

CURRICULUM VITAE

Celia Goffin

Department of Psychology, Brain and Mind Institute
The University of Western Ontario
London, ON, Canada, N6A 3K7

Email: cgoffin@uwo.ca

Education:

2015-2019 PhD – Developmental Psychology at the University of Western Ontario
2013-2015 Master’s of Science – Developmental Psychology at the University of Western Ontario
2008-2012 BA Honors Specialization in Psychology at the University of Western Ontario

Postdoctoral Research Positions:

2020-present Mitacs Elevate Postdoctoral Fellowship – University of Western Ontario and JUMP Math. Supervisor: Daniel Ansari
Oct-Dec 2019 Postdoctoral Associate – University of Western Ontario. Supervisor: Daniel Ansari

Publications:

- Goffin, C.,** Slipenkyj, M., Vogel, S. E., Merkley, R. & Ansari, D. (in preparation). Investigating age-related changes in symbolic number processing in the brain: A replication study
- Colling, L., Szűcs, D., ... Ansari, D., **Goffin, C.**, Sokolowski, H. M. ... (2020). Registered replication report of Fischer, Castel, Dodd, and Pratt (2003). *Advances in Methods and Practices in Psychological Science*
- Goffin, C.,** Vogel, S. E., & Ansari, D. (2020). A comes before B, like 1 comes before 2. Is the parietal cortex sensitive to ordinal relationships in both numbers and letters? An fMRI-adaptation study. *Human Brain Mapping, 41(6)*, 1591-1610.
- Goffin, C.,** Sokolowski, H. M., Slipenkyj, M. & Ansari, D. (2019). Does writing handedness affect neural representation of symbolic number? An fMRI Adaptation Study. *Cortex, 121*, 27-43.
- Goffin, C. & Ansari, D.** (2019). How are symbols and non-symbolic numerical magnitudes related? Exploring bidirectional relationships in early numeracy. *Mind, Brain, and Education*. <https://doi.org/10.1111/mbe.12206>
- Goffin, C. & Ansari, D.** (2018). Can brain training train your brain? Using the scientific method to get the answer. *Frontiers for Young Minds, 6(26)*, doi: 10.3389/frym.2018.00026

Vogel, S. E., **Goffin, C.**, Bohnenberger, J., Koschutnig, K., Reishofer, G., Grabner, R. H. & Ansari, D. (2017). The left intraparietal sulcus adapts to symbolic number in both the visual and auditory modalities: Evidence from fMRI. *NeuroImage*, 153, 16-27.

Goffin, C., & Ansari, D. (2016). Beyond magnitude: Judging ordinality of symbolic number is unrelated to magnitude comparison and independently relates to individual differences in arithmetic. *Cognition*, 150(2016), 68-76.

Vogel, S. E., **Goffin, C.** & Ansari, D. (2015). Developmental specialization of the left parietal cortex for the semantic representation of Arabic numerals: An fMR-Adaptation study. *Developmental Cognitive Neuroscience*, 12(2015), 61-73.

Scholarships, Achievements and Awards:

2020-2022	Mitacs Elevate Postdoctoral Fellowship – C\$120, 000
2018-2019	Accepted Ontario Graduate Scholarship (OGS) – C\$15, 000
2015-2018	Accepted National Sciences and Engineering Research Council of Canada (NSERC) – PGS-D – C\$63,000
2017-2018	Doctoral Excellence Research Award (DERA) – C\$10, 000
2016-2017	Doctoral Excellence Research Award (DERA) – C\$10, 000
2015-2016	Offered Ontario Graduate Scholarship (OGS) – C\$15, 000
2015	Awarded Leola E. Neal Award for Best Master’s Thesis in Psychology – C\$700
2014-2015	Accepted Social Sciences and Humanities Research Council of Canada (SSHRC) – CGS-M – C\$17,500
2014-2015	Offered Ontario Graduate Scholarship (OGS) – C\$15,000
2012	The McClelland Award for best 4th year thesis (“Reliability and convergent validity of the numerical distance and priming distance effects”) – C\$500
2011-2012	Faculty Dependents’ Tuition Scholarship for University of Western Ontario Students
2008, 2010-2012	Dean’s Honor List
2009-2010	Faculty Dependents’ Tuition Scholarship for University of Western Ontario Students

Grants:

2020-2021	Social Sciences and Humanities Research Council of Canada (SSHRC) Partnership Engage Grant – C\$24, 650
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Academic Positions:

2018	UWO (Department of Psychology) Graduate Teaching Assistant for 2043A “Exceptional Children: Developmental Disabilities”
2017	UWO (Department of Psychology) Graduate Teaching Assistant for 3442F “Mind, Brain and Education”
2017	UWO (Department of Psychology) Graduate Teaching Assistant for 2035B “Understanding Yourself and Others”

2016	UWO (Department of Psychology) Graduate Teaching Assistant for 2040A “Child Development”
2015	UWO (Department of Psychology) Graduate Teaching Assistant for 2043B “Exceptional Children: Developmental Disabilities”
2014	UWO (Department of Psychology) Graduate Teaching Assistant for 3301F “Clinical Psychology”
2013-2014	UWO (Department of Psychology) Graduate Teaching Assistant for 2800E “Research Methods in Psychology”
2012-2013	UWO (Department of Psychology) Research Assistant for Dr. Ansari, in Numerical Cognition Lab
2011-2013	UWO (Department of Psychology) Developmental Recruitment at Victoria Hospital (in Post-Natal Care)

Oral Presentations

- Goffin, C., Sokolowski, H. M. & Ansari, D. (2018).** Does writing handedness affect neural representation of symbolic number? Research Seminar in Cognitive, Developmental and Brain Sciences, University of Western Ontario, Canada.
- Lyons, I. M., Hutchison, J. E., Bugden, S., **Goffin, C.**, & Ansari, D. (2018). Kindergarteners reliably mis-classify ordered sequences of non-adjacent numbers. Mathematical Cognition and Learning Society (MCLS), Oxford, U.K.
- Goffin, C., Vogel, S. & Ansari, D. (2017).** Do general ordinal relationships account for symbolic number representation? An fMR-adaptation study. Research Seminar in Cognitive, Developmental and Brain Sciences, University of Western Ontario, Canada.
- Goffin, C., Vogel, S. & Ansari, D. (2016).** Do general ordinal relationships account for symbolic number representation? An fMR-adaptation study. Developmental Brown Bag, University of Western Ontario, Canada.
- Goffin, C., Ansari, D., Campbell, C., Frid, P., & Mazza, E. (May 2016).** Numerical processing in children with cerebral palsy. Child Health Symposium, Thames Valley Children’s Centre, London, Canada.
- Goffin, C. & Ansari, D. (April 2016).** Number processing and math in children with cerebral palsy. Developmental Brown Bag, University of Western Ontario, Canada.
- Goffin, C. & Ansari, D. (March 2016).** Research update: Numerical processing in children with cerebral palsy. CP-NET Annual Workshop, Toronto, Canada.
- Goffin, C. & Ansari, D. (2014).** Measuring symbolic numerical processing in adults. Developmental Brown Bag, University of Western Ontario, Canada.
- Goffin, C., Vogel, S. & Ansari, D. (2014).** Reliability and validity of effects commonly used in numerical cognition research. Numerical Cognition Research Retreat, Bayfield, Canada.
- Vogel, S.E., **Goffin, C.** and Ansari D. (2014). Developmental changes in the cortical representation underlying the semantic processing of numerical symbols. Junior Researcher (JURE) Konferenz 2014, European Association for Research on Learning and Instruction (EARLI), Nikosia, Zypern.
- Goffin, C. & Ansari, D. (2014).** Numerical cognition in children with cerebral palsy. Paediatric Neuroscience Rounds, Thames Valley Children’s Centre, London, Canada.
- Goffin, C. & Ansari, D. (2013).** Numerical cognition in children with cerebral palsy. Developmental Brown Bag, University of Western Ontario, Canada.

Vogel, S. E., **Goffin, C** & Ansari, D (2013). Entwicklungsbedingte Veränderungen der neuronalen Korrelate für die Repräsentation symbolischer Zahlenmenge (Developmental changes of the neural correlates associated with symbolic numerical magnitude representation). Fachgruppentagung für Pädagogische Psychologie, Hildesheim, Germany.

Poster Presentations

Goffin, C., Sokolowski, H. M., Slipenkyj, M., & Ansari, D. (2019). Is writing handedness involved in the neural representation of symbolic number? Mathematical Cognition and Learning Society (MCLS), Ottawa, Canada.

Goffin, C., Sokolowski, H. M., Matejko, A. A., Bugden, S., Lyons, I. M. & Ansari, D. (2018). Assessing knowledge translation in the field of mind, brain and education in pre-service teachers. International Mind, Brain, and Education Society Conference, Los Angeles, U.S.

Goffin, C., Vogel, S. E. & Ansari, D. (2018). Do general ordinal relationships account for symbolic number representation? Mathematical Cognition and Learning Society (MCLS), Oxford, U.K.

Goffin, C., Vogel, S. E. & Ansari, D. (2017). Do general ordinal relationships account for symbolic number representation in the brain? An fMRI adaptation study. 29th APS Annual Convention, Boston, MA, United States.

Vogel, S. E., **Goffin, C.**, Lyons, I. M., Bohnenberger, J., Koschutnig, K., Reishofer, G., Grabner, R. H. & Ansari, D. (September 2016). The neural correlates of auditory and visual symbolic number processing: Investigations with fMRI adaptation. International Mind, Brain and Education Society Conference, Toronto, Canada.

Goffin, C. & Ansari, D. (2015). Measuring symbolic numerical processing in adults. Inaugural Brain and Mind Institute Symposium, London, Canada.

Goffin, C. & Ansari, D. (2015). Measuring symbolic numerical processing in adults. NIH Math Cognition and Learning Conference, St. Louis, U.S.

Goffin, C. & Ansari, D. (2015). Measuring symbolic numerical processing in adults. Lake Ontario Visionary Establishment (LOVE), Niagara Falls, Canada.

Goffin, C., Vogel, S. E., & Ansari, D. (2014). Reliability and convergent validity of the numerical distance, priming distance and congruency effects. Minds on Minds Symposium, London, Canada.

Goffin, C., Vogel, S. E., & Ansari, D. (2014). Reliability and validity of effects commonly used in numerical cognition research. Banff Annual Seminar in Cognitive Science (BASICS), Banff, Canada.

Vogel, S.E., **Goffin, C.** and Ansari, D. (2014). Developmental specialization of the parietal cortex for symbolic numerical magnitude representation. SIG22 Neuroscience and Education meeting of the European Association for Research on Learning and Instruction (EARLI), Göttingen, Germany.

Vogel, S. E., **Goffin, C.** & Ansari, D. (2013). Developmental changes in the cortical representation underlying the semantic processing of numerical symbols. Brain Plasticity, Learning, and Education Symposium, London, Canada.

Academic Activities

- Assistant Poster Reviewer of the 2019 Cognitive posters for the 31st APS Annual Convention, Washington, D.C., United States.
- Volunteer at the 2018 International Mind, Brain and Education Society Conference, Los Angeles, United States.
- Assistant Poster Reviewer of the 2018 Cognitive posters for the 30th APS Annual Convention, San Francisco, California, United States.
- Attendee of the 2017 FSL course, organized by FMRIB, University of Oxford - Vancouver, Canada.
- Assistant Poster Reviewer of the 2017 Cognitive posters for the 29th APS Annual Convention, Boston, MA, United States.
- Volunteer at the 2016 International Mind, Brain and Education Society Conference, Toronto, Canada.
- Co-Organizer of the Developmental Brown Bag Series 2013/14 in the Department of Developmental Psychology at The University of Western Ontario, Canada.

Media Contributions:

Goffin, C. (2019). Radio Interview on the Craig Needles Show, *AM980*

Goffin, D. & Ansari, D. (2019). “Hand dominance not a factor in how brains process digits: Western study”, London Free Press article.

Goffin, C. & Sokolowski, H. M. (2019). “A Brief Conversation” Radio Interview with Stephen Hurley, *voicEd Radio*.

Goffin, C. (2018). The development of number processing in the brain! Newsletter entry for *Language, Reading, and Math in Children*, Volume 11.