

Anna A. Matejko

Research Assistant Professor • Georgetown University

Address:	Georgetown University Medical Center Center for the Study of Learning Department of Pediatrics 4000 Reservoir Rd NW Building D, Suite 150 Washington DC, USA, 20007	Phone:	+1 (202) 687-0184
		Email:	anna.matejko@georgetown.edu
		Citizenship:	Canadian

EDUCATION

PhD in Developmental Psychology, The University of Western Ontario	2016
Dissertation Title: <i>The Neurocognitive Underpinnings of Arithmetic in Children and Adults: Examining the Roles of Domain General and Domain Specific Abilities</i>	
Supervisor: Dr. Daniel Ansari	
MSc in Developmental Psychology, The University of Western Ontario	2012
Thesis Title: <i>Individual Differences in White Matter Predict Mathematical Achievement</i>	
Supervisor: Dr. Daniel Ansari	
BSc (Honors) in Psychology with First Class Honors, The University of Alberta	2010
Thesis title: <i>Neurocognitive and Microstructural Profiles in Twins with Fetal Alcohol Spectrum Disorder</i>	
Supervisors: Dr. Carmen Rasmussen & Dr. Jeffrey Bisanz	

WORK & RESEARCH EXPERIENCE

Incoming Assistant Professor Department of Psychology, Durham University	Beginning February 2022
Research Assistant Professor Department of Pediatrics, Georgetown University	June 2021 – Present
Postdoctoral Fellow Department of Pediatrics, Georgetown University Supervisor: Dr. Guinevere Eden	January 2017 – May 2021
Research Assistant Department of Psychology, University of Alberta Supervisor: Dr. Jeffrey Bisanz	July 2007 - June 2010
Research Assistant Department of Psychology and Educational Psychology, University of Alberta Supervisors: Dr. Martin Mrazik and Dr. Anthony Singhal	January - April 2010
Research Assistant Departments of Pediatrics and Biomedical Engineering, University of Alberta Supervisors: Dr. Carmen Rasmussen and Dr. Christian Beaulieu	April 2009 - August 2009

PUBLICATIONS

* listed as co-first authors

PEER REVIEWED

20. Brignoni-Perez, E.*, **Matejko, A. A.***, Jamal, N. I., & Eden, G. F. (in press) Functional neuroanatomy of arithmetic in monolingual and bilingual adults and children. *Human Brain Mapping*.
<https://doi.org/10.1002/hbm.25587>
19. Röell, M., Cachia, A., **Matejko, A. A.**, Houdé, O., Ansari, D., & Borst, G. (2021) Sulcation of the intraparietal sulcus is related to children's symbolic number skills. *Developmental Cognitive Neuroscience*, 51, 100998.
<https://doi.org/10.1016/j.dcn.2021.100998>
18. **Matejko, A. A.** & Ansari, D. (2021). Shared neural circuits for visuo-spatial working memory and arithmetic in children and adults. *Journal of Cognitive Neuroscience*, 33 (6), 1003-1019.
https://doi.org/10.1162/jocn_a_01695
17. Brault Foisy, L-M.* **Matejko, A. A.***, Ansari, D., & Masson, S. (2020) Teachers as orchestrators of neuronal plasticity: Effects of teaching practices on the brain. *Mind, Brain, and Education*, 14, 415-428.
<https://doi.org/10.1111/mbe.12257>
16. Torre, G-A., **Matejko, A. A.**, Eden, G. F. (2020) The Relationship between Brain Structure and Proficiency in Reading and Mathematics in Children, Adolescents, and Adults. *Developmental Cognitive Neuroscience*, 24, 100856. <https://doi.org/10.1016/j.dcn.2020.100856>
15. **Matejko, A. A.**, & Ansari, D. (2019). The neural association between arithmetic and basic number processing depends on arithmetic problem size and not chronological age. *Developmental Cognitive Neuroscience*, 37, 100653. <https://doi.org/10.1016/j.dcn.2019.100653>
14. **Matejko, A. A.***, Hutchison, J.*, & Ansari, D. (2019). Developmental specialization of the left intraparietal sulcus for symbolic ordinal processing. *Cortex*, 114, 41-53. <https://doi.org/10.1016/j.cortex.2018.11.027>
13. **Matejko, A. A.**, & Ansari, D. (2018). Contributions of functional Magnetic Resonance Imaging (fMRI) to the study of numerical cognition. *Journal of Numerical Cognition*, 4 (3), 2363-8761.
<https://doi.org/10.5964/jnc.v4i3.136>
12. **Matejko A. A.**, & Ansari D. (2017). How do individual differences in children's domain specific and domain general abilities relate to brain activity within the intraparietal sulcus during arithmetic? An fMRI study. *Human Brain Mapping*, 38(8), 3941-3956. <https://doi.org/10.1002/hbm.23640>
11. **Matejko A.A.**, & Ansari D. (2016). Trajectories of symbolic and nonsymbolic magnitude processing in the first year of formal schooling. *PLoS ONE*, 11(3), e0149863. <https://doi.org/10.1371/journal.pone.0149863>
10. **Matejko, A. A.**, & Ansari, D. (2015). Drawing connections between white matter and numerical and mathematical cognition: A literature review. *Neuroscience and Biobehavioral Reviews*, 48, 35-52.
<https://doi.org/10.1016/j.neubiorev.2014.11.006>

9. Pincham, H. *, **Matejko, A. A. ***, Obersteiner, A. *, Killikelly, C. *, Abrahao, K. P., Benavides-Varela, S., Gabriel, F., Rato, J. R., & Vuillier, L. (2014). Forging a new path for educational neuroscience: An international young-researcher perspective on combining neuroscience and educational practices. *Trends in Neuroscience and Education, 3*(1), 28-31. <https://doi.org/10.1016/j.tine.2014.02.002>
8. **Matejko, A. A.**, Price, G. R., Mazzocco, M. M. M., & Ansari, D. (2013). Individual differences in left parietal white matter predict math scores on the Preliminary Scholastic Aptitude Test. *NeuroImage, 66*, 604–610. <https://doi.org/10.1016/j.neuroimage.2012.10.045>

BOOK CHAPTERS, COMMENTARIES, AND OTHER PUBLICATIONS

7. Torre, G-A. A., McKay, C. C., & **Matejko, A. A.** (2019). The early language environment and the neuroanatomical foundations for reading. *Journal of Neuroscience, 39* (7), 1136-1138. <https://doi.org/10.1523/JNEUROSCI.2895-18.2018>
6. Merkle, R., **Matejko, A. A.**, & Ansari D. (2016). Strong causal claims require strong evidence: a commentary on Wang et al. (2016). *Journal of Experimental Child Psychology, 153*, 163-167. <https://doi.org/10.1016/j.jecp.2016.07.008>
5. Merkle R. *, Wilkey E. D. *, **Matejko A. A. *** (2016). Exploring the Origins and Development of the Visual Number Form Area: A Functionally Specialized and Domain-Specific Region for the Processing of Number Symbols? *Journal of Neuroscience, 36*, 4659–4661. <https://doi.org/10.1523/JNEUROSCI.0710-16.2016>
4. Vogel, S. *, **Matejko, A. A. ***, & Ansari, D. (2016). Imaging the developing human brain using functional and structural Magnetic Resonance Imaging: Methodological and practical guidelines. In J. Prior & J. Van Herwegen, (Ed.), *Practical Research with Children* (pp. 46-69). Psychology Press.
3. **Matejko, A.** (2014). White matter counts: Brain connections help us do 2+2. *Frontiers for Young Minds, 2* (19), 1-4. <https://doi.org/10.3389/frym.2014.00019>
2. Ansari, D., & **Matejko, A.** (2014). The development of the numerate brain. *Principal Connection, 18* (1), 18-20.
1. **Matejko, A. A.** & Ansari, D. (2012). Developmental cognitive neuroscience and learning. In N.M. Seel (Ed.) *Encyclopedia of the Sciences of Learning* (pp. 961-966). Springer.

FUNDING AND AWARDS

Flux Congress Jacobs Foundation Science of Learning Award (\$200 and conference registration) Competitive award given to early career scholars in the field of human learning	2020
Marilyn (Pack) McClelland Award (\$750) Competitive award given to students in Developmental Psychology, University of Western Ontario	2016
Ontario Graduate Scholarship (\$15,000) Competitive graduate award in Ontario, Canada	2015 - 2016
Vanier Canada Graduate Scholarship (\$150,000 over 36 months) Premier competitive Canadian graduate award designed to attract and retain world-class students (~150 awarded per year)	2012 - 2015

Shirley Kniazky Award (\$1000)	2015
Ontario Graduate Scholarship (Declined offer due to a concurrent scholarship)	2012 - 2013
Leola E. Neal Memorial Award (\$450) Most Outstanding Master's Thesis, University of Western Ontario	2012
Institute for Human Development Poster Award (\$100)	2012
Children's Health Research Institute- Internal Research Grant Fund (Co-investigator) (\$6692.50) Title: "Training basic number skills in preschool and kindergarten children: An iPad training study"	2012
Ontario Graduate Scholarship (\$15,000)	2011 - 2012
Western Graduate Research Scholarship (\$2000)	2010 - 2011
Natural Sciences and Engineering Research Council (NSERC) - Alexander Graham Bell Canada Graduate Scholarship (CGS-M) (\$17,500) Premier Canadian Master's award	2010 - 2011
University of Alberta First Class Standing (Average GPA above 3.5)	2008 - 2010
University of Alberta Dean's Silver Medal Award (non-monetary) Awarded to convocating students with superior academic achievement, University of Alberta	2010
University of Alberta Undergraduate Academic Scholarship (\$750)	2009
University of Alberta Jason Lang Scholarship (\$1000)	2009
Women and Children's Health Research Institute Summer Studentship Grant (\$1000) Competitive summer studentship for undergraduate research in Alberta, Canada	2009
Alberta Heritage Foundation for Medical Research Summer Studentship Award (\$5,200) Competitive summer studentship for undergraduate research in Alberta, Canada	2009
University of Alberta Undergraduate Academic Scholarship (\$500)	2008
University of Alberta Jason Lang Scholarship (\$1000)	2008
Natural Sciences and Engineering Research Council (NSERC) - Undergraduate Student Research Award (\$4,275) Competitive Canadian summer studentship for undergraduate research	2008
University of Alberta Jason Lang Scholarship (\$1000)	2007
Rutherford Scholarship (\$1000)	2006

TEACHING EXPERIENCE

Guest Lecturer, Introduction to Cognitive Science (ICOS 201), Georgetown University "The development of math and reading skills: Evidence from Brain and Behavior", Undergraduate, Course director: Dr. Barr, Dr. Moghaddam	Fall 2017-2021
Guest Lecture, Interdisciplinary Program in Neuroscience, Georgetown University "Mathematical Cognition: Understanding the Calculating Brain", Graduate, Course director: Dr. Riesenhuber	April 23, 2021
Guest Lecture, Cognition course, Georgetown University "The development of arithmetic skills", Undergraduate, Course director: Dr. Lyons	November 19, 2020

Guest Module and Lecture, Neuroscience/Advanced Neuroscience (BIO 331/ BIO 531), Cabrini University "The Literate Brain: How do children learn to read?", Undergraduate/Graduate, Course director: Dr. Mathur	November 2, 2020
Guest Module and Lecture, Lab Experiences in Neuropsychology (BIO 401/PSY 401), Cabrini University "The Literate Brain: How do children learn to read?" Undergraduate, Course director: Dr.Mathur	March 12, 2020
Guest Lecturer, Research Module in Cognitive Science (ICOS 202), Georgetown University "MRI design and analysis", Undergraduate, Course director: Dr. Moghaddam	Winter 2017-2019
Guest Lecture, Advanced Neuroscience (Bio 531), Cabrini University "Educational Neuroscience: How does the brain learn to calculate and read words?", Undergraduate/Graduate, Course director: Dr. Mathur	November 5, 2018
Guest Lecture, Cognition course, Georgetown University "Development of numerical and mathematical processing", Undergraduate, Course director: Dr. Lyons	April 18, 2018
Guest Lecture, Cognition course, Georgetown University "Reading Development: Evidence from Behaviour and the Brain", Graduate, Course director: Dr. Barr	February 21, 2018
Teaching Assistant, Development of the Mathematical Brain (Psych 3443G), University of Western Ontario Undergraduate, Course director: Dr. Ansari	January-April 2016
Teaching Assistant, Introduction to Social Psychology course (Psych 2720B), University of Western Ontario Undergraduate	January-April 2013
Teaching Assistant, Introduction to Developmental Psychology (Psych 2410), University of Western Ontario Undergraduate	September-April 2012
Teaching Assistant, Research Methods in Psychology (Psych 2800), University of Western Ontario Undergraduate	January-April 2011
Teaching Assistant, The Psychology of People, Work, and Organizations (Psych 2060), University of Western Ontario Undergraduate, Online	September-December 2010

SUPERVISORY EXPERIENCE

HONORS STUDENTS:

Senior Honors Thesis, September 2014-June 2015 – Jane Hutchison

Thesis Title: *"An Investigation of the Neural & Behavioural Mechanisms Distinguishing Numerical and Non-Numerical Ordinal Processing"* Winner of the W. J. McClelland Award for best Honors Thesis

Senior Honors Thesis, September 2013-June 2014 – Dana Smith

Thesis Title: *"Numerical Magnitude Processing and Math Achievement in Grade 1 Students"*

Senior Honors Thesis, September 2012-June 2013 – H. Moriah Sokolowski

Thesis Title: *"Training of Early Numeracy Skills in Preschool and Kindergarten: An iPad Training Study"*

INTERNSHIP/EXCHANGE STUDENTS:

NIH ENDURE Program (Tennessee State University) Summer 2019 – Shelby Davis

Project title: *“The relationship between phonological processing and arithmetic in children with learning disabilities”*

Siena School Internship January 2017 – Aaron Byington

Project title: *“Predicting individual differences in the response to reading and math interventions in Dyslexia”*

Graduate Exchange Student (Guelph University) Summer 2013 – Natasha Hardy

TALKS AND WORKSHOPS

Matejko, A. (2021, March) Using neuroimaging to understand reading development in typical and atypical learners. *Invited lecture at Bank Street College of Education, Virtual Presentation.*

Matejko, A., Schlosberg, N., Lozano, M., & Eden, G. (2020, September). Are reading and math inter-related in the brain? A fMRI study on reading and math following reading intervention in children with learning disabilities. *Invited talk at Flux Congress, Virtual Conference. *Selected for Jacobs Foundation Science of Learning Award **

Matejko, A. (2018, June). The development of mathematical skills & their relationship to reading. *Invited talk at Fairfax County Public Schools, Fairfax VA, USA.*

Matejko, A. & Ansari, D. (2017, November). Arithmetic, visuo-spatial working memory, and basic number processing skills undergo common age-related changes within the left IPS. *Talk at the Society for Neuroscience, Washington DC, USA.*

Matejko, A. & Ansari, D. (2016, September). Individual differences in children’s domain specific and domain general abilities relate to brain activity within the intraparietal sulcus during arithmetic. *Talk at a meeting of the International Mind Brain and Education Society, Toronto, Canada.*

Matejko, A. (2016, May). Integrating Education and Neuroscience: Challenges and Perspectives (Scientific Reflection Symposium for Graduate Students and Researchers). *Invited roundtable discussant at the Fifth Conference of the Association for Research in Neuroeducation, L'Université du Québec à Montréal (UQAM), Montreal, Canada.*

Matejko, A. (2015, December). The role of working memory and basic number processing in the development of arithmetic skills: An investigation of common and distinct neural pathways. *Invited talk at the L'Université du Québec à Montréal (UQAM), Montreal, Canada.*

Matejko, A. & Ansari, D. (2015, October). The role of working memory abilities in the development of arithmetic skills: An investigation of common and distinct neural pathways. *Invited talk at the International Symposium on Neuroeducation of Number Processing. Hannover, Germany. *Only submission selected for an oral presentation**

Matejko, A. (2014, June). Trajectories of math and number development in Grade 1: Evidence from brain and behavior. *Invited talk at the JURE Conference of EARLI, Nicosia, Cyprus, Greece.*

Matejko, A. (2014, June). Trajectories of math and number development in Grade 1: Evidence from brain and behavior. *Talk at the University of Leuven, Leuven, Belgium.*

Vogel, S. & **Matejko, A.** (2014, June). Workshop on Education and Neuroscience. *Workshop at the JURE Conference of EARLI, Nicosia, Cyprus, Greece.*

Matejko, A. (2014, June). An Introduction to Diffusion Tensor Imaging. *Invited workshop at Georg-August-University Göttingen, Göttingen, Germany.*

Matejko, A., Sokolowski, H.M., & Ansari, D. (2012, September). Early development of numeracy skills through technology. *Talk and workshop at the Thames Valley District School Board Professional Development Day, London, ON, Canada.*

Matejko, A., Rasmussen, C., Lebel, C., Beaulieu, C. (2010, February). Neurocognitive and microstructural profiles in twins with Fetal Alcohol Spectrum Disorder. *Talk at the Annual Alberta Fetal Alcohol Spectrum Disorder Conference, Calgary, AB, Canada.*

Matejko, A. (2009, April). Neurocognitive differences in twins with Fetal Alcohol Spectrum Disorder or Prenatal Alcohol Exposure. *Talk at Brian Harder Honors Day Annual Conference, Edmonton, AB, Canada.*

CONFERENCE PRESENTATIONS

Matejko, A., Schlosberg, N., Lozano, M., & Eden, G. (2020, September). Are reading and math inter-related in the brain? A fMRI study on reading and math following reading intervention in children with learning disabilities. *Poster presented at Flux Congress, Virtual conference. *Selected for Jacobs Foundation Science of Learning Award **

Davis, S. N., Lozano, M. C., **Matejko, A.,** & Eden, G.E. (2019, October). The relationship between phonological processing and arithmetic in children with learning disabilities. *Poster presented at Society for Neuroscience, Chicago, USA.*

Matejko, A., Lozano, M., Ashburn, S., & Eden, G. (2019, August) Brain activation during arithmetic in children with combined math and reading disability: The presence of reading disability modulates activity in the bilateral superior parietal lobules. *Poster presented at the Flux Congress, NYC, USA.*

Torre, G-A., **Matejko, A.,** & Eden, G. (2019, August) Reading ability, but not math ability, is associated with cortical thickness in an age-dependent manner. *Poster presented at the Flux Congress, NYC, USA.*

Roell, M., Cachia, A., Borst, G., **Matejko, A.,** & Ansari, D. (2019, August). How interindividual differences in IPS sulcal morphology shape symbolic number fluency in children. *Poster presented at the Flux Congress, NYC, USA.*

Ashburn, S., **Matejko, A.,** Flowers, L., & Eden, G. (2019, June). An fMRI study of the cerebellum's role in reading and math disabilities. *Poster presented at the Organization for Human Brain Mapping, Rome, Italy.*

Goffin, G., Sokolowski, H.M., **Matejko, A.,** Bugden, S., Lyons, I.M., & Ansari, D. (2018, September). Assessing knowledge translation in the field of mind, brain, and education in pre-service teachers. *Poster presented at the International Mind Brain and Education Society, Los Angeles, California, USA.*

Matejko, A., Hutchison, J, & Ansari, D. (2017, April). Developmental changes in the neural correlates of processing numerical order: An fMRI study. *Poster presented at the Society for Research in Child Development Biennial Meeting, Austin, Texas, USA.*

Matejko, A., Ansari, D. (2015, February). The development of symbolic and nonsymbolic magnitude processing skills in the first year of formal schooling. *Poster at the Lake Ontario Visionary Establishment, Niagara Falls, ON, Canada.*

Matejko, A., Ansari, D. (2014, June). How the first year of formal schooling shapes symbolic number development: Evidence from brain and behaviour. *Poster at the EARLI Sig 22 Education and Neuroscience Conference, Göttingen, Germany.*

Matejko, A., Ansari, D. (2014, May). Trajectories of math and number development in Grade 1: Evidence from brain and behavior. *Poster at Minds on Minds Symposium, London, ON, Canada.*

Matejko, A., Ansari, D. (2014, May). How the first year of formal schooling shapes symbolic number development: Evidence from brain and behaviour. *Poster presented at the NIH Math Cognition Meeting “Development of Mathematical Cognition: Neural Substrates and Genetic Influences”, Washington DC, USA.*

Matejko, A., Ansari, D. (2014, May). Trajectories of math and number development in Grade 1: Evidence from brain and behavior. *Poster presented at the BASICS Conference, Banff, AB, Canada.*

Matejko, A., Price, G., Mazzocco, M., & Ansari, D. (2013, June). Individual differences in left parietal white matter predict scores on the preliminary scholastic aptitude test. *Poster presented at the Brain Plasticity, Learning, and Education Symposium, London, ON, Canada.*

Matejko, A., Sokolowski, H. M., & Ansari, D. (2013, April). Early numeracy skills in preschool and kindergarten children: an iPad pilot study. *Poster at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA, USA.*

Matejko, A., Erdeg, B., Lefcoe, A., Sokolowski, H. M., & Ansari, D. (2012, September). Training early numeracy skills in Kindergarten children: An iPad pilot study. *Poster presented at the Connaught Global Challenge Symposium, Institute for Human Development, Toronto, ON, Canada.* *Award for Best Poster at conference*

Matejko, A., Price, G., Mazzocco, M., & Ansari, D. (2012, May). Individual differences in left parietal white matter predict scores on the preliminary scholastic aptitude test. *Poster presented at the EARLI Sig 22 Education and Neuroscience Conference, London, UK.*

Matejko, A., Price, G., Mazzocco, M., & Ansari, D. (2012, February). Individual differences in white matter predict scores on the preliminary scholastic aptitude test. *Poster presented at the Lake Ontario Visionary Establishment, Niagara Falls, ON, Canada.*

Piatt, C., **Matejko, A.,** Watchorn, R., & Bisanz, J. (2011, March). Limits on children’s understanding of mathematical inversion. *Poster presented at the Society for Research in Child Development Biennial Meeting, Montreal, QC, Canada.*

Rasmussen, C., Carroll, A., Hodlevskyy, O., Lebel, C., **Matejko, A.,** & Beaulieu, C. (2011, March). Executive functions in child psychiatry: Tourette Syndrome. *Presentation and workshop at the Annual General Meeting of the Alberta Psychiatric Association, Banff, AB, Canada.*

Matejko, A., Bisanz, J., C. Beaulieu, C., Rasmussen, C. (2010, April). Neurocognitive and microstructural profiles in twins with Fetal Alcohol Spectrum Disorder. *Poster presentation at the Brian Harder Honors Day Annual Conference, Edmonton, AB, Canada.*

Matejko, A., Lebel, C., Carroll, A., Hodlevskyy, O., Beaulieu, C., & Rasmussen, C. (2009, November). Neurocognitive and Microstructural Abnormalities in Children with Tourette Syndrome. *Poster Presented at the Women and Children’s Foundation for Medical Research Annual Research Day, Edmonton, AB, Canada.*

Matejko, A., Lebel, C., Carroll, A., Hodlevskyy, O., Beaulieu, C., & Rasmussen, C. (2009, November). *Neurocognitive and Microstructural Abnormalities in Children with Tourette Syndrome. Poster Presented at the Glenrose Spotlight on Research Conference, Edmonton, AB, Canada.*

Matejko, A., Lebel, C., Carroll, A., Hodlevskyy, O., Beaulieu, C., & Rasmussen, C. (2009, October). *Neurocognitive and Microstructural Abnormalities in Children with Tourette Syndrome. Poster Presented at the Alberta Heritage Foundation for Medical Research Annual Research Day, Edmonton, AB, Canada.*

Piatt, C., **Matejko, A.**, Watchorn, R., Bisanz, J. (2009, April). *The mathematical principle of inversion: How “alien” is it? Poster Presented at Society for Research in Child Development Biennial Meeting, Denver, CO, USA.*

ATTENDED ADVANCED COURSES AND WORKSHOPS

2019 Recognizing and Interrupting Microaggressions in the Classroom (November 18), Washington DC, USA.

This workshop discussed the impact of implicit biases and microaggressions. and how they often manifest in learning environments. Case studies and strategies to mitigate bias and microaggressions were discussed.

2019 Writing Unbiased Letters of Recommendation (April 1), Washington DC, USA.

This workshop was intended to help research mentors understand the impact of bias on letters of recommendation, and provides guidance on strategies and techniques on how to write unbiased letters of recommendation.

2019 Mentor Training for Clinical and Translational Researchers (March 18 & 20), Washington DC, USA.

This seminar (developed by the Wisconsin Program for Scientific Teaching) helps research mentors develop effective mentoring practices. Several topics were discussed including equity and inclusion, fostering independence, promoting professional development, and mentoring philosophies.

2017 NIMH Multivoxel Pattern Analysis Workshop (November 16-17), Bethesda, MD, USA.

The NIMH Multivoxel Pattern Analysis (MVPA) Workshop was an intensive two-day course on the theory and applications of MVPA, including hands-on experience with the Decoding Toolbox to conduct MVPA analyses.

2015 Visceral Mind: A hands-on course in the neuroanatomy of cognition (September 7-11). Bangor, Wales, UK.

The Visceral Mind is a neuroanatomy workshop for graduate and post-graduate students. This workshop has a competitive application process and is fully funded by a scholarship provided by the James S. McDonnell Foundation.

2014 Mortimer D. Sackler, M.D. Summer Institute (July 14-18, 2014). Manhattan, New York, USA.

The Sackler Summer Institute is a course for graduate students in developmental cognitive neuroscience. It has a competitive application process and is fully funded by a scholarship provided by the Mortimer D. Sackler family.

2013 Latin American School for Education, Cognitive, and Neural Sciences (March 3-15). Comandatuba, Bahia, Brazil

The LA School is a two-week workshop focusing on issues in the field of Mind Brain and Education. The LA School has a competitive application process and is fully funded by a scholarship provided by the James S. McDonnell Foundation.

2011 FSL & FreeSurfer Course (June 20-24). Montreal, Quebec, Canada.

A course on FSL and FreeSurfer software

SERVICE

COMMITTEES

Board Member and Social Media Chair of Georgetown Women in Science and Education	September 2019 - present
Georgetown Postdoctoral Association Executive Committee	January 2019 – June 2021

Co-Chair and Co-Founder of Georgetown University Postdoctoral Association	April 2017 - January 2019
Department of Psychology Colloquium Committee	2015 - 2016
Graduate Representative on Department of Psychology Appointments Committee	2014 - 2015
Coordinator of Department of Psychology, Developmental Brown Bag Presentations	2011 - 2012
Treasurer and Member of Executive Committee for The Psychology Graduate Student Association	2011 - 2012

ACADEMIC JOURNAL REVIEWS

Mind, Brain & Education (5)	Learning and Individual Differences (1)
NeuroImage (3)	European Journal of Neuroscience (1)
Nature Communications (2)	Cortex (1)
Neuropsychologia (2)	Cerebral Cortex (1)
Journal of Experimental Child Psychology (2)	Journal of Numerical Cognition (1)
Brain Structure and Function (2)	Scientific Studies of Reading (1)
Human Brain Mapping (1)	Cognitive, Affective, & Behavioral Neuroscience (1)
Acta Psychologica (1)	Journal of Educational Psychology (1)
Developmental Psychology (1)	NPJ Science of Learning (1)
Scientific Reports (1)	Developmental Science (1)

GRANT REVIEWS

National Science Foundation, Division of Research on Learning - Integrative Strategies for Understanding Neural and Cognitive Systems Program <i>Program Officer: Gregg Solomon</i>	May 2020
Georgetown Medical Center Graduate Student Organization Grant Review Panel	July 2017 & May 2020
National Science Foundation, Division of Research on Learning in Formal and Informal Settings - Core Research and Development Program <i>Program Officer: Michael Steele</i>	January 2020
National Science Foundation, Division of Research on Learning in Formal and Informal Settings - Core Research and Development Program <i>Program Officer: Finbarr Sloane</i>	June 2019

OUTREACH

Oakwood School Grade 8 Introduction to Brain Imaging	November 2018
Siena School Grade 8 Brain Anatomy Lab	April 2017 & February 2018
Hardy Middle School Brain Awareness Week at Georgetown	March 2017 & March 2018

MEDIA COVERAGE

- Georgetown University Medical Center Press Release: “Art Installation Illustrates Dyslexic Brains at Work”** January 14, 2021
<https://gumc.georgetown.edu/gumc-stories/art-installation-illustrates-dyslexic-brains-at-work/#>
- Georgetown University Medical Center: Research in a Minute** September 22, 2017
<https://www.youtube.com/watch?v=eZUjZ6l3NaE>
- University of Western Ontario Press Release: “Western “young” researchers go global to connect education and neuroscience”** May 1, 2014
<https://mediarelations.uwo.ca/2014/05/01/western-young-researchers-go-global-to-connect-education-and-neuroscience/>
- Globe and Mail newspaper article: “The Root of the Problem”, Ivan Semeniuk** October 26, 2013
<http://www.theglobeandmail.com/technology/science/the-root-of-the-problem-this-is-your-brain-on-math/article15081244/?page=all>
- Rogers TV: Episode of *Western Revealed* - “Mathematics and the brain”** February 19, 2012

SCIENTIFIC COMPUTING SKILLS

FSL	ExploreDTI	Matlab	JASP
SPM	CosmoMVPA	SPSS	JAMOVl
Brain Voyage	TrackVis	Python	R

REFERENCES

- 1. Professor Daniel Ansari**
Role: PhD Supervisor
Email: daniel.ansari@uwo.ca
Phone: +1 (519) 661-2111 Ext. 80548
Address: Western Interdisciplinary Research Building,
1151 Richmond Street North, Room 5180,
London ON, Canada, N6A 5B7
- 2. Professor Guinevere Eden**
Role: Postdoctoral Supervisor
Email: edeng@georgetown.edu
Phone: +1 (202) 687-6893
Address: Georgetown University Medical Center, 4000 Reservoir Rd NW, Building D, Suite 150, Washington DC, USA, 20007
- 3. Professor Bert De Smedt**
Role: PhD Examiner
Email: Bert.DeSmedt@kuleuven.be
Telephone: +32 (0) 16 32 57 05
Address: Faculty of Psychology and Educational Sciences
Leopold Vanderkelenstraat 32 - box 3765,
3000 Leuven, Belgium