

## CURRICULUM VITAE

**Name:** J Bruce Morton  
**Rank:** Professor  
**Tenured:** Yes  
**Full-time or adjunct status:** Full-time

Degree	University	Department	Year
Ph.D	University of Toronto	Psychology	2002
M.A	University of Toronto	Psychology	1997
B.A.Sc.	McMaster University	Psychology	1992

### Employment History:

Date	Rank & Position	Department / Institution
2018	Guest Researcher	Cognitive Science/East China Normal University
2017	Professor	Psychology, Western
2009	Guest Researcher	Max Planck Institute for Neurologische Forschung, Cologne, DE.
2008	Associate Professor	Department of Psychology, Western
2008	Faculty Member	Graduate Program in Neuroscience, Western
2002-2008	Assistant Professor	Department of Psychology, Western
2000-2002	Post-Doctoral Fellow	Department of Psychology, University of Denver

### Academic Honours:

1992 Abe Black Memorial Prize, McMaster University (Most outstanding Honours Thesis)

### Scholarly and Professional Activities:

Topic Editor, *Encyclopedia on Early Childhood Development*. Executive Functioning. <http://www.child-encyclopedia.com/en-ca/home.html>

### Invited presentations/symposia

Goldsmith, S., Liu, J., Dirani-Akoury, L., & **Morton, J. B.** (2019). The Bilingual Advantage in 10- to 12-year-olds: an international study of language, culture, and cognitive control. Symposium talk presented at the 2019 biennial meeting of the Society for Research in Child Development, Baltimore, MD.

**Morton, J.B.** (2019). Bilingualism, culture, and executive functioning in early development: New findings from studies in Canada, China, and South-Korea. Invited keynote talk presented at the International Forum on Social Change and Student Development, Shanghai, China.

- Morton, J.B.** (2019). Executive functioning in the schools: concepts and tools. Invited workshop organized by the Chinese Psychological Society, the Professional Committee of Developmental Psychology, and Shanghai Normal University. Shanghai, China.
- Goldsmith, S., Liu, J., Dirani-Akoury, L., & **Morton, J. B.** (2019). The Bilingual Advantage in 10- to 12-year-olds: an international study of language, culture, and cognitive control. *Symposium talk presented at the 2019 biennial meeting of the Society for Research in Child Development*, Baltimore, MD.
- Morton, J.B.** (2018). Measuring Executive Functioning in Children; Old Challenges, New Approaches. Invited talk presented to the Developmental Disabilities Clinical Research Rounds. London, Ontario.
- Morton, J.B.** (2018). It's about Time: Development of the Cognitive Control Network Revisited. Department of Engineering, University of Toronto.
- Morton, J.B.** (2017). Changes in Brain Functioning Associated with the Development of Cognitive Control: Insights from Functional Magnetic Resonance Imaging. Invited talk: East China Normal University, Shanghai, China.
- Morton, J.B.** (2017). Changes in Brain Functioning Associated with the Development of Cognitive Control: Insights from Functional Magnetic Resonance Imaging. Invited talk: Shanghai Normal University, Shanghai, China.
- Morton, J.B.** (2017). Engineering and Design in Developmental Cognitive Neuroscience Research. Invited talk presented to the Knowledge, Media, and Design Institute, University of Toronto, Canada.
- Morton, J.B.** (2017). The impact of early life stress on long-term health. Child Health Symposium 2017 Faculty of Health Sciences Western University, London, Canada<sup>[SEP15EP]</sup>
- Morton, J.B.** (2017). It's about time: Development of the cognitive control network revisited. Queen's University, Kingston Ontario.
- Morton, J.B.** (2016). It's about time: Development of the cognitive control network revisited. Talk presented at the Meeting of Minds, University of Geneva, Switzerland.
- Morton, J.B.** (2016). It's about time: Development of the cognitive control network revisited. Symposium talk presented at the annual meeting of the Organization for Human Brain Mapping, Geneva, Switzerland.
- Morton, J. B.** (2016). The bilingual advantage: translational implications of a skeptic's view. International Mind, Brain, and Education Society meeting. *Toronto, Canada.*
- Hosseini-Kamkar, N., & **Morton, J.B.** (2016). The mesolimbic dopamine pathway is sensitive to early life adversity. Talk presented at Southern Ontario Neuroscience Association Annual Conference, Waterloo, Ontario.
- Morton, J. B.** (2016). It's about time: Development of the cognitive control network revisited. NeuroNet.

*Nashville, USA.*

- Morton, J. B.** (2016). It's about time: Development of the cognitive control network revisited. LOVE. *Niagara Falls, Canada.*
- Morton, J. B.** (2015). Functional connectivity dynamics across development. *International Society for Integrative Developmental Cognitive Neuroscience. Leiden, Netherlands.*
- Morton, J. B.** (2014). Dynamic connectivity states across development. *University of Leiden, Netherlands.*
- Morton, J. B.** (2014). Dynamic connectivity states across development. *University Hospital Carl Gustav Carus, Dresden Germany.*
- Morton, J. B.** (2013). Neuroimaging the young mind: What can we learn? *University of Texas, Austin.*
- Morton, J. B.** (2012). Developmental changes in cognitive control networks. *University of Bergen, Norway.*
- Morton, J. B.** (2012). Developmental changes in moment-to-moment adjustments and future-oriented control: ERP and fMRI evidence. *University of Leiden, Netherlands.*
- Morton, J. B.** (2012). Developmental changes in cognitive control networks. *York University, Toronto, Ontario.*
- Morton, J. B.** (2012). Developmental changes in cognitive control networks. *Brock University, St. Catherines, Ontario.*
- Morton, J. B.** (2011). A converging methods approach to the study of cognitive control networks and their development. *Neuropsychiatry Speaker Series, University of Western Ontario.*
- Morton, J. B.** (2009). Developmental changes in cognitive control networks; a pediatric fMRI study of conflict adaptation effects. *Developmental Cognitive Neuroscience Speakers Series: Birkbeck College, University of London, London, England.*
- Morton, J. B.** (2009). The role of active memory in developing cognitive control networks. *Eldgenossiche Technische Hochschule Zurich, Switzerland.*
- Morton, J. B.** (2009). The role of active memory in developing cognitive control networks. *University of Leiden, Leiden, The Netherlands.*
- Morton, J. B.** (2009). Developmental changes in cognitive control networks; a pediatric fMRI study of conflict adaptation effects. Lectures in Affective and Cognitive Neurosciences, *Technische Universität Dresden. Dresden Germany.*
- Morton, J. B.** (2009). The role of active memory in developing cognitive control networks. *Lower Ontario Visionary Establishment Conference. Niagara Falls, Canada.*

**Morton, J. B.** (2008). Perseveration, dissociation, and the development of cognitive control. Neuropsychiatry Research seminar series. *University of Western Ontario, London Ontario Canada.*

**Morton, J. B.** (2007). Perseveration, dissociation, and the development of cognitive control. *Department of Psychology, Queens University. Kingston, Ontario, Canada*

**Morton, J. B.** (2006). Perseveration, dissociation, and the development of cognitive control: Models and data. *Department of Psychology, University of Waterloo.*

Munakata, Y. & **Morton, J. B.** (2005). Neural network approaches to understanding cognitive flexibility. Dynamical systems theory and connectionism: On the cusp of a grand new theory or still too distributed? *Grand Rapids, Iowa.*

**University Administrative Duties:** (from 1999 to present)

**University**

2016-2019 – Management Board of the Mary J. Wright Research and Education Centre at Merrymount, *Member*

2005-2006 – Westminster College planning committee, *Member*

2005-2006 – UWO MRI Guidelines Revisions Committee, *Member*

**Department**

2018-2019 Department of Psychology, Annual Performance Evaluation Committee, *Member*

2018-2019 Department of Psychology, Appointments Committee, *Member*

2018-2019 Department of Economics Chair Selection Committee, *Member*

2018-present Annual Performance Evaluation Committee, *Member*

2018-present Appointments Committee, *Member*

2016-2018 – Workload, Resources, and Planning Committee, *Member*

2012-2013 – Appointments Committee, *Member*

2011-2012 – Appointments Committee, *Member*

2011-2012 – Developmental Area Search Committee, *Member*

2004-2005 – Developmental Area Search Committee, *Chair*

2004-2005 – Group for Developmental Science Space and Planning Committee, *Member*

2003-2004 – Appointments Committee, Department of Psychology, *Member*

2003-2004 – Developmental Search Committee, *Member*

**Graduate Supervisions:**

	<b>Number Successfully completed</b>	<b>Number In progress</b>
Doctoral Thesis	5	2
Master's Thesis	13	3

Post-Doctoral Fellows	2	1
Total number of PhD Committees served on	15	4
Total number of Master's Advisory Committees served on	25	3

**List Titles and Topics of Theses and Projects Supervised and Completed:** (from 1999 to present)

**PhD:**

Hosseini-Kamkar, N. (2021). Early experience and the functional calibration of the stress-response systems.

Cho, I. (2019). The Relationship between Theory of Mind and Executive Function: Are They Two Facets of The Same Process or Two Distinct Processes?

Battista, C (2013). The effects of strategy and practice on patterns of brain activity associated with mental arithmetic.

Jordan, P. A. (2012). Individual differences in temperament and cognitive biases in middle childhood: Vulnerability to internalizing disorder.

Waxer, M. (2011). Development of dissociable and dynamic components of control.

**MA:**

Khosravi Najafabadi, M. (2021). A Behavioral Study on the Adult Marmoset Interference Control in Spatial Working Memory

Pham, J. (2020). Characterizing a Novel Mobile Game Battery Assessment: A Comparison of Performance-Based and Survey-Based Executive Functioning Instruments

Rezaei, M. (2020). Learning from immediate and long-term action consequences.

Ghahari, D. (2020). White matter anomalies and their relation to executive functioning in children with hydrocephalus.

Goldsmith, S. (2018). The effect of emotional distractors on spatial attention.

Kamkar-Hosseini, N (2015). Early-life adversity influences reward-related learning in the ventral striatum.

Fallowfield, H. (2015). Stress and reward-related learning.

Knapp, K. (2012). Modulation of extra-striate cortex during task-switching.

Ezekiel, F. (2012). Toward a functional characterization of cognitive control networks.

Wilk, H. A. (2010). Developmental changes in conflict processing and conflict adaptation: an fMRI study

Burnham, P. V. (2007). Disentangling automatic and controlled processes underlying children’s attention to threat.

Wall, P. A. (2005). Towards an understanding of cognitive flexibility in preschoolers: A bottom-up approach.

Waxer, M. P. (2005). Children’s attention to emotional and non-emotional information in speech.

**Graduate Courses Taught:** (from 1999 to present)

- 2014 Evolutionary and Epigenetic Perspectives on Development
- 2010 Neuroscience Perspectives on Social and Cognitive Development.
- 2005 Theories of Cognitive Development

**Research Funding:** (from 1999 to present)

If there are co-grants or group grants, list the total amount of the grant and, in brackets, the amount that is your component.

Start Date	End Date	Principal Investigator	Co-Investigator	Granting Agency	Grant Title	Total Amount
June, 2019	June, 2020	Mark Chignell	J Bruce Morton	AGEWELL	Ubiquitous cognitive assessment in the elderly	\$20,000
April, 2018	April, 2022	J Bruce Morton		NSERC	Development of Cognitive Control	\$145,000
April, 2018	April, 2020	Ashley Wazana	J Bruce Morton, Tim Oberlander	HBHL	GxE model of ADHD	\$200,000
April 2016	April 2019	J Bruce Morton		SSHRC	Effects of bilingual language status and collectivist /individualist cultural values on children's self-regulation	\$70,000/yr

August 2014		J Bruce Morton	Haley Fallowfield, Niki Hosseini-Kamkar	CHRI	Modulation of reward-related brain activity by cortisol	\$7000
April 2014	April 2014	S. Fogel	J Bruce Morton, R. Cusack, J.A. Grahn, K. McRae	NSERC	Simultaneous and synchronized electroencephalography (EEG) and functional magnetic resonance imaging (fMRI) during sleep in normal and brain injured populations	\$145,503
April 2013	April 2018	J Bruce Morton		NSERC	Active memory and the development of cognitive control	\$30,000/yr
April 2012	April 2013	J Bruce Morton	Mark Daley	ADF	Individual differences in cognitive and behavioral self-regulation early in development	\$50,000
April 2009	April 2010	J Bruce Morton	Daniel Ansari	ADF	Uncovering mechanisms of cortical specialization: The case of mental arithmetic.	\$44,000
April 2008	April 2013	J Bruce Morton		NSERC	The role of active memory in the development of cognitive control	\$23,000/yr
April 2003	April 2008	J Bruce Morton		NSERC	The role of active memory in the development of cognitive control	\$23,000/yr
April 2006	April 2007	B Gawronski	S Kohler, JB Morton	ADF	Mathematical modeling of self-regulation processes	\$60,000 (\$10,000)
March 2005	No end date	J Bruce Morton		CFI	Infrastructure Operating Fund	\$42,000
March 2005	March 2006	J Bruce Morton		CFI/OIT	Developmental Cognitive Neuroscience	\$360,000
June 2003	June 2004	J Bruce Morton		ADF	Developmental Participant Pool	\$7000

## **Publications**

Google Scholar: Citations: 3650; h-index: 28; i10-index: 43

### Chapters in Books:

Knapp, K., & **Morton, J. B.** (2017). Executive functioning: A developmental cognitive neuroscience perspective. In M. J. Hoskyn, G. Iarocci, and A. R. Young, *Executive Functions in Children's Everyday Lives*, Oxford University Press.

**Morton, J. B.**, & Carlson, S. M. (2017). The bilingual advantage: Evidence and alternative views. In M. J. Hoskyn, G. Iarocci, and A. R. Young, *Executive Functions in Children's Everyday Lives*, Oxford University Press.

Jordan, P. L. & **Morton, J. B.** (2012). Attention & the Development of Anxiety Disorders: The Importance of Disentangling Reactive versus Regulatory Components of Attention. In J. Burack & N. A. Fox (Eds.), *Cognitive Approaches to Developmental Psychopathology*, Oxford University Press.

**Morton, J. B.**, & Munakata, Y (2009). Connectionist models of perseveration. J. P. Spencer, M. Thomas, & J. McClelland (Eds.) *Connectionism and Dynamic Systems Theory Reconsidered: Toward a Grand New Theory?* Oxford University Press.

Munakata, Y., **Morton, J. B.** & O'Reilly, R. C., (2007). Computational and developmental approaches to variation in working memory. R. A. Conway, C. Jarrold, M. Kane, A. Miyake, & J. Towse (Eds.) *Variation in Working Memory*, Oxford University Press.

Munakata, Y., **Morton, J. B.**, & Stedron, J. M. (2003). The role of prefrontal cortex in perseveration: Developmental and computational explorations. In P. Quinlan (Ed.), *Connectionist Models of Development*, pp. 83-114. Hove: Psychology Press.

### Papers in refereed journals:

Spinelli, G., **Morton, J. B.**, & Lupker, S. J. (2022). Both task-irrelevant and task-relevant information trigger reactive conflict adaptation in the item-specific proportion-congruent paradigm. *Psychonomic Bulletin & Review*, 1-13.

Spinelli, G., Goldsmith, S. F., Lupker, S. J., & **Morton, J. B.** (2021). Bilingualism and executive attention: evidence from studies of proactive and reactive control. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. In press.

Cho, I., Park, J., Song, H., & **Morton, J. B.** (2021). Disentangling language status and country-of-origin explanations of the bilingual advantage in preschoolers. *Journal of Experimental Child Psychology*, Volume 212. <https://doi.org/10.1016/j.jecp.2021.105235>

Seguin, D., Kuenzel, E., **Morton, J. B.**, Duerden, E. G. (2021). School's out: Parenting stress and screen time

use in school-age children during the COVID-19 pandemic. *Journal of Affective Disorders Reports*, Volume 6. <https://doi.org/10.1016/j.jadr.2021.100217>

- Lowe, C. J., Goldsmith, S. F., Cho, I., & **Morton, J.B.** (2021). The bilingual advantage in children's executive functioning is not related to language status: a meta-analytic review. *Psychological Science*.
- Hosseini-Kamkar, N., Lowe, C. J., **Morton, J.B.** (2021). The differential calibration of the HPA axis as a function of trauma versus adversity: A systematic review and p-curve meta-analyses. *Neuroscience & Biobehavioral Reviews*, 127, <https://doi.org/10.1016/j.neubiorev.2021.04.006>
- Lowe, C. J., **Morton, J. B.**, & Reichelt, A. C. (2020). Adolescent obesity and dietary decision making—a brain-health perspective. *The Lancet Child & Adolescent Health*.
- El-Baba, M., Lewis, D. J., Fang, Z., Owen, A. M., Fogel, S. M., & **Morton, J. B.** (2019). Functional connectivity dynamics slow with descent from wakefulness to sleep. *PloS one*, 14(12).
- Goldsmith, S. F., & **Morton, J. B.** (2018). Sequential Congruency Effects in Monolingual and Bilingual Adults: A Failure to Replicate Grundy et al., (2017). *Frontiers in Psychology*, 9, 2476.
- Goldsmith, S. F., & **Morton, J. B.** (2017). Time to disengage from the bilingual advantage hypothesis. *Cognition*.
- Kamkar, N. H., & **Morton, J. B.** (2017). CanDiD: A Framework for Linking Executive Function and Education. *Frontiers in psychology*, 8.
- Kamkar, N. H., Lewis, D. J., van den Bos, W., & **Morton, J. B.** (2017). Ventral striatal activity links adversity and reward processing in children. *Developmental Cognitive Neuroscience*, 26, 20-27.
- Meinz, P., **Morton, J. B.**, Pederson, D. R. and Moran, G. (2016), Biases in Attention for Social Stimuli in Children are Associated with Patterns of Infant Attachment: A Brief Report. *Social Development*, doi:10.1111/sode.12184
- Hutchison, R. M. & **Morton, J. B.** (2016). It's a matter of time: Reframing the development of cognitive control as a modification of the brain's temporal dynamics. *Developmental Cognitive Neuroscience*, 18, 70-77.
- Morton, J. B.** (2015). Still waiting for real answers. *Cortex*, 73, 352-353.
- Hutchison, R. M. & **Morton, J. B.** (2015). Tracking the brain's functional coupling dynamics over development. *Journal of Neuroscience*, 35(17), 6849-6859.
- Hosseini-Kamkar, N., & **Morton, J. B.** (2014). Sex differences in self-regulation: An evolutionary perspective. *Frontiers in Neuroscience*, 8.
- Morton, J. B.** (2014). Dynamic field theory and executive functions: Lending explanation to current theories of development. *Monograph of the Society for Research in Child Development*, 79(2), 116-124.

- Morton, J. B.** (2014). Sunny review casts a foreboding shadow over status quo bilingual advantage research. *Applied Psycholinguistics*, 35(5), 929-931.
- Turnbull, K, Reid, G. J. & **Morton, J. B.** (2013). Behavioral sleep problems and their impact on developing executive function in children. *Sleep*, 36(7), 1077-1084.
- DeBenedictis, B. A., & **Morton, J. B.** (2013). A Method for Investigating Age-Related Differences in the Functional Connectivity of Cognitive Control Networks Associated with DCCS performance. *Journal of Visual Experiments*
- Ezekiel, F, Bosma, R, & **Morton, J. B.** (2013). Dimensional Change Card Sort performance associated with age-related differences in functional connectivity of lateral prefrontal cortex. *Developmental Cognitive Neuroscience*, 5, 20-40.
- Wilk, H. A., & **Morton, J. B.** (2012). Developmental changes in patterns of brain activity associated with moment-to-moment adjustments in control. *NeuroImage*, 63(1), 475-484.
- Wessel, J. R., Danielmeier, C., **Morton, J. B.**, & Ullsperger, M. (2012). Surprise and error: Common neuronal architecture for the processing of errors and novelty. *Journal of Neuroscience*, 32(22), 7528-7537.
- Wilk, H. A., Ezekiel, F., & **Morton, J. B.** (2012). Brain regions associated with moment-to-moment adjustments in control and stable task-set maintenance. *NeuroImage*. 59, 1960-1967.
- Jordan, P. L., & **Morton, J. B.** (2012). Perseveration and the status of children's knowledge in a card-sorting task: Evidence from studies involving congruent flankers. *Journal of Experimental Child Psychology*, 111 (1), 52-64.
- Waxer, M., & **Morton, J. B.** (2011). Multiple processes underlying Dimensional Change Card Sort Performance: an electrophysiological investigation. *Journal of Cognitive Neuroscience*, 23(11), 3267-3279.
- Waxer, M., & **Morton, J. B.** (2011). The development of future-oriented control: an electrophysiological investigation. *NeuroImage*, 56(3), 1648-54.
- Waxer, M., & **Morton, J. B.** (2011). Cognitive conflict and learning. In R. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. New Jersey: Springer.
- Morton, J. B.**, Ezekiel, F., & Wilk, H. A. (2011). Executive functioning: Easy to identify but hard to define. *Topics in Cognitive Science*, (3), 212-216.
- Waxer, M. & **Morton, J. B.** (2011). Children's Judgments of Emotion From Conflicting Cues in Speech: Why 6-Year-Olds are so Inflexible. *Child Development*, 82 (5), 1648-1660.
- Morton, J. B.** (2010). Language, bilingualism, and executive functioning in early development. *Psychological Reports*, 107, 888-890.

- Morton, J. B.** (2010). Genetic, neurophysiological, and experiential influences on the development of executive functioning: toward a truly developmental model. *Wiley Interdisciplinary Reviews*.
- Banse, R., Gawronski, B., Rebetez, C., Gutt, H., & **Morton, J. B.** (2010). The development of spontaneous gender stereotyping in childhood: Relations to stereotype knowledge and stereotype flexibility. *Developmental Science*, *13*(2), 298-306.
- Morton, J. B.** & Harper, S. N. (2009). Bilinguals show an advantage in cognitive control: The question is why. *Developmental Science*, *12* (4), 502-503.
- Morton, J. B.**, Bosma, R., & Ansari, D. (2009). Age-related changes in patterns of brain activation associated with dimensional shifts of attention: an fMRI study. *NeuroImage*, *49*, 249-256.
- Jordan, P. L. & **Morton, J. B.** (2008). Flankers facilitate 3-year-olds performance in a card-sorting task. *Developmental Psychology*, *44*, 265-274.
- Morton, J. B.** & Harper, S. N. (2007). What did Simon say? Revisiting the bilingual advantage. *Developmental Science*, *10*, 719-726.
- Morton, J. B.** & Trehub, S. E. (2007). Children's judgements of emotion in song. *Psychology of Music*, *35*, 629-639.
- Brace, J., **Morton, J. B.**, & Munakata, Y. (2006). When actions speak louder than words: Improving children's flexibility in a card-sorting task. *Psychological Science*, *17*, 665-669.
- Morton, J. B.**, & Munakata, Y. (2005). What's the difference? Contrasting modular and neural network approaches to understanding developmental variability. *Journal of Developmental and Behavioral Pediatrics*, *26*, 128-139.
- Morton, J. B.**, Trehub, S. E., & Zelazo, P. D. (2003). Sources of inflexibility in children's understanding of emotion in speech. *Child Development*, *74*, 1857-1868.
- Munakata, Y., **Morton, J. B.**, & Yerys, B.E. (2003). Children's perseveration: attentional inertia and alternative accounts. *Developmental Science*, *6*, 471-473.
- Morton, J. B.**, & Munakata, Y. (2002). Active versus latent representations: A neural network model of perseveration, knowledge-action dissociation, and décalage. *Developmental Psychobiology*, *40*, 255-265.
- Morton, J. B.**, & Munakata, Y. (2002). Are you listening? Exploring a knowledge-action dissociation in a speech interpretation task. *Developmental Science*, *5*, 435-440.
- Morton, J. B.**, & Trehub, S. E. (2001). Children's understanding of emotion in speech. *Child Development*, *72*, 834-843.

Papers in refereed conference proceedings:

**Morton, J. B., & Waxer, M.** (2005). Working memory span and the anti-saccade task: An ERP investigation of preparatory processes. *Journal of Cognitive Neuroscience*, 142-143 Supplementary.

Presentations at professional meetings/workshops:

Hosseini-Kamkar, N., & **Morton, J.B.** (2016). The Mesocorticolimbic Dopamine Pathway Exhibits A Phenotypic Plasticity To The Experience Of Early Life Adversity. Poster to be presented at 10<sup>th</sup> Annual Canadian Association for Neuroscience Meeting, Toronto, Ontario.

Hosseini-Kamkar, N., & **Morton, J.B.** (2016). The Neural Correlates Of Cognitive And Behavioral Self-Regulation In Preadolescents: A Multidisciplinary Approach. Poster presented at The 44<sup>th</sup> Annual Meeting of The International Neuropsychological Society, Boston, Massachusetts.

Hosseini-Kamkar, N., El-Baba, M., & **Morton, J.B.** (2016). The Mesocorticolimbic Dopamine Pathway Exhibits A Phenotypic Plasticity To The Experience Of Early Life Adversity. Poster presented at Lake Ontario Visionary Establishment 45<sup>th</sup> Annual Conference, Niagara Falls, Ontario.

Fallowfield, H., Hosseini-Kamkar, N., & **Morton, J.B.** (2014). Individual Differences In Cognitive And Behavioural Self-Regulation: A Multi-Level Approach For Assessing Genetic And Environmental Influences Early In Development. Poster presented at Minds on Minds Symposium, London, Ontario.

deBenedictis, B. A., Daley, M., & **Morton, J. B.** (2013). Context-dependent changes in cognitive control network architecture. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, Washington.

Ezekiel, R., & **Morton, J. B.** (2011). Toward a functional characterization of cognitive control networks. Poster: Human Brain Mapping, Quebec City, Canada.

Ezekiel, R., & **Morton, J. B.** (2011). Developmental changes in brain networks associated with dimensional shifts of attention. Poster: Biennial meeting of the Society for Research in Child Development, Montreal, Canada.

Wilk, H. A., & **Morton, J. B.** (2011). The Dual-networks model of cognitive control: a developmental fMRI investigation of the conflict adaptation effect. Poster: Biennial meeting of the Society for Research in Child Development, Montreal, Canada.

**Morton, J. B.** (2011). Development of rule-use in the DCCS: evidence from fMRI and ERP. Symposium talk: Biennial meeting of the Society for Research in Child Development, Montreal, Canada.

- Morton, J. B.** (2011). A converging methods approach to the study of cognitive control networks and their development. Symposium talk: Biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Morton, J. B.**, Ezekiel, R., & Wilk, H. (2010). Dual-networks supporting conflict processing: an fMRI study of conflict adaptation effects. Human Brain Mapping, Barcelona, Spain.
- Wilk, H., & **Morton, J. B.** (2010). Developmental changes in conflict processing and conflict adaptation effects: an fMRI study. Poster: Human Brain Mapping, Barcelona, Spain.
- Ezekiel, R., & **Morton, J. B.** (2010). Independent functional components underlying dimensional shifts of attention. Poster: Human Brain Mapping, Barcelona, Spain.
- Waxer, M., & **Morton, J. B.** (2010). Examining the neural time course of conflict adaptation effects during rule-switching. Cognitive Neuroscience Society Meeting, Montreal, Canada.
- Morton, J. B.** (2009). Executive functioning and concepts of mixed emotions in children's judgments of emotion in speech. Symposium talk presented at the biennial meeting of the Cognitive Development Society, San Antonio, TX.
- Landry, O., Nicolson, R., & **Morton, J. B.** (2009). The role of learning in visual endogenous orienting. Poster presented at the International Meeting of Autism Research, Chicago IL.
- Wong, A.H.C., Waxer, M., & **J. B. Morton** (2009). An investigation of cognitive flexibility using event-related potentials. Poster presented at the annual meeting of the Canadian Psychological Association, Montreal PQ.
- Morton, J. B.** (2009). Graded representations and perseveration in the Dimensional Change Card Sort; More evidence from studies involving congruent flankers. Symposium talk presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Waxer, M., & **Morton, J. B.** (2009). Dissociable components of cognitive control: An electrophysiological investigation of rule-switching. Poster presented at the annual conference of the CNS, San Francisco, CA.
- A.S. Love, E. Sejdic, M.E. Markowski, M. Waxer, **J.B. Morton**, R. Sobot, A Brain-Controlled 3D Sonar Scanner, IEEE Canadian Conference on Electrical and Computer Engineering, (2008), CCECE 2008, Niagara Falls, Ontario, Canada, May 4-7, 2008.
- Waxer, M., & **Morton, J. B.** (2008). Age-related differences in dissociable components of cognitive control. Poster presented at the annual conference of the Cognitive Neuroscience Society, San Francisco, CA.
- Morton, J. B.**, & Ansari, D. (2007). Neurocognitive mechanisms underlying the development of cognitive flexibility: a developmental fMRI study. Poster presented at the annual conference of The Organization for Human Brain Mapping, Chicago IL.

- Morton, J. B.,** Burnham, P., & Gawronski, B. (2007). Disentangling automatic and controlled processing in children's attention to threat: a multinomial modeling approach. Paper presented at the meeting of the John Piaget Society, Amsterdam, The Netherlands.
- Jordan, P. L., & **Morton, J. B.** (2007). Continuous variation in 3-year-olds card-sorting performance as a result of parametric manipulations of post-switch conflict. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Waxer, M, & **Morton, J. B.** (2007). Children attention to emotional and nonemotional information in speech. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Morton, J. B.** (2007). Dissociable neurocognitive mechanisms underlying Dimensional Change Card Sort performance: a developmental fMRI study. Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Morton, J. B.** (2007). Frontal cortex contributions to the development of rule-use: Evidence from fMRI and ERP. Symposium presented at the biennial meeting of the Society for Research in Child Development (Chair: J Bruce Morton.)
- Wall, P. L. & **Morton, J. B.** (2005). Flankers facilitate 3-year-olds flexibility in a card-sorting task. Paper presented at "Dynamical systems theory and connectionism: On the cusp of a grand new theory or still too distributed?" Grand Rapids, Iowa.
- Morton, J. B.** (2005). Prefrontal cortex and the development of cognitive control: An investigation using fast event-related fMRI. Paper presented at the 6<sup>th</sup> Schloessmann Seminar, Max Planck Society, Doelln Germany.
- Brace, J., Munakata, Y., & **Morton, J. B.** (2005). Practice makes perfect: Improving children's performance in a card-sorting task. Poster presented at the biennial meeting of the SRCD, Atlanta GA.
- Harper, S. N., & **Morton, J. B.** (2005). Bilingualism and children's attention to emotion in speech. Poster presented at the biennial meeting of the SRCD, Atlanta, GA.
- Morton, J. B.,** & Waxer, M. (2005). Working memory span and the anti-saccade task: an ERP investigation of preparatory processes. Poster presented at the annual conference of the Cognitive Neuroscience Society, New York, NY.
- Wall, P. L. & **Morton, J. B.** (2005). Congruent flankers facilitate children's performance in the Dimensional Change Card Sort task. Poster presented at the biennial conference of the SRCD, Atlanta, GA.
- Morton, J. B.** (2004). It's not always what you say: Understanding age-related changes in judgments of emotion in speech. Poster presented at Attention and Performance XXI, Processes of Change in Brain and Cognitive Development, Winter Park, CO.
- Morton, J. B.** (2004). Understanding age-related changes in judgments of emotion in speech. Paper presented

at the 18<sup>th</sup> Biennial meeting of the International Society for the Study of Behavioral Development, Ghent, Belgium.

**Morton, J. B.** (2004). A converging methods approach to understanding age-related changes in children's judgments of emotion in speech. Symposium Chair. Presented at the 18<sup>th</sup> Biennial meeting of the International Society for the Study of Behavioral Development, Ghent, Belgium.

**Morton, J. B.** (2001). The effect of attention set on children's judgments of emotion in speech. Poster presented at the Biennial Conference of the Society for Research in Child Development, Minnesota, MS.

**Morton, J. B.** (1999). The prepotency of speech content. Poster presented at the annual conference of the Cognitive Development Society, Chapel Hill, NC.

**Morton, J. B.** (1999). Children's understanding of emotion in speech. Poster presented at the Biennial Conference of the Society for Research in Child Development, Albuquerque, NM.

Updated: November 16, 2022

Signature:

A handwritten signature in black ink, appearing to read 'J. B. Morton', written in a cursive style.