

CURRICULUM VITAE

Name: **Amedeo D'Angiulli** (age: 56)

CV Date: October 2025

Education

<i>University</i>	<i>Degree</i>	<i>Dates</i>	<i>Subject Area</i>
Northeastern University, Boston	PhD	2000	Experimental Psychology
Northeastern University, Boston	MA	1998	Experimental Psychology
University of Padua, Italy, Laurea (Honors BSc)		1994	Experimental Psychology

Languages

Italian, English, French (Conversational), Spanish (Conversational)

Employment

Academic employment

<i>Year</i>	<i>Position</i>	<i>Department, University/Institution</i>
2024	Lead Scientist	Neurodevelopmental Health Program, Children's Hospital of Eastern Ontario Research Institute
2016-2022	Senior Fellow (Honorary)	International Bureau of Education, UNESCO
2013-	Full Professor	Department of Neuroscience & Institute of Interdisciplinary Studies, Child Studies Carleton University
2013-2017	Undergraduate Programme Coordinator	Child Studies, Institute of Interdisciplinary Studies
2010-2013	Associate Professor	Department of Neuroscience & Institute of Interdisciplinary Studies, Child Studies Carleton University (cross-appointed to Psychology)
2007-2010	Assistant Professor	Department of Psychology & Institute of Interdisciplinary Studies, Carleton University

2004-2007	<i>Canada Research Chair & Founding Director</i>	Centre for Early Education and Development Studies, Kamloops, British Columbia
2004-2007	Assistant Professor	School of Education, Thompson Rivers University† <i>Note.</i> †Formerly University College of Cariboo.
2002-2004	Assistant Professor	Department of Pediatrics, University of British Columbia
2000-2002	SSHRC Postdoctoral Fellow	Department of Educational and Counseling Psychology and Special Education, University of British Columbia
2000-2002	Contract Instructor	Faculty of Education, University of British Columbia
1996-1999	Teaching Assistant	Department of Psychology Northeastern University, Boston
1995-1996	Research Assistant	Department of Applied Developmental Psychology, Ontario Institute for Studies in Education
1994-1995	Teaching Assistant	Department of Psychology, University of Toronto at Scarborough
1993-1993	Clinical Internship	Foster Care Services, City of Bergamo, Italy
1991-1992	Family Systemic Therapy Volunteer	Gregory Bateson Centre, Niguarda Hospital, Milan, Italy

Professional Honours

International Virtual Visiting Professor, Telematic University Nettuno, Rome, Italy, 2024-25

Visiting Professor, University of Sassari, Italy 2024

Senior Fellow in Learning Science, IBE/IBRO UNESCO 2016

Carleton University Research Award 2010

President's PhD Fellowship Award 2010

Research Award, Human Early Learning Partnership 2006-2007 (renewed in 2008-09)

Canada Research Chair (Tier II) 2004-2007

Michael Smith Foundation for Health Research 2004 Research Unit Award Recipient

Early Scholar Award, Human Early Learning Partnership 2002-2005

Izaak Walton Killam Memorial Fellowship (Honorary) 2000-2002 (Declined for SSHRC)

Northeastern University Graduate Training Award 1996-1999

Italian Government Award for Specialization Abroad 1994-1995 (held at University of Toronto at Scarborough, as visiting researcher)

Undergraduate Research European Community Scholarship (Erasmus Project) 1991-1992 (held at *University of Reading*, UK)

Current Research Interests

APPLIED DEVELOPMENTAL SCIENCES: Social Cognitive Developmental Neuroscience, Educational Neuroscience, Applied Developmental Neurosciences, Neurocognitive Development, Developmental Cognitive Neuropsychology, Learning Disabilities, Attention Deficits, Executive Functions, Dyslexia, Acaculia, Visual impairment & Blindness, Psychology of Haptics and its Educational Applications, Visual Mental Imagery, Early Childhood Development & Education, Early Prevention & Intervention, Developmental neuroimaging techniques; Development of Consciousness.

Methods & Techniques: Electroencephalography, Event Related Potentials, Transcranial Direct Current stimulation (TDCs), Structural MRI, Reaction Times modeling, Verbal reports and Protocol analysis, Meta-analytic procedures, Systematic Research Synthesis, Brain Computer interaction (pediatric neurofeedback).

PhD Dissertation: *Phenomenal and temporal aspects of visual mental image generation: validating retrospective report on vividness through latency analysis*. Graduate School of Arts and Sciences, Dept. of Psychology. Thesis (Ph. D.) --Northeastern University, 2000.

Edited Books

D'Angiulli, A., Letourneau, N., Hamilton, E. R., Schonert-Reichl, K., & Leisman, G. (eds.) (2021). *Pre-or Post-School Influences on Learning Adaptations, Risks and Disabilities in Children and Adolescents: Overlapping Challenges for Public Health, Education and Development*. Frontiers E-books.

D'Angiulli, A. (2021) (ed.). *Vividness, Consciousness, and Mental Imagery: Making the Missing Links across Disciplines and Methods*. Basel, Switzerland: MDPI Books.

D'Angiulli, A., Lipina, S., & Maggi, S. (2014) (eds.) *The social emotional developmental and cognitive neuroscience of socioeconomic gradients: Laboratory, population, cross-cultural and community developmental approaches*. Frontiers E-books.

Chapters in edited books

1. **D'Angiulli, A.** & Armas, F (2023). Neuro-degenerazione del SNC da inquinanti aerei e metalli pesanti (CNS Neurodegeneration from air pollutants and heavy metals) In Aldo Ferrara (Ed.) *Trattato italiano di medicina d'ambiente, Tomo II (Italian Treatise of Environmental Health, Vol 2)* SEU Press, Rome. pp 393-414.
2. **D'Angiulli, A.** Aldo Ferrara, Fabrizio Ottaviani (2021). Il bambino urbanizzato (The urbanized child), in Aldo Ferrara (Ed.) *Trattato italiano di medicina d'ambiente, Tomo I (Italian Treatise of Environmental Health, Vol 1)* SEU Press, Rome.
3. **D'Angiulli, A.** (2019) The role of neuroinflammation in developmental neurotoxicity, tackling complexity in children's exposures and outcomes. In Aschner, M.& Costa, L. G. (eds.) *Advances in Neurotoxicology*, VOL 3 Elsevier. (pp. 223-257).
4. K. Schibli, H. Hobbs, A. Sheik-Ahmed, N. Hedayati, A. **D'Angiulli** (2018, April) Cognition and language development in different socioeconomic and environmental settings: a review from developmental cognitive neuroscience. In *Handbook of Communication Disorders: Theoretical, Empirical, and Applied Linguistic Perspectives*, edited by Amalia Bar-On and Dorit Ravid. Berlin, De Gruyter. (pp. 565-583)
5. Faulkner, A., Hellemans, K., Abizaid, A. & **D'Angiulli, A.** (2014). The neurophysiology of craving and drug-related cues: Evidence from Event-Related Potentials. In Honeycutt, James M., Sawyer, Chris R., Keaton, Shaughan A. (eds.) *The Influence of Communication in Physiology and Health Status*. New York, NY Peter Lang Publishing, Inc.
6. **D'Angiulli, A.**, Chavira, M., Rutledge, D. & Stewart, M., (2012). The development of new media literacy and instruction: A review of risks, challenges and opportunities for K-12 students. In E. Williams (Ed.) *Critical Issues in Literacy Pedagogy: Notes from the Trenches*. San Diego, CA: Cognella/Routledge/University Readers Inc. (pp. 89-126).
7. **D'Angiulli, A.** (2009). Scuole e psicologi in Nord-America: percorsi di formazione, ruoli professionali e approcci d'intervento. In Confalonieri, E., Cannone, S. and Martello, C. (Eds.), *Atti del Convegno Psicologi e Scuola: Forme di Intervento e Prospettive Future*. Milan: UNICOPLI. pp. 353-383.
8. **D'Angiulli, A.** (2004). Using CAPIN as descriptive framework for blind children's spontaneous raised-line drawings, In S. Ballesteros, and M.A., Heller (Eds.), *Touch, blindness and neuroscience* (pp. 251-259). Madrid: UNED Press.
9. **D'Angiulli, A.** (2000). Descriptions and explanations in the mental imagery paradigm. In Perron, P., Sbrocchi, L.G., Colilli, P., & Danesi, M. (Eds.), *Semiotics as a bridge between the humanities and the sciences*. (pp. 315-335). Ottawa: Legas.

10. Kennedy, J.M., **D'Angiulli, A.**, & Stewart, A. (1995). Passive exploration of tactile pictures is especially effective for children and Optacon users. In J. Ronnberg and E. Hjelmquist (Eds.), *Proceedings from the international symposium on communicative disability, compensation and development*. Linköping University Press, Sweden.

Articles in refereed journals

Published or in press:

1. Leisman, G., Alfasi, R. & **D'Angiulli, A.** (in press). Environment and Brain Interacting: Typical Development of Learning and Memory Networks from Fetus to Age Two. *Journal of Integrative Neuroscience*.
2. Roy R, Sidhu K, Byczynski G, **D'Angiulli A** and Dresch-Langley, B. (2025) The precision principle: driving biological self-organization. *Front.Netw.Physiol.5:1678473*. doi:10.3389/fnetp.2025.1678473
3. Leisman, G., Gosseries, O., Machado, C., Martial, C., & **D'Angiulli, A.** (2025) Consciousness on the Borders of Life and Death. *Current Opinion in Behavioral Sciences*, 66(101594) DOI:10.1016/j.cobeha.2025.101594
4. de la Roche, L., Chen, Y., Roncadin, C., **D'Angiulli, A.**, Lee, V., Salt, M., Elisabetta, T., Carter, M., Koller, J., Fournier, S., Zwaigenbaum, L., McPhee, P., Gentles, S., Drmic, I., DiRezze, B., Rosenbaum, P., Mesterman, R., Frei, J., Zubairi, M., Georgiades, K., Duku, E., Bennett, T., Hanlon-Dearman, A., Lai, J., Singal, D., Georgiades, S. & Kelley, E. (2025). Brief report: Exploring the relationship between family experiences and behavioral inflexibility in young Autistic children. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-025-07027-z>
5. Sheculski, M., & **D'Angiulli, A.** (2025). Multilayer Perceptron Mapping of Subjective Time Duration onto Mental Imagery Vividness and Underlying Brain Dynamics: A Neural Cognitive Modeling Approach. *Machine Learning and Knowledge Extraction*, 7(3), 82. <https://doi.org/10.3390/make7030082>
6. Leisman, G., Alfasi, R., & **D'Angiulli, A.** (2025). Emotional Brain Development: Neurobiological Indicators from Fetus Through Toddlerhood. *Brain Sciences*, 15(8), 846. <https://doi.org/10.3390/brainsci15080846>
7. Byczynski, G., **D'Angiulli, A.** (2025). Vivid imagery of objects primes perception of subliminal spatial information, *Neuroscience of Consciousness*, Volume 2025, Issue 1, niaf026, <https://doi.org/10.1093/nc/niaf026>
8. Myers M, Leisman G, **D'Angiulli A.** (2025). The volume paradox: inferior fronto-occipital fasciculus integrity and connectivity in early blindness. *Brain*

& *Cognition*, Aug;188:106318. doi: 10.1016/j.bandc.2025.106318. Epub 2025 Jun 7. PMID: 40483835.

9. Denomey, N., & **D'Angiulli, A.** (2025). Reimagining Autism. *Imagination, Cognition and Personality*, 02762366251337039.
10. Parkhill, M., Salmaso, N., **D'Angiulli, A.**, Lee, V., & Aguilar-Valles, A. (2025). Emerging autism and Fragile X syndrome treatments. *Trends in Pharmacological Sciences*.
11. Baysarowich, R., Humes, R., Goetz, H., Remedios, J., Denomey, N., DeCoste, S., ... & **D'Angiulli, A.** (2025). Socioeconomic status and brain development: insights and theoretical perspectives on deficit, adaptation, and resilience. *Current Opinion in Behavioral Sciences*, 63, 101502.
12. **D'Angiulli, A.**, & Sidhu, K. (2025). Functionalist Emergentist Materialism: A Pragmatic Framework for Consciousness. *Imagination, Cognition and Personality*, 0(0). <https://doi.org/10.1177/02762366251316255>
13. Kefas, R., Raymond, R. & **D'Angiulli, A.** (2024). Urban Air Pollution and Child Neurodevelopmental Conditions: A Systematic Bibliometric Review. December *Current Opinion in Psychiatry* 38(2). DOI:10.1097/YCO.0000000000000984
14. **D'Angiulli, A.**, Kamgang, S., Humes, R., Ighalo, K., & Baysarowich, R. (2024). Ear to the ground! socioeconomic status, environmental stress, and the neural substrate of selective attention. *Brain and Cognition*, 182, 106242.
15. Leisman, G., Alfasi, R. & **D'Angiulli, A.** (2024). From sensory-motor and perceptual development to primary consciousness in the fetus: Converging neural, behavioral and imaging correlates of cognition-mediated emergent transitions. *Current Opinion in Behavioral Sciences Vol 6*, 101455. <https://doi.org/10.1016/j.cobeha.2024.101455>
16. **D'Angiulli, A.**, & Roy, R. (2024). The frog-manikin holding the blue parasol umbrella: imaginative generativity in evolution, life, and consciousness. *Current Opinion in Behavioral Sciences*, 58, 101397.
17. Gabriel E. Byczynski, **Amedeo D'Angiulli**, (2024) Frontal P300 asymmetry and congruence judgment: Retroactive switching is impaired during school day mornings in female adolescents, *Current Research in Neurobiology*, Volume 6, <https://doi.org/10.1016/j.crneur.2024.100128>.
18. **D'Angiulli, A.**, Wymark, D., Temi, S., Bahrami, S., Telfer, A. (2024). Reconsidering Luria's speech mediation: Verbalization and haptic picture

identification in children with congenital total blindness. *Cortex*, 173(11), DOI:10.1016/j.cortex.2024.01.010

19. Roy R and **D'Angiulli A** (2024) Air pollution and neurological diseases, current state highlights. *Frontiers in Neuroscience*. 18:1351721. doi: 10.3389/fnins.2024.1351721
20. D'Angiulli, A., Laarakker, C., Buchanan, K.M. (2024). An ART tour de force on mental imagery: Vividness, individual bias differences, and complementary visual processing streams. *Information*, 15(1):59. DOI:10.3390/info15010059
21. Byczynski, G., & **D'Angiulli, A.** (2023). Brief Myofascial Intervention Modulates Visual Event-Related Potential Response to Emotional Photographic Contents: A Pilot Study. *Vision*, 7(4), 77. <https://doi.org/10.3390/vision7040077>
22. Kamgang, S., Lord, M., Mishra, A., & **D'Angiulli, A.** (2023). Cognitive Neuroimaging Studies on Poverty and Socioeconomic Status Differences in Children and Families across the World: Translational Insights for Next Decade's Policy, Health, and Education. *Clinical and Translational Neuroscience*, 7(3), 24. MDPI AG. Retrieved from <http://dx.doi.org/10.3390/ctn7030024>
23. Pham, M. D., **D'Angiulli, A.**, Dehnavi, M. M., & Chhabra, R. (2023). From Brain Models to Robotic Embodied Cognition: How Does Biological Plausibility Inform Neuromorphic Systems? *Brain Sciences*, 13(9), 1316. <http://dx.doi.org/10.3390/brainsci13091316>
24. Irvine, M., Ferrara, A., Ottaviani, F., & **D'Angiulli, A.** (2023). Retrospective assessment of the association between urban air pollution and children's respiratory functions in Rome: Insights for developmental environmental health. *Global Transitions*, 5, 98-106.
25. Buchanan, D. M., Amare, S., Gaumond, G., **D'Angiulli, A.**, & Robaey, P. (2023). Safety and Tolerability of tDCS across Different Ages, Sexes, Diagnoses, and Amperages: A Randomized Double-Blind Controlled Study. *Journal of Clinical Medicine*, 12(13), 4346.
26. **D'Angiulli, A.**, Dao A. T. Pham, Matthew F. Kirby, and Gary Goldfield (2023). Making movies of children's cortical electrical potentials: A practical procedure for dynamic source localization analysis with validating simulation. *Brain Multiphysics*. Elsevier. <https://doi.org/10.1016/j.brain.2023.100064>
27. **D'Angiulli A** et al., (2023) Cognitive control, bedtime patterns, and testing time in female adolescent students: behavioral and neuro-electrophysiological

correlates. *Frontiers in Public Health*. 11:1022731. doi: 10.3389/fpubh.2023.1022731

28. Schibli K, Hirsch T, Byczynski G, **D'Angiulli A.** (2023) More Evidence That Ensemble Music Training Influences Children's Neurobehavioral Correlates of Auditory Executive Attention. *Brain Sciences*. 2023; 13(5):783. <https://doi.org/10.3390/brainsci13050783>
29. Veitch, J. A., Van Roon, P., **D'Angiulli, A.**, Wilkins, A., Lehman, B., Burns, G. J., & Dikel, E. E. (2023). Effects of Temporal Light Modulation on Cognitive Performance, Eye Movements, and Brain Function. *LEUKOS*, 1-40.
30. Molokopoy, V., & **D'Angiulli, A.** (2022). Multidisciplinary Intersections on Artificial-Human Vividness: Phenomenology, Representation, and the Brain. *Brain Sciences*, 12(11), 1495. <http://dx.doi.org/10.3390/brainsci12111495>
31. Armas, F. V., & **D'Angiulli, A.** (2022). Neuroinflammation and Neurodegeneration of the Central Nervous System from Air Pollutants: A Scoping Review. *Toxics*, 10(11), 666. <http://dx.doi.org/10.3390/toxics10110666>
32. Asakura, K., Gheorghe, R.M., Rieger, D. & **D'Angiulli, A.** (2022). Exploring Shared Trauma in the Time of COVID: A Simulation-Based Survey Study of Mental Health Clinicians. *Clinical Social Work Journal*. <https://doi.org/10.1007/s10615-022-00860-0>
33. **D'Angiulli, A.**, Buchanan, DM, Lockman-Dufour, G. (2022). Promise for Personalized Diagnosis? Assessing the Precision of Wireless Consumer-Grade Electroencephalography Across Brain Mental States. *Applied Sciences*
34. Byczynski, G., Schibli, K., Goldfield, G., Leisman, G., & **D'Angiulli, A.** (2022). EEG Power Band Asymmetries in Children with and without Classical Ensemble Music Training. *Symmetry*, 14(3), 538.
35. Buchanan, D. M., Bogdanowicz, T., Khanna, N., Lockman-Dufour, G., Robaey, P., & **D'Angiulli, A.** (2021). Systematic review on the safety and tolerability of transcranial direct current stimulation in children and adolescents. *Brain sciences*, 11(2), 212.
36. **D'Angiulli, A.**, & Reeves, A. (2021). Experimental phenomenology meets brain information processing: Vividness of voluntary imagery, consciousness of the present, and priming. *Psychology of Consciousness: Theory, Research, and Practice*, 8(4), 397.

37. Goldfield, G. S., Cameron, J. D., Sigal, R. J., Kenny, G. P., Holcik, M., Prud'homme, D., **D'Angiulli, A....** & Walsh, J. (2021). Screen time is independently associated with serum brain-derived neurotrophic factor (BDNF) in youth with obesity. *Applied Physiology, Nutrition, and Metabolism*, 46(9), 1083-1090.
38. Abdessemed, M., Mougharbel, F., Hafizi, K., Cameron, J. D., Heidinger, B., Barnes, J., **D'Angiulli, A....** & Goldfield, G. S. (2021). Associations between physical activity, sedentary time and social-emotional functioning in young children. *Mental Health and Physical Activity*, 21, 100422.;
39. **D'Angiulli, A.**, Kenney, D., Pham, D. A. T., Lefebvre, E., Bellavance, J., & Buchanan, D. M. (2021). Neurofunctional Symmetries and Asymmetries during Voluntary out-of-and within-Body Vivid Imagery Concurrent with Orienting Attention and Visuospatial Detection. *Symmetry*, 13(8), 1549.
40. **D'Angiulli, A.**, Letourneau, N., Hamilton, E. R., Schonert-Reichl, K., & Leisman, G. (2021). Pre-or Post-School Influences on Learning Adaptations, Risks and Disabilities in Children and Adolescents: Overlapping Challenges for Public Health, Education and Development. *Frontiers in Public Health*, 9, 279.
41. **D'Angiulli, A.** (2020). Vividness, consciousness and mental imagery: A start on connecting the dots. *Brain Sciences*, 10(8), 500; <https://doi.org/10.3390/brainsci10080500>
42. Grant JG, Siegel LS and **D'Angiulli A** (2020) From Schools to Scans: A Neuroeducational Approach to Comorbid Math and Reading Disabilities. *Frontiers in Public Health* 8:469. doi: 10.3389/fpubh.2020.00469
43. Buchanan, D. M., Robaey, P., & **D'Angiulli, A.** (2020). What do we know about transcranial direct current stimulation for major depression? *Brain Sciences*, 10(8), 480; <https://doi.org/10.3390/brainsci10080480>
44. Buchanan, D.M., **D'Angiulli, A.**, Samson,A., Maisonneuve, A.R., Robaey, P. (2020). Acceptability of transcranial direct current stimulation in children and adolescents with ADHD: the point of view of parents. *Journal of Health Psychology*, July 20, <https://doi.org/10.1177/1359105320937059>
45. **D'Angiulli, A.**, Pham, D. A. T., Leisman, G., & Goldfield, G. (2020). Evaluating Preschool Visual Attentional Selective-Set: Preliminary ERP Modeling and Simulation of Target Enhancement Homology. *Brain Sciences*, 10(2), 124.

46. Haustein, S., Vellino, A., & **D'Angiulli, A.** (2020). Insights from a Bibliometric Analysis of Vividness and Its Links with Consciousness and Mental Imagery. *Brain Sciences*, 10(1), 41.
47. Brown, P., **RELISH Consortium***, & Zhou, Y. (2019). Large expert-curated database for benchmarking document similarity detection in biomedical literature search. *DATABASE: The Journal of Biological Databases and Curation*. DOI 10.1093/database/baz085.***Included in author list of RELISH**
48. Buchanan, D., Grant, J. and **D'Angiulli, A.** (2019) Commercial wireless versus standard stationary EEG systems for personalized emotional brain-computer interfaces: a preliminary reliability check. *Neuroscience Research Notes*, 2(1), pp. 7-15. doi: 10.31117/neuroscirn.v2i1.21.
49. Lefebvre, E., & **D'Angiulli, A.** (2019). Imagery-mediated verbal learning depends on vividness-familiarity interactions, the possible role of dualistic resting state network activity interference. *Brain Sciences*, 9(6), 143; <https://doi.org/10.3390/brainsci9060143>
50. **D'Angiulli, A.**, & Devenyi, P. (2019). Retooling computational techniques for EEG-based neurocognitive modeling of children's data, validity and prospects for learning and education. *Frontiers in Computational Neuroscience*, 13, 4. doi: 10.3389/fncom.2019.00004
51. Walsh, J. J., **D'Angiulli, A.**, Cameron, J. D., Sigal, R. J., Kenny, G. P., Holcik, M., ... & Gunnell, K. (2018). Changes in the Brain-Derived Neurotrophic Factor Are Associated with Improvements in Diabetes Risk Factors after Exercise Training in Adolescents with Obesity: The HEARTY Randomized Controlled Trial. *Neural Plasticity*, 2018, Article ID 7169583, 8 pages <https://doi.org/10.1155/2018/7169583>
52. Gary Goldfield, Glen P Kenny; Denis Prud'homme; Martin Holcik; Angela Alberga; Margaret Fahnestock; Jameason Cameron; Steve Doucette; Stasia Hadjiyannakis; Heather Tulloch; Mark Tremblay; Jeremy Walsh; Eva Guerin; Katie Gunnell; **Amedeo D'Angiulli**; Ronald J Sigal (2018) Effects of Aerobic Training, Resistance Training, or Both on Brain-Derived Neurotrophic Factor in Adolescents with Obesity: the HEARTY randomized controlled trial. *Physiology & Behavior*, 191, 138-145.
53. **D'Angiulli, A.** (2018). Severe Urban Outdoor Air Pollution and Children's Structural and Functional Brain Development, From Evidence to Precautionary Strategic Action. *Frontiers in Public Health* 6:95. doi: 10.3389/fpubh.2018.00095

54. Calderon-Garciduenas, L., Gonzalez-Gonzalez, L.O., Kulesza, R.J., Fech, T.M., Perez-Guille, G., Jimenez-Bravo Luna, M.A., Soriano-Rosales, R.E., Solorio, E., Miramontes-Higuera, J., Chew, A.G.M., Bernal-Morua, A.F., Mukherjee, P.S., Torres-Jardon, R., Mills, P.C., Wilson, W.J., Perez-Guille, B. and **D'Angiulli, A.** (2017). Exposures to fine particulate matter and ozone above USA standards are associated with auditory brainstem dysmorphology and abnormal auditory brainstem evoked potentials in healthy young dogs. *Environmental Research*, 158, 324-332.
55. Schibli, K., Wong, K., Hedayati, & **D'Angiulli, A.** (2017). Attending and learning under socioeconomic disadvantage: Developmental cognitive and social neuroscience of resilience and vulnerability. *Annals of the New York Academy of Sciences*, 1396, 19-38.
56. **D'Angiulli, A.**, Blanchette, I. & Gosselin, J. (2017). Not in Manuals: Best current writing practices, particularly for academics writing in a non-native language. *Canadian Journal of Behavioural Science*, 49(2), 89-96. *Best Practices: Part I*.
57. Runge, M., Cheung, M., W.-L., & **D'Angiulli, A.** (2017). Meta-analytic comparison of trial- versus questionnaire-based vividness reportability across behavioral, cognitive and neural measurements of imagery. *Neuroscience of Consciousness*, 1-13. doi: 10.1093/nc/nix006.
58. **D'Angiulli, A.** & Schibli, K. (2017). How neuroendocrinology can contribute to early childhood education and care: Cortisol as a supplementary indicator of quality. *Prospects, UNESCO's Quarterly Review of Comparative Education*. doi:10.1007/s11125-017-9395-8
59. Schibli, K., **D'Angiulli, A.** Thomson, T.Z. (2017). Parents' perspectives on involving young children in neuroimaging studies. *Journal of Social Science & Allied Health Professions*, 1(1). <http://www.ssahp.com/vol-1---issue-1.html>
60. Hedayati, N., Schibli, K., & **D'Angiulli, A.** (2016). El Sistema-inspired ensemble music training is associated with changes in children's neurocognitive functional integration: preliminary ERP evidence. *Neurocase*, 6(22), 538-547.
61. Schibli, K. & **D'Angiulli, A.** (2016). Frameworks are pretty on paper but often do not fit reality: Reply to Lemyre et al. *Journal of Perinatology*, 36, 1138-1139 (December 2016) doi:10.1038/jp.2016.163
62. Calderón-Garcidueñas L., Jewells V., Galaz-Montoya C., van Zundert B., Pérez-Calatayud A., Ascencio-Ferrel E., et al...**D'Angiulli, A.** (2016). Interactive and additive influences of Gender, BMI and Apolipoprotein 4 on cognition in children chronically exposed to high concentrations of PM2.5 and ozone. APOE 4 females are at highest risk in Mexico City. *Environmental Research*, 150, 411–422. 10.1016/j.envres.2016.06.026

63. Brockmeyer, S. & **D'Angiulli, A.** (2016). How air pollution alters brain development: The role of neuroinflammation. *Translational Neuroscience*, 7(1), 24-31.
64. Wagner, Shannon; Cepeda, Ivan; Krieger, Dena; Maggi, Stefania; **D'Angiulli, Amedeo**; Weinberg, Joanne; Grunau, Ruth. (2015). Executive Functioning in Preschool Children: The Role of Parenting Stress, Parent Coping and Quality of Daycare. *Child Neuropsychology*, Sep 3, 1-17.
65. **D'Angiulli, A.**, Gordon Griffiths, & Fernando Marmolejo-Ramos (2015). Neural correlates of visualizations of concrete and abstract words in preschool children: A developmental embodied approach. *Frontiers in Developmental Psychology*, 6:856.
66. Runge, M., Bakhilau, V., Omer, F., & **D'Angiulli, A.** (2015). Trial-by-trial Vividness Self-reports versus VVIQ: A Meta-analytic Comparison of Correlates of Behavioral, Cognitive and Neurological Evidence. *Imagination, Cognition, and Personality*, 34(4)
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29. **D'Angiulli, A.**, Maggi, S. & Shippam, B. (2005). Mobile Unit for Child Health: A new approach to intervention and prevention in Interior British Columbia. *The Early Childhood Educator*, Spring, 31-33.
30. Reeves, A., & **D'Angiulli, A.** (2003). What does the visual buffer tell the mind's eye? [Abstract]. *Abstracts of The Psychonomic Society*, 8, 82.

31. **D'Angiulli, A.**, Lesaux, N. K., Siegel, L. S. (2002). Arithmetic disability, dyslexia, and visual-spatial skills in adults. [Abstract]. *Canadian Psychology*, 43, 99.
32. **D'Angiulli, A.**, Siegel, L.S., Hertzman, C. (2002). Phonological awareness moderates the effects of socioeconomic variables on literacy development. [Abstract]. *International Journal of Behavioural Medicine*, 9(1), 70.
33. Maggi, S., Kohen, D., **D'Angiulli, A.**, Hertzman, C. (2002). Neighborhood, socioeconomic status and school performance: Trends of risk and resilience for reading and numeracy. [Abstract]. *International Journal of Behavioural Medicine*, 9(1), 176.
34. **D'Angiulli, A.** (2001). Phenomenal and temporal aspects of visual mental image generation: validating verbal report on vividness through latency analysis. *Dissertation Abstracts International*, 61 (9-B), 5015.
35. **D'Angiulli, A.**, Serra, E., & Siegel, L.S. (1999). Reading in Italian and English. *Thalamus: The IARLD Journal*, 17, 39-42.

Book reviews in scholarly journals

1. **D'Angiulli, A.** (2014) Book review of Cattaneo, Z. & Vecchi, T. (2011). *Blind Vision*. MA: MIT Press. *Imagination, Cognition & Personality*, 33(2), 197-203
2. **D'Angiulli, A.** (2013) Book review of R Bednarik (2011). *The human condition*. NY: Springer Science. *Imagination, Cognition & Personality*, 32(2), 197-203.
3. **D'Angiulli, A.** (2011). Review of "In the mind's eye" by Thomas G. West. *Imagination, Cognition & Personality*, 31 (1-2), 200-205.
4. **D'Angiulli, A.** (2011). Review of "Out of our Heads: Why you are not your brain, and other lessons from the biology of consciousness". By Alva Noe. *Imagination, Cognition & Personality*, 30(3), 355-358.
5. **D'Angiulli, A.** (2008). Review of 'Norms in human development', edited by L. Smith and J. Vonèche. *Educational Psychology*, 28(5), 597-602.
6. **D'Angiulli, A.** (2000-2001). Review of 'Stretching the imagination: representation and transformation in mental imagery', edited by Cornoldi, C. et al. *Imagination, Cognition & Personality*, 20, 297-302.
7. **D'Angiulli, A.** (2008-2009). Review of "Seeing and visualizing: It's not what you think" by Z.W. Pylyshyn, *Imagination, Cognition & Personality*, 29(1), 90-94.
8. **D'Angiulli, A.** (2008-2009). Cognitive modeling edited by T.A. Polk and C.M. Seifert. *Imagination, Cognition & Personality*, 29(1), 94-95.

Editorial Responsibilities (peer reviewed activities and journals)

Imagination, Cognition and Personality (from Jan 2019)
Co-Chief Editor

Frontiers in Perception Science, Associate Editor (from Jan 2021)

Psychology of Consciousness (from Jan 2019)
Consulting Editor

Neuroscience Research Notes
Associate Editor – 2018-

Frontiers in Pediatrics & Frontiers in Public Health, section Children and Health,
Associate Editor – 2018-

Ricerche di Psicologia, Associate Editor (from Jan 2021)

American Journal of Psychology, Consulting Editor, 2008 – 2019

Frontiers in Educational Psychology, Associate Review Editor – 2014 –

Educational Psychology, Consulting Editor – 2016-2018

Canadian Journal of Behavioral Science, Associate Editor – 2014 -

Imagination, Cognition & Personality, Associate Editor, 2005 - 2015

Guest Associate Editorships: *Frontiers in Human Neuroscience*; *Frontiers in Psychology*; *Cognitive Processing*; *Current Opinions in Behavioral Sciences (Elsevier)*; *Brain Sciences*; *Frontiers in Human Neuroscience*; *Frontiers in Neuroscience*, *Neurodevelopment*.

Papers Presented

a) learned societies

1. Salami, Z., **D'Angiulli, A.**, Drmic, I., Edwards, J., Ferguson, G., Rombos, V., Baysarowich, R., Decker, K., Denomey, N., Hayawi, L., Jeyabalan, T., Johansen, T., Margallo, K., Mitsakakis, N., Webster, R., Penner, M. (2025, May). Pathway to Change: A Comprehensive Evaluation of the Extensive Needs Service Pilot Program in Ontario. [Conference presentation]. International Society for Autism Research Annual Conference, Seattle, WA, USA.

2. Edwards, J., Drmic, R., Jeyabalan, T., Ferguson, G., Baysarowich, R., Denomey, N., Hayawi, L., Mitsakakis, N., Rombos, V., Salami, Z., Webster, R., **D'Angiulli, A.**, Penner, M. (2025, March). Preliminary Results From a Comprehensive Evaluation of the Extensive Needs Service (ENS) Pilot Program in Ontario, Canada. [Conference Presentation]. McMaster Child Health Research Day, Hamilton, Ontario, Canada.
3. Ferguson, G., Baysarowich, R., **D'Angiulli, A.**, Decker, K., Drmic, I., Jeyabalan, T., Lui, T., Milicevic, T., Rombos, V., Salami, Z., Wilson, T., & Penner, M. (2024, October). Implementation of Measurement-Based Care in a Clinical Program for Children With Mental Health Concerns and Co-Occurring Extensive Needs. In AACAP's 2024 Annual Meeting. AACAP.
4. **D'Angiulli, A.**, Myers, M., Roy, R., Humes, R., Denomey, N. (2025, April). Reimagining Autism: Reframing Play, Theory of Mind and Imaginative Abilities of Children Within the Spectrum. [Conference presentation]. Canadian Autism Leadership Summit, Ottawa, Ontario, Canada.
5. Buchanan, D.M., **D'Angiulli, A.**, A. Amare, S., Gaumond, G., A. Robaey, P. (2018). *Safety Tolerability and Acceptability of Transcranial Direct Current Stimulation in children and adolescents*. Paper presented at the 23rd world congress of the International Association for Child and Adolescent Psychiatry and Allied Professions, Prague, Czech Republic.
6. **D'Angiulli, A.** & Schibli, K. (2017). *Recession, Academic Vulnerability and Neural Correlates of Attention in Children with Different Family Socioeconomic Status*. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas, USA.
7. Grant, J.G., Siegel, L.S., & **D'Angiulli, A.** (2015, September). *Dyslexia & Dyscalculia; A Neuropsychological Model of Co-Morbidity*. Poster session presented at the 6th Annual NeuroDevNet Brain Development Conference, Ottawa, ON, Canada.
8. **D'Angiulli A.** Invited talk for the *American Society for Investigative Pathology* 2015 at the *Annual Meeting of Experimental Biology*, March 29, 2015, Boston Convention and Exhibition Center in Boston, MA. Environmental and Toxicologic Pathology Symposium: Air Pollution and Health Effects: Cognition, Neuropathology, Cardiovascular, and Metabolic Disease -What you ought to know by now!
9. Hedayati, N. & **D'Angiulli, A.** (2015, September). *Musical intervention programs and wellbeing: A Review from Positive Developmental Neuroscience*. Poster session presented at the 6th Annual NeuroDevNet Brain Development Conference, Ottawa, ON, Canada.

10. Buchanan, D., Robaye, P., MacDonald, M., **D'Angiulli, A.** (2015, September). *Safety of transcranial direct current stimulation in children and adolescents: A randomized double blind pilot trial*. Poster session presented at the 6th Annual NeuroDevNet Brain Development Conference, Ottawa, ON, Canada.
11. Hedayati, N. & **D'Angiulli, A.** (2015, September). *Evaluating selective attention in young children through Event-Related Potentials*. Poster session presented at the 6th Annual NeuroDevNet Brain Development Conference, Ottawa, ON, Canada.
12. Holtby, R., & **D'Angiulli, A.** (2011). The Effects of Interference on Recognition of Haptic Pictures in Blindfolded Sighted Participants: The Modality of Representation of Haptic Information. *5th International Conference on Memory*, York University, York, UK.
13. Faulkner, A., Froislie, J., Zakizadeh, J. & **D'Angiulli, A.** (2011). Vivid Visualization predicts Incidental Recall Accuracy of Imagery-Evoking Nouns. *5th International Conference on Memory*, York University, York, UK.
14. Faulkner, A., Comeau, A., Helleman, K., Abizaid, A. & **D'Angiulli, A.** (2011). Big Mac and chopped arms: ERP correlates of viewing and imagining food and aversive real-life photos. *Society for Neuroscience*. Washington, DC.
15. Maggi, S., Kirby, M., Callaghan, K., MacLennan, D., & **D'Angiulli, A.** Gaps don't happen in a vacuum: The contribution of socioeconomic and regional context on gender differences in achievement-related foundation skills. *Socio-economic Conference 2010*, Statistics Canada, Gatineau, April, 2010.
16. Yeh, W-H, **D'Angiulli, A.** Compensatory Mechanism and Circadian Preference Related Frontal Cortex Activation in Adolescents: The Relationship to Sleep Pattern and Testing Time. Poster presented at the 20th Annual Rotman Research Institute Conference – The Frontal Lobes, Toronto on March 22nd - 26th, 2010.
17. Griffiths, G., Yeh, W-H, **D'Angiulli, A.** Correlation between Parent-reported Executive Functions and EEG Response during Selective-Attention and Language Tasks in Preschool Children: An Event-Related and Spectral Measurement Study. Poster presented at the 20th Annual Rotman Research Institute Conference – The Frontal Lobes, Toronto on March 22nd - 26th, 2010.
18. Griffiths, G., Yeh, W-H., **D'Angiulli, A.** (2009) Comparison of Executive Function with EEG Response during Selective-Attention and Language Tasks: Event-Related and Spectral Measurement Study. Paper to be presented at the *Canadian Society for Life Sciences Research*, Ottawa, Canada, November 2009.

19. **D'Angiulli, A.** & Maggi, S. Determining misfortune: Allostasis, sociostasis or both? An Orwellian social constructionist approach. Paper presented at the *6th Biennial Conference of the International Society of Critical Health Psychology*, July 8th-11th, 2009, Lausanne.
20. Grebenkov, P. & **D'Angiulli, A.** Is the new cognitive neuroscience of social inequality equal? Deconstructing the current neurocognitive research on children's attention. Paper presented at the *6th Biennial Conference of the International Society of Critical Health Psychology*, July 8th-11th, 2009, Lausanne.
21. Prubant, B., & **D'Angiulli, A.** Adolescents' Stroop performance and concurrent ERPs are affected by their sleep cycles: Implications for learning and optimal functioning in school. *The 38th Annual Meeting of the Jean Piaget Society*. Quebec City, Canada, June 6-8, 2008.
22. Invited symposium International Congress of Psychology, Berlin, Germany August 2008 **D'Angiulli, A.** & Kennedy, J. (2008). Drawings by blind people who had sight for an extended period. [Abstract]. *International Journal of Psychology*, 43 (4-3).
23. Bokkon, I., Kirby, M., **D'Angiulli, A.** (2008). TMS, phosphenes and visual mental imagery: A mini-review and a theoretical framework. *Abstracts of the Transcranial Magnetic Stimulation and Neuroimaging in Cognition and Behaviour Conference*, Montreal, Canada, September.
24. **D'Angiulli, A.**, Herdman, A., Stapells, D., Weinberg, J., Miller, G., Oberlander, T., Chen, E., Grunau, R., Schonert-Reichl, K., & Hertzman, C. (2007). Socioeconomic status and the neural correlates of auditory selective attention and self-regulation: An event-related potential/cortisol study. *37th Annual meeting of the Jean Piaget Society*, Amsterdam, The Netherlands, May.
25. Hertzman, C., Chen, E., Dahinten, V. S., **D'Angiulli, A.**, Irwin, L., & Kinar, K., Lloyd, J.E.V., & Warburton, B. (2006). *The use of administrative data for child cohort studies*. Poster presented at the International Conference on Child Cohort Studies, St. Catherine's College, Oxford, UK, September, 2006.
26. Warburton, W., Hertzman, C., **D'Angiulli, A.**, Chen, E., Dahinten, S., Keely K., & Jennifer Lloyd J. E.V. (2006). *The Early Development Indicator and Educational Attainment*. Edudata Canada Research Forum, University of British Columbia, Vancouver BC, May.
27. Hayes, V.E., Ratanshi, N., Penner, N., McGillis, S., Bhagat, R., Kiviste, L., **D'Angiulli, A.** Ford, L., George, A., Jamieson, L., Lee Tye, B., Sullivan, R. (2006). *Evaluating Support for Foster Parents: The Vancouver Coastal Safe Babies Program*. Canadian Public Health Association 97th Annual Conference, Vancouver, BC, May.

28. Oberlander, T., Schonert-Richel, K., Chen, E., Miller, G., Weinberg, J., **D'Angiulli, A.**, Hertzman, C. (2006). *Relationships between daily cortisol patterns and peer-nominated behavior in a classroom setting*. Pediatric Academic Societies' Annual Meeting, San Francisco, California, April.
29. Sullivan, R., Hayes, V.E. Bhagat, R., **D'Angiulli, A.**, Ford, L., George, A., Jamieson, L., Kiviste, L., Penner, N., Preston, B., Ratanshi, N., Robinson, S., Rosenthal, Z. (2005). *Evaluating support for foster parents: The Vancouver Coastal safe Babies Program*. Poster presented at the FASD National Conference, Victoria, BC February.
30. Reeves, A., & **D'Angiulli, A.** (2003). What does the visual buffer tell the mind's eye? *Abstracts of The Psychonomic Society*, 8, 82.
31. **D'Angiulli, A.** (2002). *Use of basic graphic symbols, depiction of perceptual principles, and pictorial devices in children with total blindness* [Abstract]. The 7th international Conference on Low Vision, 22 July, Goteborg, Sweden.
32. Maggi, S., Navoni, L., Andreini, M., & **D'Angiulli, A.** (2002). *Designing inclusive play environments for children with blindness and vision disabilities*. The 7th international Conference on Low Vision, 24 July, Goteborg, Sweden.
33. **D'Angiulli, A.** (2001). *Vividness vs. imageability: effects on word frequency and image latency*. Northwest Cognition and Memory, 3rd annual meeting, May 26, Vancouver BC.
34. Reeves, A. & **D'Angiulli, A.** (1999). *Size, time and vividness of mental images*. European Conference on Visual Perception. 22 August, Trieste Italy.
35. **D'Angiulli, A.**, Serra, E., & Siegel, L. (1998). *Reading in Italian and English*. Meeting of the International Academy for Research on Learning Disabilities. University of Padova (Padua), Italy, September.
36. **D'Angiulli, A.** & Reeves, A. (1998). *Vividness and the time to generate mental images*. Proceedings of the 69th annual meeting of the Eastern Psychological Association, Feb 27, Boston, MA.
37. Kennedy, J.M., & **D'Angiulli, A.** (1997). *Children exploring passively recognize as many tactile pictures as adults*. Biennial meeting of the Society for Research in Child Development, April, Washington DC.

b) to other academic bodies

1. D'Angiulli, A. (2023). *Development Neuroscience from applied empirical methods to theory*, paper presented at the Institute of Neurology & Neurosurgery, 2023 01 04, Havana, Cuba.
2. D'Angiulli, A. (2021). *Impact of COVID-19 on Children and Families: An Applied Developmental Science Study*. Brief prepared for The House of Commons' Standing Committee on Health study of the *Emergency Situation facing Canadians in Light of the COVID-19 Pandemic*, April 19, 2021, Ottawa (virtual meeting presentation by Zoom).
3. Hedayati, N. & D'Angiulli, A. *Effects of socially-based ensemble music training on children's executive functions: ERP evidence* Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science June, 2016, University of Ottawa in Ottawa.
4. *Education has more to offer to Neuroscience than vice versa*. Skype Brief presented to the National Institute of Education, Singapore, March 22, 2016.
5. *Found in Translation: How Neuroscience and Educational Research can influence each other, current examples, future agenda* – Western University, London, ON, December 2 2015.
6. *The pursuit of vividness: towards a neurocognitive model of visual consciousness*. Invited talk – Northeastern University, Boston, May 30 2015.
7. *Vivid representing: towards a continuity between perception and practical reasoning* – Université de Montréal, Département de psychologie, Centre de recherche en Neuropsychologie et Cognition (CERNEC), January 23, 2015
8. *Cultivating vivid representations* – Concordia University, Department of Psychology, December 2, 2011
9. *Lo ganado y perdido en la traducción visual: efectos de la facilitación y de la obstrucción léxica en imágenes mentales* [Gained and lost in visual translation: Effects of lexical priming and occlusion in mental images] invited talk, June 15, 2009. University of Granada, Spain.
10. *Is school gonna be cool? What could the learning sciences offer (that would really work) in Interior BC*. Seminar given at University of British Columbia Okanagan. December 2006, Kelowna, BC.
11. *HELP in building research capacity in Interior BC*. Paper presented at the UBC Human Early Learning Partnership Research Days, Green College, Vancouver, BC, May, 2006.

12. *Size, vividness, and the multiple mind's eye: A constructive integrative approach to visual imagery*. Paper presented at University of Prince Edward Island, Department of Psychology, April 2006.
13. *Research Activities at the Centre of Early Education & Development Studies: 10-months progress report*. Presented at the Research & Practice Symposium, School of Education University College of Cariboo, Kamloops BC, December 2004.
14. *What a social scientist should know about pre-frontal systems and their development: Executive function, attention, learning & memory*. Paper presented at the UBC Human Early Learning Partnership one-day retreat, Simon Fraser University, Harbour Centre Vancouver, BC, October, 2004.
15. *Schools, Homes and Brains: Theory, Data and Prospects for an Applied Developmental Cognitive Neuroscience*. Paper presented at the Telethon Institute for Child Health Research, Subiaco, Western Australia, July 2004.
16. *It takes a community to make a brain: Steps to a multidisciplinary framework for socioeconomic pressure*. Paper presented at the UBC Human Early Learning Partnership retreat, Faculty of Human and Social Development, University of Victoria, BC, June, 2003.
17. *The cognitive, social, and biological dynamics of school achievement: Intervening in the right place, at the right time, with the right tools*. Paper presented at University College of The Cariboo, Kamloops, BC, October, 2002.
18. *Reading development and disability in L1 and L2: Cognitive and environmental factors*. Seminar given at the Department of Educational and Counselling Psychology and Special Education, UBC, Vancouver, BC, June 2002.
19. *Will Harry Potter be enough? Cognitive and socioeconomic challenges to literacy development*. Seminar given at the meeting of the UBC Human Early Learning Partnership Group, Vancouver, BC, December 2001. (Available at http://www.earlylearning.ubc.ca/resources_slides_sem.htm).
20. *What do we learn from loss of vision: Cross-modal plasticity in blind children?* Seminar given at the UBC Human Early Learning Partnership retreat, Bowen Island, BC, December 2001.
21. *Reading development and disability in L1 and L2: Cognitive and environmental factors*. Seminar given at the Department of Educational and Counselling Psychology and Special Education, UBC, Vancouver, BC, June 2002.
22. *Environment, cognition, and plasticity of learning*. Paper presented at the Centre for Community Health & Health Evaluation Research, Vancouver BC (August, 2002).

c) non-academic talks

1. **D'Angiulli A.** (Key note) *Impact of air pollution on cognitive and brain functions*. Oral brief presented in the technical panel at 'The air we breathe': Air Pollution Health Impacts & Solutions for Child Protection; Evidence to Policy Symposium'; 31 July 2018; Aryaduta Jakarta, Gambir, Central Jakarta City, Indonesia; UNICEF Indonesia, Bappenas and partners.
2. **D'Angiulli A.** (Invited) Understanding decision behaviors in low-socioeconomic populations: from brain to meaning. Meeting of the Canada Learning Bond Champions' Network, Toronto, February 6, 2018.
3. **D'Angiulli A.** (Invited) Global Severe Air Pollution and the Brain: The leadership role of Mexico City for knowledge and action. XII International Congress of the Confederation of Postgraduate Students and Mexican Researchers in Canada – Ottawa ON- CEIMEXCAN 2017.
4. **D'Angiulli A.** (Invited) Environment and the cultivation of early socioemocognitive structures in children's brain. First International Biennial Conference on Early Childhood Care and Education. February 17, 2017. Mahe, Seychelles.
5. **D'Angiulli A.** (Key note) Nurturing learning from early childhood to adolescence: Interventions and individual brains. Symposium Brain research, teaching and learning in the 21st century: Making connections. International Bureau of Education – UNESCO and International Research Organization. December 12 2016, Geneva, Switzerland.
6. **D'Angiulli A.** (Key note) Good for the soul, good for the brain: Neurocognitive correlates of positive mental practice. I.Lead 2016 National Conference, United Islamic Organizations, Ottawa, April 16 2016.
7. **D'Angiulli, A.** Neuroscience and social inequality: Steps towards evidence-based social justice and positive science. Paper presented at the Men's Fellowship, St. Andrew's Presbyterian Church, Ottawa, Nov 24 2014.
8. **D'Angiulli, A.** Air pollution, brain and neurocognitive development in healthy children in Mexico City. Invited address given at the VIII Annual Conference of Mexican Graduate Students and Researchers in Canada (CEIMEXCAN) National Capital Region 2013, "Migrating Borders/Migrando Fronteras". UNAM October 11, 2013 Gatineau, Quebec Canada.
9. **D'Angiulli, A.** Social inequality and brain plasticity: Neuroscience's next decade agenda. Science Café'. September 26 2012.

10. **D'Angiulli, A.** *Flowers Far Away, Spinning Wheels, Highbeams and...Other Creative Haptic Contributions to Aesthetics, Art, & Psychology*, Invited public lecture, White Cane Week Series, National Gallery of Canada, 8 February, 2009.
11. Maggi, S. & **D'Angiulli, A.** Poster presented at *Mobilizing Knowledge to Support Student Achievement* conference, Algonquin College, Ottawa, May 2008.
12. Maggi, S., MacLennan, D., & **D'Angiulli, A.** "Trends of Gender Differences in School Achievement In Interior BC: Evidence From The JAKE Database, Theoretical Interpretations And Practical Implications". Workshop held at the *Gender and Student Achievement Conference*, School District 73, Kamloops BC, October 2007.
13. *CIHR-funded community-based research workshop*, University College of Cariboo, Kamloops BC, June 2004.
14. *Dad, please don't forget me in the shopping cart!* Paper presented at the Soroptimist Society International, Kamloops BC, May 2004.
15. *Effects of socioeconomic conditions on brain development and cognition.* "Beating the drums of success...Learning together in Partnership" Provincial Training Conference – Health Canada & BCMCFD, Vancouver, BC, February 2003.

Other Important Forms of Scholarly Productivity

1. *La imaginación no es anticipación: correlativos fenomenológicos, del comportamiento y neurales* [Imagining is not anticipating: Evidence from phenomenological, behavioral and brain data]. Seminar held at the Department of Translation, University of Granada, Spain June 15, 2009.
2. Undergraduate Information Session Faculty Research Talks, Dept of Psychology, March 2009: *Concealed images, vivid memories, EEG...and other strange (and Darn Interesting) things!*
3. Two-hour session for 2009 Master Workshop National Gallery of Canada - *Still - Life: Exploring Everyday Objects and Sculpture*. 3 February.

Research Grants

- a) Government or extra-university

Year	Funding details
2023	Deep learning exploration of conscious processes. Source: MITACS Globallink. PI, \$20,000
2020-2024	Neurocomputation of normal versus abnormal brain-body interaction for conscious reconfigurable and fault-tolerant robotics. Source: New

	Frontiers in Research Fund – Exploration. \$200,000; Co-Applicant (PI : Robin Chhabra)
2017-2021	Ramping up Neurocognition (RUN): The Impact of a teacher-led active play intervention on Kindergarten children's cognitive, social, and emotional development. Source: SSHRC, Insight Grant, , \$271,280 CO-investigator: Amedeo D'Angiulli (PI: Gary Goldfield)
2016-2017	Title: <i>Ramping up Neurocognition (RUN): A Randomized Controlled Pilot Trial Examining the Effects of Physical Activity Promotion on Neurocognitive Development in Young Children</i> Source: Children's Hospital of Eastern Ontario research Institute, Research Growth Award. Co-PI: Amedeo D'Angiulli with Gary Goldfield, Lead CHEO HALO research group
2014-2015	Title: <i>Helping Children's Brains 'Tune In' & Pay Attention with Music</i> Source: Futurefund Canada. Amount\$ 12,249.79; PI: Amedeo D'Angiulli
2013	Title: <i>Orkidstra - research project</i> Source: J.W. McConnell Family Foundation. Amount: \$5000; PI: Tina Fedeski, Leading Note Foundation; Co-PI: Amedeo D'Angiulli with Tina Fedeski, CEO Leading Note Foundation
2013-2015	Title: RECON: <i>Context-Aware Case-Based Reasoning for the Intelligence Virtual Analyst Capability (iVAC)</i> Source: DND/NSERC. Amount: 90,000. Role: PI
2012-2013	Title: <i>Growing up with pollution in Mexico City.</i> Source: Association of Universities and Colleges of Canada/ LACREG program. Amount: \$11,600. Role: PI
2011-2013	Title: <i>Variación denominativa en medicina: recurso multimodal multilingüe para investigación y divulgación</i> [Denominative variation in medicine: Multimodal multilingual resources for research and dissemination]. Source: Ministry of Science and Innovation, Government of Spain. Amount: Euros 30,000. Role: Co-applicant
2011-2013	Title: <i>Deeper into vividness: Towards a unitary framework for mental imagery.</i> Source: SSHRC/ Standard research grant. Amount: \$81,250. Type: Operating; 2 grantees. Role: PI
2010	Title: <i>Development 2010, A Canadian conference of Developmental Psychology.</i> Source: SSHRC; Program: Aid to Research Workshops and Conferences in Canada. Amount: \$26,824; 7 grantees. Role: Co-applicant
2008-2009	Title: <i>EEG and ERP correlates of selective attention and vocabulary development in children living in Interior BC.</i> Source: BC Ministry of Family and Child Development. Amount: \$17,000. Type: Research award; Role: PI; RENEWAL.
2007-2008	Title: <i>EEG and ERP correlates of selective attention and vocabulary development in children living in Interior BC.</i> Source: BC Ministry of Family and Child Development. Amount: \$20,000, Type: Research award, Role: PI

2007-2009	Title: <i>Children's health and developmental pathways in BC: Trajectories of vulnerability</i> . Source: CIHR/Interdisciplinary capacity enhancement grant. Type: operating. Amount: \$293,371. Type: Operating; 5 grantees. Role: Co-PI
2007-2009	Title: <i>Do mother and child stress intersect with neighbourhood characteristics to explain developmental trajectories from 3 to 5 years in "off-diagonal" communities in BC?</i> Source: SSHRC/ Standard research grant. Amount: \$110,322. Type: Operating; 8 grantees. Role: co-applicant
2006-2009	Title: <i>What turned your life around? Using administrative school data as a window on child development</i> ; Source: SSHRC Standard research grant. Amount: \$121,694, Type: Operating; 4 grantees. Role: PI
2006-2008	Title: <i>SES effects on selective auditory attention and processing: A MEG source modeling study</i> ; Source: Human Early Learning Partnership. Amount \$50,000, Type: Equipment and operating; 4 grantees, Role: Co-applicant
2006-2007	Title: <i>Evaluating the interacting effects of school readiness, family, neighbourhood and school characteristics on children's early academic achievement through linkage with administrative data</i> . Source: Pilot tools and methods IPPH- CIHR. Amount: \$76,706. Type: Operating; 6 grantees. Role: co-applicant
2006	Title: <i>JAKE – Justification and Accountability in Kamloops Education database</i> . Source: School District 73, Thompson/Kamloops Region BC. \$7,500. Type: Operating. Amount: Role: PI
2005-2006	Title: <i>Linking children with services in Interior British Columbia with M.U.C.H., Mobile Unit for Child Health</i> . Source: Human Early Learning Partnership. Amount: \$45,000. Type: infrastructure. Role: PI
2005-2009	Title: <i>Investigating the impacts of economic dislocation and changing community social fabric on health and educational outcomes among adults, children and adolescents in urban, rural, and northern resource-dependent regions in British Columbia</i> . Source: CIHR/New Emerging Teams. Amount: \$1,500,000. Type: Operating; 8 grantees. Role: Co-PI
2005-2006	Title: <i>Exploring child health and development in rural BC</i> . Source: Community Trust Fund (BC) – Rotary Club. Amount: \$20,000. Type: Infrastructure and equipment. Role: PI
2004-2008	Title: <i>Child and Youth Development Trajectories Research Unit</i> . Source: Michael Smith Foundation for Health Research. Amount: \$2,500,000. Type: Infrastructure/equipment; 15 grantees. Role: co-applicant
2005	Title: <i>Pathways of development and health behaviours: Comparing trajectories of vulnerability among Canadian and Australian youth</i> . Source: Development Grant-CIHR. Amount: \$5,000. Type: seed grant, 7 grantees. Role: co-applicant
2005	Title: <i>Childrens' health and developmental pathways in BC: Trajectories of vulnerability</i> . Source: Source: Development Grant-CIHR. Amount: \$5,000. Type: seed grant, 5 grantees. Role: co-applicant
2005	Title: <i>Exploring the Neural Gradient Hypothesis with EEG-ERP</i> . Source: Human Early Learning Partnership. Amount: \$35,000. Type: operating. Role: PI
2004	Title: <i>Centre for early Intervention and development</i> . Source: Canadian Fund for Innovation. Amount: \$250,000. Type: Infrastructure. Role: PI

2004	Title: <i>Matching funds for CFI Canada Research Chair research program</i> . Source: British Columbia Fund for Knowledge and Development. Amount: \$250,000. Type: Infrastructure. Role: PI
2004-2006	Title: <i>Linking children with services in Interior British Columbia</i> . Source: Community Fund: Kamloops Foundation. Amount: \$2,000. Type: equipment. Role: PI
2003-2006	Title: <i>Safe Babies Research Project</i> . Source: BC Ministry of Child and Family Development (MCFD). Amount: \$94,200. Type: operating. 5 grantees. Role: co-applicant
2002-2004	Title: <i>Neural gradients, socioeconomic context and child development outcomes</i> . Source: Human Early Learning Partnership. Amount: \$156,000. Type: Infrastructure and equipment; 4 grantees. Role: co-applicant

b) University

Year	Funding details
2022-23	EEG-EL, comprehensive in-class research-grade electrodynamic (EEG-based) neuroimaging training; Carleton University Experiential Learning Fund (CUELF); \$ 9000.
2020-2022	International Network on Human and Artificial Iconic Neural Computation (INHAINC); Carleton University, CORIS/International Research Seed Grant (PI) \$10,000.
2016-17	Title: <i>Neurocognitive Correlates of Physical Activity Promotion in Young Children</i> . Development Grant, Office of the Vice-President Research and International: \$8,300. Role: PI
2012-2014	Title: <i>Piloting a new cortisol-EEG protocol for community based health brain research in children and families</i> . Carleton University, Faculty of Science: \$ 25,000. Role: PI
2011-2012	<i>Ottawa Cluster for Excellence in Advanced Neurosensing</i> . Carleton University/ Research Excellence Fund. Amount: \$ 78,360.56 Role: PI
2009	<i>SSHRC Institutional grant</i> , \$3,500
2007	<i>FASS Start-up funds</i> , \$32,000

c) Other: Service to Community

Member, Board of Directors, Ottawa Montessori School, 2008-2010

Member, Advisory Board, Algonquin College, Early Childhood Education, 2010-2011; 2015-present

Service to the Profession

a) Offices in learned societies

Member – Association for Psychological Science (2006-2011)

Member – European Society for the Study of Cognitive Systems (1995 - 2008)

Member – Eastern Psychological Association (1997-1998)

Member – Cognitive Science Society (2005-present)

Member – Canadian Language & Literacy Research Network (2005 – 2007)

b) Scholarly assessments

Ad hoc journal referee: Scientific Studies of Reading; International Journal of Behavioural Development; Neuropsychologia; Imagination, Cognition & Personality, Journal of Learning Disabilities, Educational Psychology, Medical Science Monitor, Sociology of Education, Journal of Child Language, Brain & Cognition, PLoS ONE, Quarterly Journal of Experimental Psychology, Canadian Journal of Experimental Psychology, Open Education Journal, American Journal of Psychology, Child Development, Biosystems, Consciousness & Cognition, Developmental Cognitive Neuroscience, Frontiers in Human Neuroscience, Frontiers in Developmental Psychology, Child: Care, Health and Development, Environmental Research, Scandinavian Journal of Psychology, Brain Research, Journal of Experimental Psychology: Applied. Consciousness & Cognition, Mind, Brain & Education, Biological Psychiatry, Frontiers in Neuroendocrine Science, Psychology of Consciousness, Canadian Journal of Behavioural Science, Psychology & Neuroscience, Psicologica, Computers in Biology & Medicine, Reading & Writing, Journal of Cognitive Development, Cognitive Processing, Frontiers in Educational Psychology, Baywood Inc. Publishing, Neurotoxicology & Teratology, Environmental Research, Psychophysiology, International Journal of Psychophysiology, Environmental Pollution, Behavioral, Affective and Cognitive Neuroscience, Frontiers in Pediatrics, Environmental International.

Referee for the *Proceedings of the Cognitive Science Society Annual Meetings* (2005-2010)

Member of Peer Review Committee, Development 2010 conference

Member of Organizing Committee, 2010 Summer Computer Simulation Conference (SCSC'10)

External reviewer for Granting Agencies (2004 – present):

CFI – Quebec (Fondation canadienne pour l'innovation, Gouvenment du Quebec).

FQRSC - Fonds Quebecois de la Recherche sur la Societe et la Culture.

NSERC – strategic and individual discovery grants programs

CIHR – operating grants programs

The Medical Faculty of Heinrich-Heine-University, Düsseldorf, Forschungskommission
– Division of Neuroscience

Medical Research Council, UK, reviewer

Qatar University Internal Seed grants program, reviewer

Israel Science Foundation, ad hoc reviewer

Swiss National Science Foundation, ad hoc reviewer

Member of grant adjudication committee (2004-2012):

SSHRC – Insight grants (2012-2014)

CFI – Quebec (Fondation canadienne pour l'innovation, Gouvenment du Quebec).

FQRSC - Fonds Quebecois de la rRcherche sur la Societe et la Culture.

**Chair – SSHRC Insights Grants – Psychological, behavioural and brain sciences
Committee I - 2018**

External examiner:

Joshua Bowie, *Neural Reuse: A new perspective on the fusiform face area*, 2015 MA
Thesis Cognitive Science, Institute of Cognitive Science, Carleton University

Yasmine Boumenir, *Haptic processing in sighted, blind and visually impaired adults*
2010 PhD Thesis CNRS UMR Montpellier, France

Kia Solomon, *The response of two BC sawmill communities to the recession of the early
1980S*, 2006 MA thesis, University of British Columbia, Department of Health Care &
Epidemiology

Peter Vlahos, *Developing group homes for youth on first nation in British Columbia:
some considerations*, 2005 MSW thesis, University of British Columbia, Department of
Social Work

Contracts

July-August 2018 – UNICEF Indonesia, production of technical brief on air pollution
impact on neurocognitive development: Amount funding: 2,220.00 US

Oct 2016-Dec2016: International Bureau of Education, UNESCO: productions of 6 briefs
on knowledge mobilization of neuroscience evidence and the learning sciences for policy,
for the benefit of teachers, government officials and policy makers: Amount of funding:
20,000 Euros.

September 2012-March 2014: National Research Council of Canada – Construction (Lead: Jennifer A. Veitch) Effects of Luminous Modulation on Cognitive Performance, Eye Movements, and Brain Function National Research Council – Construction: Amount of funding: \$50,000

2012-2013. Ottawa Catholic School Board. Principal Applicant: Maggi S. (co-applicants: **D'Angiulli** and Kirby) Source: Ottawa Catholic School Board and MISA Professional Network Centre Topic: Reducing gender gap in education: Recommendations for policy and educational practice. Amount of funding: \$5,000.

2011-2012. Ottawa Catholic School Board Principal Applicant: **D'Angiulli** (co-applicants: Maggi S. and Kirby) Source: Ottawa Catholic School Board and MISA Professional Network Centre Topic: Early versus late start times: Recommendations for policy and educational practice. Amount of funding: \$5,000.

2011-2012. Ottawa Catholic School Board . Principal Applicant: **D'Angiulli** (co-applicant: Mike Stewart) Source: Ottawa Catholic School Board and MISA Professional Network Centre Topic: Middle school students and the new media literacy: opportunities and challenges for its use in the curriculum. Amount of funding: \$3,000.

Consultancies

Reviewer for UNICEF New York, Fall 2018 press release brief “clean the air for children”: <https://resourcecentre.savethechildren.net/library/clear-air-children>

Technical consultation for ‘The air we breathe’: Air Pollution Health Impacts & Solutions for Child Protection; Evidence to Policy Symposium’; 31 July 2018; Aryaduta Jakarta, Gambir, Central Jakarta City, Indonesia; UNICEF Indonesia, Bappenas and partners.

The Ontario’s School Effectiveness Framework: A critical review of the supporting evidence. Ottawa Catholic School Board. (see technical reports section)

The study of the effects of severe air pollution in children through Measurement and anatomical interpretation of Brainstem Auditory Evoked Potentials (2009) for Lilian Calderon-(University of Montanta & Mexico City)

Early Screening and Identification Committee (2004-2005), Make Children First, Kamloops, British Columbia.

Canadian Braille Authority, Report of Tactile Graphics, Sub-Committee Part 3 (July, 2003), assisted Prof Cay Holbrook (UBC, Special Education) with preparation of experimental design, testing, statistical analyses and report writing. (http://www.canadianbrailleauthority.ca/docs/Report_Tactile_Graphics_part3.pdf)

Documentary "Dyslexia at School", 2001, Ocean Tides Productions Inc. Directed by Lawrence Carota. Served as Scientific advisor.

EDI project (2001, Dafna Kohen, UBC, Department of Epidemiology & Health Care): Helped design statistical analysis (multilevel and multiple regression analyses).

Academic Responsibilities

a) Graduate courses taught

Date	
2021-2022 2022-2023	Special Topics in Neuroscience (NEUR 5800)
2010-2011	Pro-seminar in Psychology I & II (PSYC 6906, 6907)
2009-2010	Cognition I (PSYC 5703)
2008-2010	Graduate methodology rotations (i.e., CGSC 6905)
2007-2008	Special Topics in Psychology: Visual Cognition (PSYC 5800)
2002-2004	Learning Disabilities (at UBC)
2003-2004	Exceptional Children (at UBC)

b) Undergraduate courses taught

Date	
2014-2015	Introduction to Neuroscience Techniques (NEUR 2003)
2012-2013 To 2022-2023	Neuroscience of Consciousness (NEUR 3303)
2013-2014 To 2022-2023	Neuroscience and Creativity (NEUR 2801)
2010-2011 to 2020-2021	Issues in Child Studies (CHST 2502, CHST 2504)
2013-2014 to 2019-2020	Theoretical Advances in Developmental Science (CHST 3003)
2010-2011 2008-2009 2014-2015	Child Studies Honours project seminar (CHST 4908)
2009-2010	Cognitive Psychology (PSYC 2700)
2008-2009	Cognitive Development (PSYC 3506)
2007-2008	Special Topics in Psychology: Visual Cognition (PSYC 4100)
1998-2009	Cognition Lab (at Northeastern University)
1997-2008	Statistics I & II (at Northeastern University)

c) Independent studies (i.e., PSYC 4902 & 4902) Fall 2007, Fall 2008, Fall & Winter 2009; Fall & Winter 2010; Fall 2011.

d) Supervision

Postdoctoral

Anthony Herdman (2006-2007). Centre for Early Education and Development Studies, Thompson Rivers University

Severine Merand (2006). Centre for Early Education and Development Studies, Thompson Rivers University & Northeastern University, Boston

Ph.D.

Anthony Jeremiah (2006) School of Education, Thompson Rivers University and Capella University (online program), Using the converging methods approach to understand the Stroop effect and visual word recognition. *Dissertation Abstracts International*, 67(04), 2252B. (UMI No. 3215970).

Derrick Matthew Buchanan (2022) Dept of Neuroscience, Carleton University, ADHD diagnosis and treatment, genetic, environmental and neuroimaging and neurostimulation approaches

Internships and honours supervisions at TRU

Joshua Miller – BBA (Marketing, major, 2006) TRU Comprehensive University Education Fund research scholarship recipient.

George Garrett – BA (Psychology major, 2006) TRU Comprehensive University Education Fund research scholarship recipient.

Christine Miller – BSc, Honours (2004), BEd (2006) Human Early Learning Partnership Internship

Peter Grunau - (MD 2006) Human Early Learning Partnership & Rural Medicine program internship, University of British Columbia.

Child Studies

1. Karmelann Crozier - *Life and death in aboriginal communities: does parenthood and pregnancy affect thoughts of suicide in teens?* – COMPLETED - Honour's Thesis

2. Fushia Featherstone-Mikic - *The development of haptic drawing production and pictorial sensitivity in children who are blind: A review of evidence and implications for inclusive education* – COMPLETED - Honour's Thesis

3. Kathryn Brown: *Outcomes for children and youth: A comparative study of high and low SES groups* – COMPLETED – Honour's Thesis

4. Kylie Schibli – *Socioeconomic status and brain development across childhood* – COMPLETED – Honour's Thesis

5. Tanya Thomson - *Interviewing Parents Regarding Their Thoughts on Involving Their Children in Studies Utilizing Neuroimaging Technologies* COMPLETED – Honour's Thesis

Directed Interdisciplinary Studies

Denise Delle Palme – COMPLETED - Honours Thesis (co-supervised with Stefania Maggi)

Psychology

1. Rebecca Holtby: COMPLETED – MA Thesis - *Effects of interference on recognition of tactile pictures in blindfolded sighted participants.*
2. Tara Ouelette: COMPLETED – MA Thesis– *Childcare usage among Canadian preschoolers with early observable differences.*
1. Anthony Maki: Cortisol and self-report stress in daycares: Children, parents and careworkers – COMPLETE – Honours Thesis.
2. Bryna Prubant: *The Best Time to Learn: Cognitive Performance and Neural Correlates of Misaligned Circadian Rhythms in Adolescents* - COMPLETED - Honour's Thesis
3. Michelle Guevara: *Imagery priming and interference* -COMPLETED- Honours Thesis
4. Wei-Hsien Yeh: COMPLETED - Honours Thesis - *The sleep pattern and time of testing influences on Stroop task event-related potential and event-related bandpower of female high-school students.*
5. Leslie Lavoie: *Perky effect and visual imagery individual differences* COMPLETED- Honours Thesis
6. Jennifer Goldberg: *Perky effect and personality* COMPLETED- Honours Thesis
7. Kara Haggarty: *Does Socioeconomic status influence recovery from brain injury?* COMPLETED – Honour's thesis
8. Anthony Maki: *Cortisol and self-report stress in daycares: Children, parents and careworkers* – COMPLETED – Honours Thesis.

Neuroscience

1. Dana Wymark – Attention deployment and haptic pattern exploration in congenitally totally blind and severely low vision children: A machine learning approach – MSc- WRITING
2. Shanine Kamgang - Cognitive Neuroimaging Studies on Poverty and Socioeconomic Status Differences in Children and Families across the World – COMPLETED – MSc Thesis
3. Etienne Lefebvre – Vividness of imagery, Resting State Networks and Marijuana Consumption: EEG/ERP and fMRI combined methods – PLANNING – MSc Thesis
4. Matthew Buchanan: ADHD diagnosis and treatment, genetic, environmental and neuroimaging and neurostimulation approaches– MSc Thesis _ COMPLETED
5. Darren Kenney: Individual Differences in the Suppression of Visual Perception During Mental Imagery Generation: A Proposed Neural Mechanism – COMPLETED – Honours
6. Jeremy Grant: Neuropsychological dissociative and associative patterns in developmental dyslexia, acalculia and double disability: a large database study– COMPLETED – MSc. Thesis

7. Nina Heyadati – Assessing an ensemble music training intervention (“El Sistema”) for socially disadvantaged children: ERP and meta-analytic evidence – COMPLETED – MSc. Thesis
8. Faiza Omer – Neural correlates of rote memory: Auditory interference and working memory capacity in children and young adults during Quranic recall using electroencephalography – COMPLETED – MSc Thesis
9. Kyle Wong – ADHD, depression and conduct disorders diagnosis in twins depend on zygosity, gender and parenting – COMPLETED – Honours
10. Kylie Schibli: Socioeconomic neurogradients of selective attention – COMPLETED – MSc. Thesis
11. Andrew Faulkner: *EEG correlates of imagery, emotion, and addiction* – COMPLETED – MSc. Thesis
12. Faiza Omer: EEG Correlates Working Memory Mechanism and Auditory Imagery Behind Quran Memorization in Arabic Non-Comprehending Children Using Auditory Interference. COMPLETED – Hon Thesis
13. Kayla Jo Wells: School days sleep deprivation and Stroop neurocognitive performance in female adolescents – COMPLETED – Hon Thesis
14. Sydney MacDonald: Racial differences in the recovery of traumatic brain injuries: a meta-analysis – COMPLETED – Hon Thesis
15. Matthew Runge: Neural correlates of real and impossible gravitational fall trajectories — COMPLETED – MSc. Thesis.
16. Patricia Van roon: Effects of LED flickering on mental fatigue, attention, and reading performance: an EEG/ERP study – COMPLETED –MSc. Thesis.
17. Alice Olesinska: Implicit and explicit issues in the cognitive developmental neuroscience of socioeconomic inequality – COMPLETED – Honours thesis
18. James Brooks: EEG correlates of massage therapy and reaction to emotionally negative stimuli– COMPLETED – Honours thesis
19. Selvana Morcos: Patterns of hemispheric asymmetry in reading disabled, math disabled and double deficit children and adults– Honours thesis – COMPLETED
20. Val Bakhilau: Meta-analytic relations between VVIQ, vividness ratings, behavioral and neural measures– Honours thesis – COMPLETED
21. Sam Brokemeyer: Air Pollution, Neuroinflammation and Child’s Brain Development – COMPLETED – Honours thesis
22. Mason McDonald: A safety study on transcranial direct current stimulations in children – COMPLETED – Honours Thesis
23. DM Buchanan, PhD (completed);
24. E Lefebvre MSc (in progress);
25. S Kamgang MSc (in progress),
26. Guillaume Lockman-Dufour Hon. (completed);
27. Yara Mahfaza Hon (in progress);
28. Megan Lord Hon (in progress);
29. Taylor Hirsch Hon (in progress);
30. Sophie Delorme Hon (in progress);
31. Tavneen Sandhu Hon (in progress).

Cognitive Science

1. Etienne Lefebvre – Reductionism or Complexity : A cross-discipline analysis of variability within data on attentional processes – COMPLETED – Honours
2. Jeremy Kielbisky – Electroencephalographic Cortical Localization to Achieve Directed Linguistic Output - COMPLETED - Honours
3. Gordon Griffiths: *Cognitive modeling of event related potentials* COMPLETED – MA thesis (co-supervised with Robert West)
4. Matthew Derrick Buchanan: ERP correlates of perception-imagery interaction – COMPLETED – Honours thesis

Integrated Sciences

1. Julius Spring: Socioeconomic, ethnic and educational background influences head injury recovery: An exhaustive meta-analysis – COMPLETED – Honours Thesis
2. Alana Ali-Ridha: EEG evidence that fascial full-skin contact massage decreases emotional and arousal response to emotionally negative perception and imagery – COMPLETED – Honours Thesis
3. Christina Ou: An electrophysiology electrophysiological study of the Process of Concrete and Abstract Words processing in Children – COMPLETED – Honours Thesis
4. Orezy Imomoh: *Links between selective attention, stress and cortisol: review of neurophysiological evidence in humans and animals* – COMPLETED Honours Essay Thesis
5. Ghazaleh Nourparvar: *Mental images and the brains that produce them: an eeg study of addiction, craving, depression and anxiety* – Honours thesis – COMPLETED – Honours Essay Thesis

a) Thesis boards participated on in a capacity other than supervisor:

1. Jessica Gunnell, MA Psychology
2. Lindsay Reicker, MA Psychology
3. Michael Anderson, MA Psychology
4. Jessie Howell, MSc Neuroscience
4. Robert Thomson, PhD Cognitive Science
5. Marcie Penner-Wilger, PhD Psychology
6. Lindsay Berrigan, PhD Psychology
7. Claire Foottit, PhD Physics

Administrative Responsibilities at Carleton

a) Department

Graduate Committee member – Department of Neuroscience, 2016-2018; 2019 – present
 Graduate Committee Member – Department of Psychology, 2007 – 2008
 Undergraduate Committee Member – Department of Psychology, 2008 – 2010
 Research Ethics Board member – Department of Neuroscience, Psychology, 2012 - 2015

Child Studies Committee Member – Institute of Interdisciplinary Studies, 2008 – present
Instructor Hiring Committee – Institute of Interdisciplinary Studies, 2009 - 2016
Child Studies Program coordinator 2010-2011; 2013-2014,
Academic Advisor: 2014-2017

Scholarships selection committee – Directed Interdisciplinary Studies, 2008 – 2011
Human Research Ethics Board – Psychology, 2012-2014

b) Faculty
FASS executive board member 2010

c) University
JCAA – Teaching evaluations subcommittee 2010 – 2015
Grievance committee member 2015 – 2018; 2020-