phillips, N.A.** (2007). ERP evidence for early effects of neighborhood density in word recognition. Presented at the *14<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*. May 5-8, New York, NY, USA.
- Chertkow, H., Panisset, M., Inglis, G., Massoud, F., Nasreddine, Z., **Phillips, N.**, & Belleville, S. (2007). Contrasting patterns of neuropsychiatric and functional impairment in Lewy Body dementia and Frontotemporal dementia. *8th International Conference AD/PD*. March 14-18, Salzburg, Austria.
- Copeland, L. S., Phillips, N. A., Gagne, J. P. & Basu, M. (2007). Perceptual and cognitive mechanisms of audio-visual speech processing in aging. Poster presented at the *12th Annual McGill Division of Geriatric Medicine Research Day*, April, Montreal, QC, Canada.
- Kousaie, S., & Phillips, N. A. (2007). Age-related differences in interlingual priming: A behavioural and electrophysiological investigation. Poster presented at the *12th Annual McGill Division of Geriatric Medicine Research Day*, April, Montreal, QC, Canada.
- Winneke, A.H. & **Phillips, N.A.** (2007). Brain processes underlying the integration of audio-visual speech and non-speech information. Oral presentation at the *Annual Meeting of the CIHR Strategic Research Training Program* in "Communication and Social Interaction in Healthy Aging", February, Montreal, QC, Canada.
- Winneke, A., & **Phillips, N.A.** (2007). An ERP study of audio-visual integration of environmental objects in humans. Poster presented at the *Annual Conference of the Center for Research in Human Development* at Concordia University, February 8 -9, Montreal, QC, Canada.
- Chertkow, H., **Phillips, N.**, Belleville, S., Nasreddine, Z., Verret, L., Panisset, M., Massoud, F., & Inglis, G. (2007). Anomia and its origins in Lewy Body dementia and Frontotemporal dementia. *8th International Conference AD/PD*. March 14-18, Salzburg, Austria.
- Thivierge, J.P., & Phillips, N. (2007). Automatic Component Detection of Event-Related Potentials Using Functional Data Analysis. Poster presented at the *14<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*. May 5-8, New York, NY, USA.
- Kousaie, S., & Phillips, N. A. (2007). Age differences in Stroop interference in monolinguals and French-English bilinguals. Presented at the *Annual Research Symposium of the Canadian Institutes for Health Research Strategic Research Training Program*, "Communication and Social Interaction in Healthy Aging", February, Orford, QC, Canada.
- Copeland, L. S., Phillips, N. A., Gagne, J. P. & Basu, M. (2006). Perceptual and cognitive mechanisms of audio-visual speech processing in aging. Poster presented at the *Centre for Research on Language, Mind and Brain Student Research Day*, December, Montreal, QC, Canada.
- Winneke, A.H., & **Phillips, N.A.** (2006). An ERP study of audio-visual integration of environmental objects in humans. Poster presented at the *36<sup>th</sup> Annual Meeting of the Society for Neuroscience*, Oct.14-18, Atlanta, GA, USA.
- Dwivedi, V., **Phillips, N.A.**, Einagel, S., & Baum, S. (2006). An electrophysiological investigation of quantificational ambiguity. Poster presented at the *5th International Conference on the Mental Lexicon*, October 11-13, Montreal, QC, Canada.
- Kousaie, S., & Phillips, N. A. (2006). Age-related differences in interlingual priming: A behavioural and electrophysiological investigation. Poster presentation at the *5th International Conference on the Mental Lexicon*, October 11-13, Montreal, QC, Canada.

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- Taler, V., Kousaie, S., & Phillips, N. (2006). Processing of conceptual combinations in healthy aging and mild cognitive impairment. Poster presentation at the *5th International Conference on the Mental Lexicon*, October 11-13, Montreal, QC, Canada.
- Chertkow, H., Duong, A., **Phillips, N.**, Bergman, H., Babins, L., & Kelner, N. (2006). Mild Cognitive Impairment – The danger of basing the diagnosis on published normative groups. *10th International Conference on Alzheimer's Disease and Related Disorders*, July 15-20, Madrid, Spain.
- Sinai, M., Phillips, N.A., & Goffaux, P. (2006). Task difficulty effects on backward inhibition. Symposium presentation at the *Canadian Society for Brain, Behaviour, and Cognition Conference*. June 22-24, Saskatoon, SK, Canada.
- Goffaux, P., Phillips, N., Sinai, M., Pushkar, D. (2006). Failing to prepare: How working memory affects age-related changes in task switching performance and electrical brain activity. Talk presented at the *16th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*, June 22-24, Saskatoon, SK, Canada.
- Cameli, L., Phillips, N.A., Kousaie, S., Dwivedi, V., Panisset, M. & Nasreddine, Z. (2006). The effect of aging and age-related diseases on first and second language narratives. Poster presented at the *11th Biennial Cognitive Aging Conference*, April 20-23, Atlanta, GA, USA.
- Goffaux, P., Phillips, N.A., Sinai, M., & Pushkar, D. (2006). Failing to prepare: How working memory affects age-related changes in task switching performance and electrical brain activity. Poster presented at the *11th Biennial Cognitive Aging Conference*, April 20-23, Atlanta, GA, USA.
- Kousaie, S. & Phillips, N.A. (2006). Age differences in stroop interference in monolinguals and French-English bilinguals. Poster presented at the *11th Biennial Cognitive Aging Conference*, April 20-23, Atlanta, GA, USA.
- Sinai, M., Phillips, N.A. & Chertkow, H. (2006). Effects of age and mild cognitive impairment on covert attention. Poster presented at the *11th Biennial Cognitive Aging Conference*, April 20-23, Atlanta GA, USA.
- Sinai, M., Phillips, N.A., & Chertkow, H. (2006). Set switching ability is associated with different cognitive profiles in patients with mild cognitive impairment. Poster presented at the *11th Biennial Cognitive Aging Conference*, April 20-23, Atlanta GA, USA.
- Taler, V., & Phillips, N.A. (2006). An ERP study of sentence processing in MCI: The effects of neighborhood density and congruency. Poster presented at the *11th Biennial Cognitive Aging Conference*, April 20-23, Atlanta, GA, USA.
- Montero-Odasso, M.M., Bergman, H., **Phillips, N.A.**, Wong, C., Sourial, N., & Chertkow, H. (2006). Slow gait velocity is associated with executive and memory dysfunction in subjects with Mild Cognitive Impairment. Poster presented at the *International Congress on Gait & Mental Function*, February 3-5, Madrid, Spain.
- Montero-Odasso, M.M., Bergman, H., **Phillips, N.A.**, Wong, C., Sourial, N., & Chertkow, H. (2006). Effect of executive and memory dysfunction on gait performance in a mild cognitive impairment population. Poster presented at the *American Geriatrics Society Meeting*, May 3-7, Chicago, IL, USA.
- Kousaie, S. and Phillips, N.A. (2005). Bilingualism and aging: Electrophysiological and behavioural measures of interlingual priming. Poster presented at the *Ninth International Conference on Cognitive Neuroscience (ICON9)*, September, Cubanacan Playa, Cuba.

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- Auchterlonie, S., Phillips, N.A., & Saumier, D. (2005). Effects of categorical and featural encoding cues on proactive interference. Poster presented at the *Annual Meeting of the American Psychological Association*, August, Washington, DC, USA.
- Phillips, N.A., & Matousek, R.** (2005). The effects of phonological noise on speech processing and working memory in younger and older adults. Paper presented at the symposium on "An updated view of working memory constraints on language, (D. Titone, chair) at the *15<sup>th</sup> Annual Conference of the Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)*, July 14-17, Montreal, QC, Canada.
- Dwivedi, V., **Phillips, N., Laguë-Beauvais, M., & Baum, S.** (2005). The interface of syntax, semantics and psycholinguistics: an investigation of operator scope. Paper presented at the *24<sup>th</sup> meeting of the West Coast Conference on Linguistics*, Simon Fraser University, March, Vancouver, BC, Canada.
- Cameli, L., Phillips, N.A., Koussaie, S., & Panisset, M. (2005). Memory and Language in Bilingual Alzheimer and Parkinson Patients: Insights from Verb Inflection. Presented at the *16<sup>th</sup> Annual conference on Theoretical and Experimental Neuropsychology, TENNET XVI*, June, Montreal, QC, Canada.
- Sinai, M., & Phillips, N.A. (2005). Mild cognitive impairment and task switching: ERP and behavioural measures. Poster presented at the *Annual Meeting of the Cognitive Neuroscience Society*, April 9-12, New York, NY, USA.
- Dwivedi, V., **Phillips, N.A., Laguë-Beauvais, M. & Baum, S.** (2005) An electrophysiological investigation of on-line discourse comprehension. Poster presented at the *Annual Meeting of the Cognitive Neuroscience Society*, April 9-12, New York, NY, USA.
- Nasreddine, Z.S., Chertkow, H., **Phillips, N.A.**, Whitehead, V., Collin, I., & Cummings, J.L. (2004). The Montreal Cognitive Assessment (MoCA): A Brief Cognitive Screening Tool for Detection of Mild Cognitive Impairment. Poster presented at the *56<sup>th</sup> American Academy of Neurology Annual Meeting*, April 24- May 1, San Francisco, CA, USA.
- Sinai, M., & Phillips, N.A. (2004). Behavioural and ERP effects of recently performed tasks in a task-switching experiment. Presented at the *10<sup>th</sup> Biennial Cognitive Aging Conference*, April 1-4, Atlanta, GA, USA.
- Levinoff, E.J., **Phillips, N.A.**, Verret, L., Babins, L., Kelner, N., Akerib, V., & Chertkow, H. (2004). Cognitive estimation in older adults and patients with Alzheimer's Disease and mild cognitive impairment. Poster presented at the *10<sup>th</sup> Biennial Cognitive Aging Conference*, April 1-4, Atlanta, GA, USA.
- Nasreddine, Z.S., Chertkow, H., **Phillips, N.A.**, Bergman, H., Whitehead, V., & Collin, I. (2003). Sensitivity and specificity of the Montreal Cognitive Assessment (MOCA) as a cognitive screening tool for detection of mild cognitive deficits. Presented at the *38<sup>th</sup> Meeting of the Canadian Congress of Neurological Sciences*, June 19-22, Québec City, QC, Canada.
- Blanchet, S., Belleville, S., **Phillips, N.**, Mellah, S., Gauthier, S., and Chertkow, H. (2003). Electrophysiological study of working memory in mild cognitive impairment patients. (2003). Presented at the *13<sup>th</sup> Annual Conference of the Rotman Research Institute*, March 17-18, Toronto, ON, Canada.
- Dugas, M. J., Hedayati, M., Karavidas, A., Buhr, K., Francis, K., & Phillips, N. (2002). Intolerance of uncertainty and information processing: Implications for etiological models of Generalized Anxiety Disorder. In: *Information processing in Social Phobia and Generalized Anxiety*

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Disorder: New approaches to old questions. Symposium presented at the *Annual Meeting of The Association for Advancement of Behavior Therapy*, Reno, NV, November, 2002.

- Phillips, N.A., & Ingenito, L.** (2002). Electrical brain activity during homograph reading: Effects of working memory capacity. Presented at the *8<sup>th</sup> International Conference on Cognitive Neuroscience (ICON8)*, September 9-15, Porquerolles Island, France.
- Goffaux, P., Phillips, N.A., Pushkar, D., & Sinai, M.** (2002). Electrical brain activity associated with backwards inhibition during task switching. Presented at the *Eight International Conference on Cognitive Neuroscience (ICON8)*, September 9-15, Porquerolles Island, France.
- Akerib, V. & Phillips, N.A.** (2002). Age differences in problem solving using a transitive inference task. Presented at the *9<sup>th</sup> Biennial Cognitive Aging Conference*, April 18-21, Atlanta, GA, USA.
- Sinai, M., & Phillips, N.A.** (2002). Age and task difficulty effects on task-switching: an ERP study. Presented at the *9<sup>th</sup> Biennial Cognitive Aging Conference*, April 18-21, Atlanta, GA, USA.
- Nasreddine, Z.S., Collin, I., Hebert, L., Chertkow, H., Cummings, J.L., & **Phillips, N.A.** (2002). Sensitivity and specificity of the Brief Cognitive Inventory (BCI) as a cognitive screening tool for detection of mild cognitive deficits. Presented at the *54th Annual Meeting of the American Academy of Neurology*, April, Denver, CO, USA.
- Verret, L., Levinoff, E., **Phillips, N.**, Babins, L., Kelner, N., Bergman, H., & Chertkow, H. (2001). A Cognitive Estimation Test for Memory Impaired Subjects. Presented at the *First Canadian Colloquium on Dementia*, October 11-13, Toronto, ON, Canada.
- Karavidas, A., Dugas, M. J., Buhr, K., & Phillips, N. (2001). Intolerance of uncertainty and information processing bias. Presented at the *Association for Advancement of Behavior Therapy*, November, Philadelphia, PA, USA.
- Phillips, N.A., and Matousek, R.** (2001). Brain activity during speech comprehension: The impact of age and working memory. Presented at the *5<sup>th</sup> International Conference on Communication, Aging, and Health*, June 29-July 2, Vancouver, BC, Canada.
- Auchterlonie, S., Phillips, N.A., and Chertkow, H.** (2001). Electrophysiological studies of semantic memory impairments in Alzheimer's disease: Failure of access or loss of knowledge? Poster presented at the *12th Annual conference on Theoretical and Experimental Neuropsychology, TENNET XII*, June, Montreal, QC, Canada.
- Poulsen, C., Luu, P., Tucker, D., Speiser, A., Segalowitz, N., **Phillips, N.**, & Davey, C. (2001). Do task switching and inhibition recruit distinct control mechanisms? Evidence from dense-array event-related potentials. Poster presented at the *Banff Annual Seminar in Cognitive Science*, May, Banff, AB, Canada.
- Phillips, N.A., Arbuckle, T., Pushkar, D., & Lesperance, D.** (2000). Age-related differences in inhibition during reading: Support from event-related brain potentials. Presented at the *8<sup>th</sup> Biennial Cognitive Aging Conference*, April 27-30, Atlanta, GA, USA.
- Phillips, N.A., Auchterlonie, S., & Chertkow, H.** (2000). Robust word-picture priming in aging: Evidence from event-related brain potentials and application to dementia. Presented at the *8<sup>th</sup> Biennial Cognitive Aging Conference*, April 27-30, Atlanta, GA, USA.
- Chertkow, H., Murtha, S., Bergman, H., Schondorf, R., **Phillips, N.**, Beauguard, M., & Chong, G. (2000). Prediction of treatment response with Donepezil in Alzheimer's disease. Presented at *The World Alzheimer Congress 2000*, July, Washington, DC, USA.
- Cameli, L., & Phillips, N.A.** (1999). Age-Related Differences in Semantic Priming: Evidence from Event-Related Brain Potentials. Poster presented at *TENNET X: Theoretical And Experimental Neuropsychology*, June 17-19, Montréal, QC, Canada.

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- Phillips, N.A.,** LeBlanc, M., & Chertkow, H. (1998). Event-related brain potential correlates of short-term memory in healthy elderly, patients with aging-associated cognitive decline, and Alzheimer's disease. Poster presented at the *Rotman Research Institute 8<sup>th</sup> Annual Conference: Cognition and the Aging Brain*. March 19-20, Toronto, ON, Canada.
- Phillips, N.A.,** Chertkow, H., LeBlanc, M., Pim, H., & Murtha, S. (1998). Short-term memory in healthy elderly, patients with Alzheimer's disease, and patients with early cognitive complaint: Use of functional (ERPs) and structural measures. Poster presented at the *7<sup>th</sup> Cognitive Aging Conference*, April 23-26, Atlanta, GA, USA.
- Phillips, N.A.,** (1995). Neuropsychological function in patients with peripheral vascular disease and cerebrovascular disease. Proceedings of the *University of Calgary Department of Clinical Neurosciences Research Day*, April, Calgary, AB, Canada.
- Phillips, N.A.,** & McGlone, J. (1993). Grouped data don't tell the whole story: Individual analysis of cognitive change following temporal lobectomy. Poster presented at the *101st Annual Convention of the American Psychological Association*, August 20-24, Toronto, ON, Canada.
- Phillips, N.A.** (1993). Event-related potentials during spoken sentence processing. Paper presented at the *American Meeting of Cognitive E.R.P. Research*, July, New York, NY, USA.
- Connolly, J.F., **Phillips, N.A.,** & Forbes, K.A.K. (1993). Event-related brain potentials reflect phonological and semantic processing of spoken and written language. Poster presentation at the *American Psychological Society Annual Conference*, June, Chicago, IL, USA.
- Phillips, N.A.,** Connolly, J.F., Mate-Kole, C.C., Rutledge, L., & Gray, J. (1992). P1 of the auditory middle latency response is not reliably elicited in patients with Alzheimer's disease or elderly controls. Poster presentation at the *10<sup>th</sup> International Conference on Event-Related Potentials of the Brain (EPIC X)*, May 31-June 5, Eger, Hungary.
- Phillips, N.A.** (1992). P1 component of the middle latency auditory evoked response does not differentiate patients with Alzheimer's disease from normal elderly controls. Presented at the *Metro Human Electrophysiology Group, Isaak Walton Killam Hospital for Children*, April, Halifax, NS, Canada.
- Phillips, N.A.** (1991). Neuropsychological function in peripheral vascular disease amputees. Presented at the *Metro Neuropsychology Journal Club, Victoria General Hospital*, December, Halifax, NS, Canada.
- Phillips, N.A.** (1990). Neural correlates of encoding into episodic memory in young and old adults. Presented at the *Neuropsychology Grand Rounds, Department of Psychology, Camp Hill Medical Centre*, October, Halifax, NS, Canada.
- Phillips, N.A.,** Connolly, J.F., Eskes, G.A., & Mate-Kole, C.C. (1989). Do ERPs reflect differential memory processing in elderly controls and patients with memory dysfunction? Presented at *EPIC IX: The 9<sup>th</sup> international conference on event-related potentials of the brain*, June, Noordwijk, the Netherlands.
- Connolly, J.F., **Phillips, N.A.** & Williston, S. (1989). Brainstem auditory evoked potential (BAEP) differences associated with gender, handedness and familial sinistrality. Presented at *EPIC IX: The 9<sup>th</sup> international conference on event-related potentials of the brain*, June, Noordwijk, the Netherlands.
- Connolly, J.F., Teehan, M., **Phillips, N.,** Ekern, P., Michalon, M., Byrne, B., Baldursson, G., & Munro, A. (1988). Brainstem auditory evoked potential (BAEP) abnormalities in schizophrenia. Presented at the *9<sup>th</sup> International Symposium on Neurophysiological Correlates of Psychopathological Conditions*, October, Capri, Italy.

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Connolly, J.F., Teehan, M., **Phillips, N.A.**, Ekern, P., Sladen-Dew, N., Michalon, M., Byrne, B., Baldursson, G., Heffernan, L., & Munro, A. (1988). Neurophysiological manifestations of abnormalities at the level of the brainstem in schizophrenia. Presented at the *38<sup>th</sup> Annual Meeting of the Canadian Psychiatric Association*, September, Halifax, NS, Canada.

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### *Trainee Conference Presentations*

- Gullifer, J., Kousaie, S., Gilbert, A. C., Grant, A., Giroud, N., Coulter, K., Klein, D., Baum, S., **Phillips, N.A.**, & Titone, D. (2020). Quantifying bilingual language experience as a complex and socially dynamic spectrum. Poster presented at the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP 2020). Potsdam, Brandenburg [Held Online]
- Guthrie, D.M., Williams, N., Campos, J., Mick, P., Orange, J.B., Pichora-Fuller, M.K., Wittich, W., Savundranayagam, M.Y., & Phillips, N.A. (2020). Older adults who develop new impairments in both hearing and vision are more likely to experience cognitive decline over time. Abstract submitted for the *World interRAI Conference*, Leuven, Belgium, Feb. 2-5, 2020.
- Williams, N., Guthrie, D., Campos, J., Mick, P., Orange, J.B., Pichora-Fuller, M.K., Wittich, W., Savundranayagam, M.Y., & Phillips, N.A. (2020). The influence of sensory and cognitive impairment on the risk of long-term care admissions among home care clients in Ontario, Canada. Abstract submitted for the *World interRAI Conference*, Leuven, Belgium, Feb. 2-5, 2020.
- Gilbert, A. C., Gullifer, J., Wolpert, M., Saito, H., Kousaie, S., Itzhak, I., Gracco, V. L., Klein, D., Phillips, N. A., Titone, D., Baum, S. R. (Accepted 2019). Language dominance and entropy as predictors of word segmentation cue production in bilinguals. Presented at the *60<sup>th</sup> Annual Meeting of the Psychonomic Society*, Montréal, Canada, November 15, 2019.
- Rehan, S., Giroud, N., Al-Yawer, F., Wittich, W., & Phillips, N. A. (2019). Initial COMPASS-ND findings: Visual function and brain integrity are differentially associated with the developmental stages of Alzheimer's dementia. Poster presented at the *2019 Canadian Consortium on Neurodegeneration in Aging Science Day*, Quebec City, QC, October 6, 2019.
- Giroud, N., Pichora-Fuller, M. K., Mick P., Wittich, W., Al-Yawer, F., Rehan, S., & Phillips, N. A. (2019). Hearing loss is associated with hippocampal atrophy in older adults at risk for dementia. Poster presented at the *10<sup>th</sup> Canadian Conference on Dementia (CCD)*, Québec City, Canada, October 3 – 5, 2019.
- Al-Yawer, F., Pichora-Fuller, M.K., Mick P., Wittich, W., Giroud, N., Rehan, S., & Phillips, N. A. (2019). Sensory loss and cognitive function in older adults at different stages of cognitive impairment. Poster presented at the *10<sup>th</sup> Canadian Conference on Dementia (CCD)*, Québec City, Canada, October 3 – 5, 2019.
- Chauvin, A. & Phillips, N. A. (2019). Individual differences in the use of visual speech cues and sentence context to aid speech perception under noisy conditions in young and older bilinguals. Talk accepted for presentation at the *12<sup>th</sup> International Symposium on Bilingualism*, Edmonton, Canada, June 2019.
- Al-Yawer, F., Pichora-Fuller, M. K., Wittich, W., Mick P., Giroud, N., Rehan, S., & Phillips, N. (2019). Sensory loss and cognitive function in older adults at different stages of cognitive impairment. Poster presentation at the *5<sup>th</sup> International Conference on Cognitive Hearing Science for Communication*, June 9 – 12, 2019, Linköping, Sweden.
- Giroud, N., Pichora-Fuller, M. K., Mick, P., Wittich, W., Al-Yawer, F., Rehan, S., & Phillips, N. A. (2019). Age-related hearing loss and cortical atrophy in older adults with (or at risk for) dementia: How strong is the relationship? Talk presented at the *5<sup>th</sup> International Conference on Cognitive Hearing Science for Communication*, June 9 – 12, 2019, Linköping, Sweden.

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- Giroud, N., Pichora-Fuller, M. K., Mick, P., Wittich, W., Al-Yawer, F., Rehan, S., & Phillips, N. A. (2019). Hearing loss and cortical atrophy in older adults with (or at risk for) dementia: How strong is the relationship? Poster presented at the *5th International Conference on Cognitive Hearing Science for Communication*, Linköping, Sweden, June 9 – 12, 2019.
- Boatswain-Jacques, A.-F., Chauvin, A., René, J-L, & Phillips, N. A. (2019). Working memory and second language proficiency moderates the use of visual speech cues and sentence context during bilingual speech perception in noise. Poster presented at the *Centre for Research on Brain, Language, and Music (CRBLM) Scientific Day*, Montreal, Canada, May 13, 2019.
- Grant, A., Best, P.T., & Phillips, N. (2019). Electrophysiological correlates of auditory discourse processing in bilinguals across the lifespan. Poster presented at the *Centre for Research on Brain, Language, and Music (CRBLM) Scientific Day*, Montreal, Canada, May 13, 2019.
- Rehan, S., Giroud, N., Al-Yawer, F., Wittich, W., & Phillips, N. A. (2019). Initial findings on age-related sensory loss in older adults with (or at risk for) dementia. Poster presented at the *Centre for Research on Brain, Language, and Music (CRBLM) Scientific Day*, Montreal, Canada, May 13, 2019.
- Best, P.T., Grant, A.M., Phillips, N. (2019). Working memory capacity predicts auditory discourse processing in bilingual older adults. Poster presented at the *2019 PERFORM Research Conference*, Montreal, Canada, May 10, 2019.
- Boatswain-Jacques, A.-F., Chauvin, A., René, J-L, & Phillips, N. A. (2019). Working memory and second language proficiency moderates the use of visual speech cues and sentence context during bilingual speech perception in noise. Poster presented at the *2019 PERFORM Research Conference*, Montreal, Canada, May 10, 2019.
- Giroud, N., Pichora-Fuller, M. K., Mick P., Wittich, W., Al-Yawer, F., Rehan, S., & Phillips, N. A. (2019). Age-related hearing loss and cortical atrophy in older adults with (or at risk for) dementia: How strong is the relationship? Poster presented at the *2019 PERFORM Research Conference*, Montreal, Canada, May 10, 2019.
- Rehan, S., Giroud, N., Wittich, W., Al-Yawer, F., & Phillips, N. A. (2019). The relationship between hearing loss and visual impairment in subjects with cognitive decline. Poster presented at the *2019 PERFORM Research Conference*, Montreal, Canada, May 10, 2019.
- Best, P.T., Grant, A.M., Phillips, N. (2019). Working memory capacity predicts auditory discourse processing in bilingual older adults. Poster presented at the *10<sup>th</sup> Annual Lady Davis Institute Scientific Retreat*, Montreal, Canada, May 2, 2019.
- Boatswain-Jacques, A.-F., Chauvin, A., René, J-L, & Phillips, N. A. (2019). Working memory and second language proficiency moderates the use of visual speech cues and sentence context during bilingual speech perception in noise. Poster presented at the *10<sup>th</sup> Annual Lady Davis Institute Scientific Retreat*, Montreal, Canada, May 2, 2019.
- Giroud, N., Pichora-Fuller, M. K., Mick P., Wittich, W., Al-Yawer, F., Rehan, S., & Phillips, N. A. (2019). Age-related hearing loss and cortical atrophy in older adults with (or at risk for) dementia: How strong is the relationship? Poster presented at the *10<sup>th</sup> Annual Lady Davis Institute Scientific Retreat*, Montreal, Canada, May 2, 2019.
- Boatswain-Jacques, A.-F., Chauvin, A., René, J-L, & Phillips, N. A. (2019). Individual differences in bilingual speech perception in noise. Talk presented at the *Montreal Bilingual Initiative (MoBI) Symposium*, Montreal, Canada, March 29, 2019.



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- Grant, A., Best, P.T., & Phillips, N. (2019). Electrophysiological correlates of auditory discourse processing in bilinguals across the lifespan. Poster presented at the *Cognitive Neuroscience Society 26th Annual Meeting*, San Francisco, CA, USA, March 23-26, 2019.
- Giroud, N., Pichora-Fuller, M. K., Mick, P., Wittich, W., Al-Yawer, F., Rehan, S., & Phillips, N. A. (2019). Hearing loss is associated with hippocampal atrophy in older adults with dementia. Poster presented at the *2019 Rotman Research Institute Conference: Aging & Brain Health*, March 18 – 20, 2019, Toronto, Ontario.
- Best, T., Grant, A. M., & Phillips, N. (2019). Auditory discourse processing in bilingual older adults: An ERP analysis. Poster presented at the *Centre for Research in Human Development (CRDH) Annual Conference*, February 8, 2019, Montreal, QC, Canada.
- Boatswain-Jacques, A.F., Chauvin, A., René, J.L., & Phillips, N. (2019). Individual differences in bilingual speech perception in noise. Poster presented at the *Centre for Research in Human Development (CRDH) Annual Conference*, February 8, 2019, Montreal, QC, Canada.
- Chauvin, A., Boatswain-Jacques, A.-F., & Phillips, N. A. (2019). Age differences in bilingual speech perception in noise: Impact of the availability of context and visual speech cues. Talk presented at the *Centre for Research in Human Development (CRDH) Annual Conference*, February 8, 2019, Montreal, QC, Canada.
- Rehan, S., Giroud, N., Al-Yawer, F., & Phillips, N., (2019). The relationship between hearing loss and visual impairment in the brain in subjects with cognitive decline. Poster presented at the *Centre for Research in Human Development (CRDH) Annual Conference*, February 8, 2019, Montreal, QC, Canada.
- Coulter, K., Gilbert, A.C., Kousaie, S., Baum, S., Gracco, V., Klein, D., Titone, D., & Phillips, N.A. (2018). The impact of semantic context and age of acquisition on bilingual speech perception in noise: An ERP study. Poster presented at the *10th Annual Meeting of the Society for the Neurobiology of Language*, August 16-18, 2018, Quebec City, QC, Canada.
- Grant, A., Coulter, K., Kousaie, S., Gilbert, A.C., Baum, S., Gracco, V., Klein, D., Titone, D., & Phillips, N.A. (2018). Age of acquisition of L2 affects alpha power during bilingual speech in noise processing. Poster presented at the *10th Annual Meeting of the Society for the Neurobiology of Language*, August 16-18, 2018, Quebec City, QC, Canada.
- Grant, A., Brisson-McKenna, M., & Phillips, N. (2018). Electrophysiological correlates of auditory discourse processing in bilinguals. Symposium presentation at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 28th Annual Meeting*, July 4 -7, 2018, St. John's, NL, Canada.
- Hämäläinen, A., Mick, P., Phillips, N., Pichora-Fuller, M.K., Wittich, W. (2018). The epidemiology of sensory and cognitive aging: social and lifestyle risk factors. Talk presented at *Public Health 2018*, May 28-31 2018, Montreal, QC, Canada.
- Al-Yawer, F., Bruce, B., Li, K.Z., Pichora-Fuller, M.K., & Phillips, N. (2018). Relationship of pure-tone and speech-in-noise measures of hearing to scores on the Montreal Cognitive Assessment Scale (MoCA): Sex differences and comparisons to other neuropsychological test results. Poster presented at the *5th Annual PERFORM Centre Research Conference*, May 17, 2018, Montreal, QC, Canada.
- Brisson-McKenna, M., Grant, A., & Phillips, N. (2018). Auditory discourse processing in bilinguals: An ERP analysis. Poster presented at the *5th Annual PERFORM Centre Research Conference*, May 17, 2018, Montreal, QC, Canada.

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- Pozzebon, C. C., Al-Yawer, F., Li, K., & Phillips, N. (2018). Reliable change indices for the Montreal Cognitive Assessment in cognitively healthy older adults. Poster presented at the *5th Annual PERFORM Centre Research Conference*, May 17, 2018, Montreal, QC, Canada.
- René, J-L., Chauvin, A., & Phillips, N. A. (2018). Impact of availability of context and visual speech cues on speech perception under noisy conditions. Poster presented at the *5th Annual PERFORM Centre Research Conference*, May 17, 2018, Montreal, QC, Canada.
- Al-Yawer, F., Bruce, B., Li, K.Z., Pichora-Fuller, M.K., and Phillips, N. (2018). Relationship of pure-tone and speech-in-noise measures of hearing to scores on the Montreal Cognitive Assessment Scale (MoCA): Sex differences and comparisons to other neuropsychological test results. Poster presented at the *Centre for Research on Brain, Language and Music (CRBLM) Scientific Day*, May 14, Montreal, QC, Canada.
- Brisson-McKenna, M., Grant, A., & Phillips, N. (2018). Auditory discourse processing in bilinguals: An ERP analysis. Poster presented at the *Centre for Research on Brain, Language and Music (CRBLM) Scientific Day*, May 14, Montreal, QC, Canada.
- Chauvin, A., René, J-L., & Phillips, N. A. (2018). Impact of availability of context and visual speech cues on speech perception under noisy conditions. Poster presented at the *Centre for Research on Brain, Language and Music (CRBLM) Scientific Day*, May 14, Montreal, QC, Canada.
- Coulter, K., Gilbert, A., Kousaie, S., Titone, D., Baum, S., Klein, D., Gracco, V., & Phillips, N.A., (2018). The role of semantic context in bilingual speech perception in noise: An ERP investigation. Poster presented at the *Centre for Research on Brain, Language and Music (CRBLM) Scientific Day*, May 14, Montreal, QC, Canada.
- Giroud, N., Hebert, M., & Phillips, N.A. (2018). Does lip reading make speech comprehension easier for everyone? Electrophysiological evidence on interindividual differences in younger and older adults with varying working memory capacity. Poster presented at the *Centre for Research on Brain, Language and Music (CRBLM) Scientific Day*, May 14, Montreal, QC, Canada.
- Al-Yawer, F., Bruce, B., Li, K.Z., Pichora-Fuller, M.K., & Phillips, N. (2018). Relationship of pure-tone and speech-in-noise measures of hearing to scores on the Montreal Cognitive Assessment Scale (MoCA): Sex differences and comparisons to other neuropsychological test results. Poster presented at the *engAGE Student Symposium*, May 7, 2018, Montreal, QC, Canada.
- Chauvin, A., René, J-L., & Phillips, N. A. (2018). Impact of availability of context and visual speech cues on speech perception under noisy conditions. Poster presented at the *engAGE Student Symposium*, May 7, 2018, Montreal, QC, Canada.
- Giroud, N., Herbert, M., & Phillips, N.A. (2018). Does lip reading make speech comprehension easier for everyone? Electrophysiological evidence on interindividual differences in younger and older adults with varying working memory capacity. Talk presented at the *engAGE Student Symposium*, May 7, 2018, Montreal, QC, Canada.
- Giroud, N., Hebert, M., & Phillips, N. (2018). Does lip reading make speech comprehension easier for everyone? Electrophysiological evidence on interindividual differences in younger and older adults with varying working memory capacity. Poster presented at the *Ninth Annual Lady Davis Institute Scientific Retreat*, May 4, 2018, Montreal, QC, Canada.
- Pozzebon, C., Al-Yawer, F., Li, K., & Phillips, N. (2018). Reliable change indices for the Montreal Cognitive Assessment in cognitively healthy older adults. Poster presented at the *Ninth Annual Lady Davis Institute Scientific Retreat*, May 4, 2018, Montreal, QC, Canada.
- Al-Yawer, F., Bruce, B., Li, K.Z., Pichora-Fuller, M.K., & Phillips, N. (2018). Relationship of pure-tone and speech-in-noise measures of hearing to scores on the Montreal Cognitive Assessment

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Scale (MoCA): Sex differences and comparisons to other neuropsychological test results. Poster presented at the *Cognitive Aging Conference*, May 3-6, 2018, Atlanta, Georgia, USA.

Brisson-McKenna, M., Grant, A., & Phillips, N. (2018). Auditory discourse processing in bilinguals: An ERP analysis. Poster presented at Concordia University's *Psychology Undergraduate Research Exposition*, April 13, 2018, Montreal, QC, Canada.

Pozzebon, C. C., Al-Yawer, F., Li, K., & Phillips, N. (2018). Reliable change indices for the Montreal Cognitive Assessment in cognitively healthy older adults. Poster presented at Concordia University's *Psychology Undergraduate Research Exposition*, April 13, 2018, Montreal, QC, Canada.

René, J-L., Chauvin, A., & Phillips, N. A. (2018). Impact of availability of context and visual speech cues on speech perception under noisy conditions. Poster presented at Concordia University's *Psychology Undergraduate Research Exposition*, April 13, 2018, Montreal, QC, Canada.

René, J-L., Chauvin, A., & Phillips, N. A. (2018). Individual differences in cognitive control mechanisms in bilinguals. Poster presented at the *Centre for Research in Human Development (CRDH) Annual Conference*, February 9, Montreal, QC, Canada.

Coulter, K., Gonzalez Cautela, B.V., Phillips, N.A., René, J-L., Covey, A., Gilbert, A., Kousaie, S., Titone, D., Baum, S., Klein, D., & Gracco, V. (2018). Bilingual speech perception in noise: An electrophysiological investigation of semantic context use in the native and non-native language. Poster presented at the *Centre for Research in Human Development (CRDH) Annual Conference*, February 9, Montreal, QC, Canada.

Coulter, K., Gonzalez Cautela, B.V., & Phillips, N.A. (2017). Age-related differences in monitoring for self-produced speech errors. Poster presented at the *Fourth Annual PERFORM Centre Research Conference*, May 19, Montreal, QC, Canada.

Gonzalez Cautela, B.V., Phillips, N.A., Coulter, K., René, J-L., Covey, A., Gilbert, A., Kousaie, S., Titone, D., Baum, S., Klein, D., & Gracco, V. (2017). Bilingual speech perception in noise: An electrophysiological investigation of semantic context use in the native and non-native language. Poster presented at the *Fourth Annual PERFORM Centre Research Conference*, May 19, Montreal, QC, Canada.

Coulter, K., Gonzalez Cautela, B.V., & Phillips, N.A. (2017). Age-related differences in monitoring for self-produced speech errors. Poster presented at the *Eighth Annual Lady Davis Institute Scientific Retreat*, May 12, Montreal, QC, Canada.

Gonzalez Cautela, B.V., Phillips, N.A., Coulter, K., René, J-L., Covey, A., Gilbert, A., Kousaie, S., Titone, D., Baum, S., Klein, D., Gracco, V. (2017). Bilingual speech perception in noise: An electrophysiological investigation of semantic context use in the native and non-native language. Poster presented at the *Eighth Annual Lady Davis Institute Scientific Retreat*, May 12, Montreal, QC, Canada.

René, J-L., Chauvin, A., & Phillips, N. A. (2017). Individual differences in cognitive control mechanisms in bilinguals. Poster presented at the *2017 Eighth Annual Lady Davis Institute Scientific Retreat*, May 12, 2017, Montreal, QC, Canada.

René, J-L., Chauvin, A., & Phillips, N. A. (2017). Différences individuelles dans les processus de contrôle proactif et réactif chez les individus bilingues. Poster presented at the *2017 Colloque de l'Association francophone pour le savoir (Acfas)*, May 10, 2017, Montréal, QC, Canada.

Al-Yawer, F., & Phillips, N. (2017). Sensitivity and specificity of the Montreal Cognitive Assessment Modified for individuals who are hearing impaired. Talk presented at the *Centre for Research*

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*in Human Development (CRDH) Annual Conference*, February 10, 2017, Montreal, QC, Canada.

Gonzalez Cautela, B.V., Coulter, K., & Phillips, N.A. (2016). Speech error monitoring in older and younger adults: a comparison. Work presented at the *Undergraduate Research Showcase Concordia University*, October 14, Montreal, QC, Canada.

Coulter, K., & Phillips, N.A. (2016). Does bilingualism influence speech error monitoring? Poster presented at the *Seventh Annual Lady Davis Institute Scientific Retreat*, June 3, Montreal, QC, Canada.

Coulter, K., & Phillips, N.A. (2016). Does bilingualism influence speech error monitoring? Poster presented at the *Psychology Undergraduate Research Expo Concordia University*, April 8, Montreal, QC, Canada.

Williams, C., Covey, A., Coulter, K., & Phillips, N.A. (2015). Electroencephalography and language in bilinguals: Bilingual speech perception in noise and the Montreal Bilingual Brain Initiative (MoBI) Project. Poster presented at the *Undergraduate Research Showcase Concordia University*, October 16, Montreal, QC, Canada.

### *Non-Peer Reviewed Work*

**Phillips, N.A.** (1998). "Moving early diagnosis of AD forward. *Liaison* (Newsletter of the Alzheimer Disease Society of Montréal), vol. 16(2), Summer.

Braha, R.E.D., and **Phillips, N.A.** (1990). *Report on pilot study data compilation and analyses: An investigation of decisional capacity in the elderly*. Department of Geriatric Medicine Technical Report, Camp Hill Medical Centre, Halifax, Nova Scotia.

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## Media Coverage and Public Events

Q&A: Conducting cognitive assessments via telehealth amid COVID-19 (June 08, 2020). Interview with Healio.com.

<https://www.healio.com/news/primary-care/20200608/qa-conducting-cognitive-assessments-via-telehealth-amid-covid19>

Claudine Gauthier and Natalie Phillips. Lifestyle Choices for Healthy Aging. Part of the *This is Concordia. Now.* lecture series. February 25, 2020.

February 21, 2020 – Phillips, N.A. (2020) The Current, why it's important to pay attention to your hearing.

<https://www.cbc.ca/listen/live-radio/1-63-the-current/clip/15762295-why-its-important-to-pay-attention-to-your-hearing>

February 12, 2020 – Phillips, N.A. (2020) CTV Montreal, Hearing loss and dementia.

<https://montreal.ctvnews.ca/video?clipId=1898197>

February 23, 2018 - Être bilingue protège d'Alzheimer: Parler plusieurs langues renforce certains réseaux cérébraux importants pour la mémorisation et retarde l'apparition des symptômes de la maladie d'Alzheimer in *Cerveau & Psycho*

<https://www.cerveauetpsycho.fr/sd/neurosciences/etre-bilingue-protege-dalzheimer-12901.php>

March 12, 2017 - *You Will Remember Me* pre-play discussant at the Centaur Theater (Montreal, QC)  
<https://centaurtheatre.com/you-will-remember-me.html>

CCNA Team 17 research video

videos (e.g., <http://ccna-ccnv.ca/en/category/videos/#event-ccna-team-17-interventions-at-the-sensory-cognitive-interface>).

September 16, 2014: Revolutionizing Alzheimer's research in Canada!

<http://www.concordia.ca/cunews/main/stories/2014/09/16/revolutionizing-alzheimersresearchincanada.html>

The MoCA

<http://www.cihr-irsc.gc.ca/e/48556.html>

October 15, 2013: The MoCA has surpassed over 1000 citations!

[http://psychology.concordia.ca/fac/phillips/files/MoCA\\_JGHNews.pdf](http://psychology.concordia.ca/fac/phillips/files/MoCA_JGHNews.pdf)

PHILLIPS, N.A.

<http://www.montrealgazette.com/health/Concordia+University+study+zeroes+early+signs+Alzheimer/7226755/story.html>