

# Mark Sabbagh

Queen's University  
Psychology Department  
Kingston, Ontario K7L 3N6 Canada  
sabbagh@queensu.ca  
613-533-2887

## Education

- 1998 Ph.D. University of Oregon, Eugene
- 1996 M.Sc. University of Oregon, Eugene
- 1993 B.Sc. University of California, Santa Cruz

## Positions

- 2000–pres. Assistant to Full Professor, Queen's University at Kingston
- 2013–2014 Visiting Professor, University of California, San Diego
- 2007–2008 Visiting Professor, University of California, Santa Cruz
- 1999–2000 NICHD Postdoctoral Fellow, University of Michigan

## Grant Awards for Research

- 2022–2024 New Frontiers in Research Fund — Exploration (\$250,475)  
Understanding the neurobiology of social distancing and the impact of staying digitally connected 'online'  
J Gallivan, A Tusche, F De Felice, V Kuhlmeier, A Winterborn, M Pare, M Sabbagh
- 2022–2023 New Frontiers in Research Fund — COVID Response(\$237,970)  
The ROSie app: A novel, mobile computing device application to support developmental psychology recruitment, outreach, and studies  
J Sommerville, MA Sabbagh(co-PI), C Atance, S Graham, JK Hamlin, O Friedman
- 2021–2023 Queen's University VPR: Wicked Ideas (\$75,000)  
Charting the neurobiology of social distancing: Exploring the causal effects of social isolation on the brain and the impact of staying digitally connected 'online'  
J Gallivan, A Tusche, G Blohm, S Boehnke, F De Felice, V Kuhlmeier, D Munoz, MA Sabbagh, A Winterborne

- 2019–2023 SSHRC (\$213,731)  
Individual differences in adult theory of mind  
KL Harkness, MA Sabbagh
- 2018–2021 CIHR (\$464,669)  
Tuning in and turning on: Neuro-cognitive correlates of responsive sexual  
desire in women with and without sexual difficulties  
ML Chivers, S Dawson, JS Huberman, MA Sabbagh, R Todd
- 2018–2023 NSERC (\$150,000)  
Neurodevelopmental bases of conceptual change  
MA Sabbagh
- 2015–2018 SSHRC (\$138,384)  
Mechanisms of selective social learning in preschool-aged children  
MA Sabbagh
- 2015 NSERC (\$108,490)  
High-density brain electrophysiological recording for Queen’s University  
MA Sabbagh, N Troje, ML Chivers, T Hollenstein
- 2012 NSERC (\$60,323)  
A high-speed high-definition video imaging facility for Queen’s University  
WA Take, N Hoult, MA Sabbagh
- 2012–2017 SSHRC (\$90,752)  
Individual differences in adult theory of mind  
KL Harkness, MA Sabbagh
- 2011–2015 NSERC (\$235,000)  
Experience, biology, and the development of a theory of mind  
MA Sabbagh
- 2011–2014 NSERC Discovery Accelerator Supplement (\$125,000)
- 2010–2014 SSHRC (\$102,00)  
Conventionality and knowledge acquisition  
MA Sabbagh
- 2006–2009 SSHRC (\$90,300)  
Conventionality and word learning  
MA Sabbagh
- 2006–2010 NSERC (\$124,800)  
Neurocognitive bases of theory-of-mind development  
MA Sabbagh
- 2002–2005 SSHRC (\$68,000)

- Cultural experience and theory-of-mind development  
MA Sabbagh
- 2002–2006 NSERC (\$80,000)  
Conceptual, cognitive, and neurobiological correlates of preschoolers’  
understanding of knowledge  
MA Sabbagh
- 2000 CFI/OIT (\$310,000)  
Integrated brain and behavioural science laboratory  
MA Sabbagh, KL Harkness

### **Awards for Conferences & Workshops**

- 2012 SSHRC  
The Jean Piaget Symposia: Rethinking cognitive development  
MA Sabbagh
- 2007 SSHRC  
Selective Social Learning  
MA Sabbagh, S Fitneva

### **Journal Publications**

- In Prep  
Under Review Sabbagh, M. A. (in preparation). Grading evidence in cognitive developmental  
psychology.
- Harkness, K. L., Hudson, C. C., Saperia, S., Shamblaw, A. L., & Sabbagh, M.  
A. (in preparation). Theory of mind and depression: From symptoms to  
syndrome.
- Atkinson, C., Campbell, A., & Sabbagh, M. A. (in revision). Social touch,  
theory of mind and executive functioning in preschool-aged children. *Child  
Development*
- 2022 Mangardich, H. & Sabbagh, M. A. (2022). Event-related potential studies of  
cross-situational word learning in four-year-old children. *Journal of Experimental  
Child Psychology*. doi: 10.1016/j.jecp.2022.105468
- Huberman, J. S., Mangardich, H., Sabbagh, M. A., & Chivers, M. L. (2022).  
ERP responses to sexual cues in young women attracted to men.  
*Psychophysiology*. doi: 10.1111/psyp.14162
- 2021 Mangardich, H., Tollefson, N., Harkness, K. L., & Sabbagh, M. A. (2021).  
Theory of mind in dysphoric and non-dysphoric adults: An ERP study of true-  
and false-belief reasoning. *Social Neuroscience*. doi:  
10.1080/17470919.2021.2005678

- Bardikoff, N. F. & Sabbagh, M. A. (2021). Practice thinking about multidimensionality promotes 3-year-old children's performance on the Dimensional Change Card Sort Task. *Child Development*.
- 2020 Yuile, A. R. & Sabbagh, M. A. (2020). Inhibitory control and preschoolers' use of irregular past tense verbs. *Journal of Child Language*, 1-19.  
doi:10.1017/S0305000920000355
- Hudson, C. C., Shamblaw, A. L., Harkness, K. L., & Sabbagh, M. A. (2020). Valence in the reading the mind in the eyes task. *Psychological Assessment*, 42(7), 623-634. <https://doi.org/10.1037/pas0000818>
- 2019 Bowman, L. C., Dodell-Feder, J., Saxe, R. & Sabbagh, M. A. (2019) Continuity in the Neural System Supporting Children's Theory of Mind Development: Longitudinal links between task-independent EEG and task-dependent fMRI. *Developmental Cognitive Neuroscience*, 40.  
<https://doi.org/10.1016/j.dcn.2019.100705>
- Mo, S., Liang, L., Bardikoff, N. F., & Sabbagh, M. A. (2019). Shifting visual attention to social and non-social stimuli in Autism Spectrum Disorders. *Research in Autism Spectrum Disorders*, 65, 56-64.  
<https://doi.org/10.1016/j.rasd.2019.05.006>
- Shamblaw, A., Benson, J. E., Harkness, K. L., & Sabbagh, M. A. (2019). Maternal depression and preschoolers' false belief understanding. *Social Development*. <https://doi.org/10.1111/sode.12369>
- Sjaarda, C. P., Sabbagh, M. A., Wood, S., Ward-King, J., McNaughton, A. J. M., Hudson, M. L., Tao, M., Ayub, M., & Liu, X. (2019). Homozygosity for the 10-repeat dopamine transporter (*DAT1*) allele is associated with reduced EEG response in males with ASD. *Research in Autism Spectrum Disorders*, 60, 25-35. <https://doi.org/10.1016/j.rasd.2018.12.003>
- 2018 Hudson, C. C., Shamblaw, A., Wilson, G. A., Roes, M. M., Sabbagh, M. A., & Harkness, K. L. (2018). Theory of mind, excessive reassurance-seeking, and stress generation in depression: A social-cognitive-interpersonal integration. *Journal of Social and Clinical Psychology*, 27, 725-750.  
<https://doi.org/10.1521/jscp.2018.37.9.725>
- Rnic, K., Sabbagh, M. A., Washburn, D., Bagby, R. M., Ravindran, A., Kennedy, J. L., Strauss, J., & Harkness, K. L. (2018). Childhood emotional abuse, physical abuse, and neglect are associated with theory of mind decoding accuracy in young adults with depression. *Psychiatry Research*, 268, 501-507.  
<https://doi.org/10.1016/j.psychres.2018.07.045>
- Sabbagh, M. A. & Paulus, M. (2018). Editorial: Replication studies of infant

false belief. *Cognitive Development*, 46, 1–3.  
<https://doi.org/10.1016/j.cogdev.2018.07.003>

Mangardich, H. & Sabbagh, M. A. (2018). Children remember words from ignorant speakers but do not attach meaning: Evidence from event-related potentials. *Developmental Science*, e12544. <https://doi.org/10.1111/desc.12544>

2016 Sabbagh, M. A., Koenig, M. A., & Kuhlmeier, V. A. (2016). Conceptual constraints and mechanisms in children’s selective social learning. *Developmental Science*. doi: 10.1111/desc.12415

Zahavi, A. Y., Sabbagh, M. A., Washburn, D., Mazurka, R., Laroque, C. L., Bagby, R. M., Strauss, J., Kennedy, J. L., Ravindran, A., & Harkness, K. L. Serotonin and dopamine gene variation and theory of mind decoding accuracy in major depression. *PLoS One*, 11, Article ID e0150872

2014 Tahiroglu, D., Moses, L. J., Carlson, S. M., Olafson, E., Mahy, C. E. V. & Sabbagh, M. A. (2014). The Children’s Social Understanding Scale: Construction and validation of a parent-report measure for assessing individual differences in children’s theories of mind. *Developmental Psychology*, 50, 2485-2497.

Mo, S., Su, Y., Sabbagh, M. A., & Xiu, J. (2014). Sentential complements and false belief understanding in Chinese Mandarin-speaking preschoolers: A training study. *Cognitive Development*, 29, 50-61.

2013 Xu, F., Han, Y., Sabbagh, M. A., Wang, T., Ren, X., & Li, C. (2013). Developmental differences in the structure of executive function in middle childhood and adolescence. *PLoS One*, 8, E77770.

Koenig, M. & Sabbagh, M. A. (2013). Selective Social Learning: New perspectives on learning from others. *Developmental Psychology*, 49, 399-403.

Henderson, A. M. E., Sabbagh, M. A., & Woodward, A. L. (2013). Preschoolers’ selective learning is guided by the principle of relevance. *Cognition*, 126, 246-257.

Benson, J. E., Sabbagh, M. A., Carlson, S. M. & Zelazo, P. D. (2013). Individual differences in executive functioning predict preschoolers improvement from theory-of-mind training. *Developmental Psychology*, 49, 1615-1627.

2012 Akhtar, N., Menjivar, J., Hoicka, E. & Sabbagh, M. A. (2012). Learning foreign labels from a foreign speaker: The role of (limited) exposure to a second language. *Journal of Child Language*, 39, 1135-1149.

Harkness, K. L., Jacobson, J. A., Sinclair, B., Chan, E. & Sabbagh, M. A. (2012). For love or money? What motivates people to know the minds of

- others. *Cognition and Emotion*, 26, 541-549.
- Lackner, C. L., Sabbagh, M. A., Hallinan, E., Liu, X., & Holden, J. J. E. (2012). Dopamine receptor D<sub>4</sub> gene variation predicts preschoolers' developing theory of mind. *Developmental Science*, 15, 272-280.
- 2011 Harkness, K. L., Washburn, D., Theriault, J., Lee, L., & Sabbagh, M. A. (2011). Maternal history of depression is associated with enhanced theory of mind in depressed and nondepressed adult women. *Psychiatry Research*, 189, 91-96.
- 2010 Sabbagh, M. A., Hopkins, S. F. R., Benson, J. E., & Flanagan, J. R. (2010). Conceptual change and preschoolers' theory of mind: Evidence from load-force adaptation. *Neural Networks*, 43, 1043-1050.
- Harkness, K. L., Jacobson, J. A., Duong, D. & Sabbagh, M. A. (2010). Mental state decoding in remitted major depression: Effects of sad versus happy mood induction. *Cognition and Emotion*, 24, 497-513.
- Lackner, C. L., Bowman, L. C. & Sabbagh, M. A. (2010). Dopaminergic functioning and preschoolers' theory of mind. *Neuropsychologia*, 48, 1767-1774.
- Henderson, A. M. E. & Sabbagh, M. A. (2010). Parents use of conventional and unconventional labels in conversations with their preschoolers. *Journal of Child Language*, 37, 793-816.
- 2009 Sabbagh, M. A. & Shafman, D. (2009). How children block learning from ignorant speakers. *Cognition*, 112, 415-422.
- Saylor, M. M., Sabbagh, M. A., Fortuna, A., & Troseth, G. (2009). Preschoolers use speakers' preferences to learn words. *Cognitive Development*, 24, 125-132.
- Sabbagh, M. A., Bowman, L. C., Evraire, L. & Ito, J. M. B. (2009). Neurodevelopmental bases of preschoolers' theory-of-mind development. *Child Development*, 80, 1147-1162.
- Liu, D., Sabbagh, M. A., Gehring, W. J, & Wellman, H. M. (2009). Neural correlates of theory of mind reasoning in adults and children. *Child Development*, 80, 318-326.
- 2008 Liu, D., Wellman, H. M., Tardif, T., & Sabbagh, M. A. (2008). Theory of mind development in Chinese children: A meta-analysis of false-belief understanding across languages and cultures. *Developmental Psychology*, 44, 523-531.
- Sabbagh, M. A. & Seamans, E. L. (2008). Intergenerational transmission of theory-of-mind. *Developmental Science*. 11, 354-360.
- 2007 Kalish C. W. & Sabbagh, M. A. (2007). Conventionality and cognitive development: Learning to think the right way. *New Directions for Child and*

- Adolescent Development*, 115, 1-9.
- Sabbagh, M. A. & Henderson, A. M. E. (2007). How an appreciation of conventionality shapes early word learning. *New Directions for Child and Adolescent Development*, 115, 25-38.
- 2006 Sabbagh, M. A. & Flynn, J. (2006). Mid-frontal EEG alpha asymmetries predict individual differences in one aspect of theory of mind: Mental state decoding. *Social Neuroscience*, 1, 299-308.
- Sabbagh, M. A., Moses, L. J., & Shiverick, S. M. (2006). Executive functioning and preschoolers' understanding of false beliefs, false photographs, and false signs. *Child Development*, 77, 1034-1049.
- Sabbagh, M. A., Xu, F., Carlson, S. M., Moses, L. J., & Lee, K. (2006). Executive functioning and theory of mind in preschool children from Beijing, China: Comparisons with U.S. preschoolers. *Psychological Science*, 17, 74-81.
- 2005 Lee, L., Harkness, K. L., Sabbagh, M. A., & Jacobson, J. A. (2005). Mental state decoding abilities in clinical depression. *Journal of Affective Disorders*, 86, 247-258.
- Harkness, K. L., Sabbagh, M. A., Jacobson, J. A., Chowdrey, N., & Chen, T. (2005). Sensitivity to subtle social information in dysphoric college students: Evidence for an enhanced theory of mind. *Cognition and Emotion*, 19, 999-1026. (order of 1st two authors is alphabetical).
- 2004 Callanan, M. A. & Sabbagh, M. A. (2004). Multiple labels in conversations between young children and their mothers. *Developmental Psychology*, 40, 746-763.
- Sabbagh, M. A. (2004). Recognizing and reasoning about mental states: Understanding orbitofrontal contributions to theory of mind and autism. *Brain and Cognition*, 55, 209-219.
- Liu, D., Sabbagh, M. A., Gehring, W. J., & Wellman, H. M. (2004). Decoupling beliefs from reality in the brain: An ERP study of theory of mind. *NeuroReport*, 15, 991-995.
- Saylor, M. M. & Sabbagh, M. A. (2004). Different kinds of information affect word learning in the preschool years: The case of part-term learning. *Child Development*, 75, 395-408.
- Sabbagh, M. A., Moulson, M., & Harkness, K. L. (2004). Neural correlates of mental state recognition in human adults: An ERP study. *Journal of Cognitive Neuroscience*, 16, 415-426.
- 2003-earlier Sabbagh, M. A., Wdowiak, S. & Ottaway, J. M. (2003). Do word learners

- ignore ignorant speakers? *Journal of Child Language*, 30, 905-924.
- Saylor, M. M., Sabbagh, M. A., & Baldwin, D. A. (2002). Children use implicit contrast as a pragmatic cue to word meaning. *Developmental Psychology*, 38, 993-1103.
- Sabbagh, M. A. & Baldwin, D. A. (2001). Learning words from knowledgeable versus ignorant speakers: Links between preschoolers' theory of mind and semantic development. *Child Development*, 72, 1054-1070.
- Sabbagh, M. A. & Gelman, S. A. (2000). Buzzsaws and Blueprints: What children need (or don't need) to learn language. *Journal of Child Language*, 22, 715-726. Followed by commentary and response.
- Sabbagh, M. A. & Taylor, M. (2000). Neural correlates of theory of mind reasoning in adults: An event-related potential study. *Psychological Science*, 11, 46-50.
- Callanan, M. A., Cervantes, C. A. & Sabbagh, M. A. (1999). Conversation and conceptual development: Challenges, alternatives and future directions. *Human Development*, 42, 356-361.
- Sabbagh, M. A. (1999). Communicative intentions and language: Evidence from right hemisphere damage and autism. *Brain and Language*, 70, 29-69.
- Sabbagh, M. A. & Clegg, B. A. (1999). Some costs of assimilating data to the implicit/explicit distinction. *Behavioral and Brain Sciences*, 22, 783-784.
- Sabbagh, M. A. & Callanan, M. A. (1998). Metarepresentation in action: Children's theories of mind developing and emerging in parent-child conversations. *Developmental Psychology*, 34, 491-502.
- Taylor, M. & Sabbagh, M. A. (1996). Review of Children Talk About the Mind. *Merrill-Palmer Quarterly*, 42, 612-619.

## Book Chapters

- 2019 Sabbagh, M. A. (2019). Cognitive Development. In J. Benson (Ed.) *Encyclopedia of Infant and Early Childhood Development (2nd Ed.)*.
- 2018 Sabbagh, M. A. & Bowman, L. C. (2018). Theory of mind. In S. Ghetti (Ed.) *Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience (4th ed.)*. New York: Wiley.
- 2017 Mangardich, H. M. & Sabbagh, M. A. (2017). Mechanisms of selective social learning: Evidence and implications. To appear in M. M. Saylor & P. Ganea (Eds.) *Language and Concept Development from Infancy Through Childhood: Social Motivation, Cognition, and Linguistic Mechanisms of Learning*.



- Bardikoff, N. F. & Sabbagh, M. A. (2017). The differentiation of executive functioning across development: Insights from developmental cognitive neuroscience. In N. Budwig, E. Turiel, & P. D. Zelazo (Eds.), *New Perspectives On Human Development* (p. 47–66). Cambridge University Press.
- 2016 Schell, V. E. & Sabbagh, M. A. (2016). Theory of mind and communication: Developmental perspectives. In A. Bar-On & D. Ravid (Eds.), *Handbook of communication disorders: Theoretical, empirical and applied linguistics perspectives*. Berlin: De Gruyter Mouton.
- 2015 Sabbagh, M. A. (2015). Dopamine and theory of mind development. In J. Sommerville & J. Decety (Eds.) *Social Cognition: Frontiers in Developmental Science*. New York: Psychology Press.
- 2013 Sabbagh, M. A. (2013). Brain electrophysiological studies of theory of mind. In S. Baron-Cohen, & H. Tager-Flusberg (Eds.). *Understanding Other Minds, 3rd Ed* (pp. 119-131). Oxford: Oxford University Press.
- Henderson, A. M. E. & Sabbagh, M. A. (2013). Learning words from experience: An integrated framework. In L. Gogate & G. Hollich (Eds.), *Theoretical and computational models of word learning: Trends in Psychology and Artificial Intelligence*
- Sabbagh, M. A. & Henderson, A. M. E. (2013). Children are selective word learners. In M. Banaji & S. A. Gelman (Eds.) *Navigating the Social World*.
- 2012 Sabbagh, M. A., Benson, J. E., & Kuhlmeier, V. A. (2012). False belief understanding in infants and preschoolers. In M. Legerstee, D. Haley, & M. Bornstein (Eds.) *The Infant Mind*. Guilford Press.
- 2009 Benson, J. E. & Sabbagh, M. A. (2009). Theory of mind and executive functioning: A developmental neuropsychological approach. In P. Zelazo, E. Crone & M. Chandler (Eds.). *Developmental social cognitive neuroscience*.
- 2008 Baldwin, D. A., Loucks, J. & Sabbagh, M. A. (2008). Pragmatics of human action. In T. F. Shipley & J. Zacks (Eds.), *Understanding Events: How humans see, represent and act on events*.
- 2007 Moses, L. J. & Sabbagh, M. A. (2007). Interactions between domain specific and domain general processing in the development of children's theory of mind. In M. J. Roberts (Ed.) *Integrating the mind: Domain general versus domain specific processes in higher cognition* (pp. 275-291). New York: Psychology Press.
- 2006 Sabbagh, M. A., Henderson, A. M. E. & Baldwin, D. A. (2006). What infants' understanding of referential intentions tells us about the neuro-cognitive underpinnings of word learning. In R. Flom, K. Lee, & D. Muir (Eds), *Gaze-Following: Its development and significance* (pp. 171-192). Mahwah, NJ:

Erlbaum.

Sabbagh, M. A. (2006). Neurocognitive bases of preschoolers' theory-of-mind development: Integrating cognitive neuroscience and cognitive development. In P. Marshall & N. Fox (Eds.). *The Development of Social Engagement: Neurobiological Perspectives*. Oxford: Oxford University Press.

- 2005 Moses, L. J., Carlson, S. M., & Sabbagh, M. A. (2005). On The Specificity of the Relation between Executive Function and Children's Theories of Mind. In W. Schneider, R. Schumann-Hengsteler & B. Sodian (Eds.), *Young Children's Cognitive Development: Interrelationships among Executive Functioning, Working Memory, Verbal Ability, and Theory of Mind* (pp. 131-145). Mahwah, NJ: Erlbaum.

Sabbagh, M. A. & Baldwin, D. A. (2005). Understanding the role of perspective taking in young children's word learning. In N. Eilan, C. Hoerl, T. McCormack, & J. Roessler (Eds.). *Joint Attention: communication and other minds*. Oxford: Oxford University Press.

- 2004 Saylor, M. M., Baldwin, D. A., & Sabbagh, M. A. (2004). Coordinating multiple sources of information in word learning. In G. Hall & S. Waxman (Eds.) *Weaving a Lexicon*. Cambridge, MA: MIT Press.

## Conference Presentations (recent)

- SRP 2021  
Virtual Meeting  
Gallagher, A., Harkness, K. L., Sabbagh, M. A., & Olexa, B. How can I know you if I don't know myself? Low awareness of cognition impairs perspective taking in depression. (Poster)
- SRCD 2021  
Virtual Meeting  
Sabbagh, M. A., Atkinson, C., & Hilton, B. Belief change from exploration in preschool-aged children. (Talk)
- APS 2021  
Virtual Meeting  
Hudson, C., Sabbagh, M. A., & Harkness, K. L. Theory of Mind Matters: Social Outcomes of Individual Differences in Theory of Mind. (Talk)
- CSRF 2020  
Virtual Meeting  
Huberman, J. S., Mangardich, H., Sabbagh, M. A., & Chivers, M. L. Ready for Action: An ERP Signal for Detecting Sexual Readiness. (Talk)
- CDS 2019  
Louisville, Ky  
Sabbagh, M. A. Claims and Evidence. Invited talk presented at the Open Science preconference.
- JPS 2019  
Portland, OR  
Sabbagh, M. A. Can theory of mind make us feel connected? Invited talk presented at Social Cognition Preconference. q Sabbagh, M. A. & Atkinson, C. How experience and biology work together to shape theory of mind development. (Talk)
- SRCD 2019  
Baltimore MD  
Sabbagh, M. A. & Mangardich, H. Neurocognitive mechanisms for selective

- social learning: ERP Studies. (Talk)
- Development 2018  
St. Catherines, ON
- Mangardich, H. & Sabbagh, M. A. Cognitive mechanisms underlying children's selectivity towards socio-culturally irrelevant words (Talk)
- Bardikoff, N. F. & Sabbagh, M. A. Using multidimensionality to scaffold DCCS performance (Talk)
- Bardell, T., McCreary, B., Zhao, N. & Sabbagh, M. A. Natural irregular movement and theory of mind in preschoolers (Poster)
- FLUX 2018  
Berlin, Germany
- Sabbagh, M. A. How children change their minds (about minds) (Invited Talk).
- CDS 2017  
Portland, OR
- Atkinson, C. A., Flanagan, J. R. & Sabbagh, M. A. The development of processes associated with belief change over the preschool years. (Poster)
- Mangardich, H. & Sabbagh, M. A. Children ignore words for novel objects that are socio-culturally irrelevant. (Poster)
- IASR 2017  
Charleston, SC
- Huberman, J. S., Mangardich, H., Sabbagh, M. A., & Chivers, M. L. Sex on the brain? A neural investigation of women's sexual response. (Talk)
- SRP 2017  
Denver, CO
- Hudson, C. A., Shamblaw, A. L., Sabbagh, M. A. & Harkness, K. L. A model of interpersonal dysfunction in depression: The relations among theory of mind, excessive reassurance seeking and interpersonal stress. (Poster)
- SRCD 2017  
Austin, TX
- Sabbagh, M. A., Quistberg, K., & Sobel, D. M. Processes of conceptual change in preschool-aged children: Neurobiological and computational perspectives. (Talk)
- Mangardich, H., Benson, J. E., & Sabbagh, M. A. Neurodevelopmental correlates of theory of mind reasoning in 3.5-year-old children. (Poster)
- Bardkoff, N. & Sabbagh, M. A. A brief training about the attributes of objects improves 3-year-olds' performance on the Dimensional Change Card Sort Task. (Poster).
- Yuile, A. R. & Sabbagh, M. A. Neurodevelopmental correlates of perspective taking during role play. (Poster)
- Atkinson, C. L., Ho, J. K., & Sabbagh, M. A. Preschool-aged children show improved executive functioning performance following affectionate contact from a caregiver. (Poster)
- Quistberg, K. & Sabbagh, M. A. Developmental changes in preschoolers' abilities to change their beliefs in response to prediction-outcome mismatch events. (Strategic Plan Poster)
- BUCLD 2016  
Boston, MA
- Yuile, A. R. & Sabbagh, M. A. Inhibitory control is a rate-limiting factor to preschoolers' use of irregular inflection. (Talk)

- SRP 2016  
Baltimore, MD Hudson, C. C., Shamblaw, A. L., Sabbagh, M. A., & Harkness, K. L. A model of interpersonal dysfunction in depression: The relation among theory of mind, excessive reassurance seeking and interpersonal dysfunction. (Poster)
- CPA 2016  
Victoria, BC Shamblaw, A. L., Benson, J. E., Sabbagh, M. A., & Harkness, K. L. Intergenerational transmission of depression: The role of social cognition. (Talk)
- ISRCAP 2015  
Portland, OR Shamblaw, A., Benson, J. E., Sabbagh, M. A. & Harkness, K. L. Maternal depression and children's theory of mind understanding. (Poster)
- JPS 2015  
Toronto, ON Mangardich, H. & Sabbagh, M. A. Cognitive mechanisms underlying children's selective learning. (Talk)
- SRCD 2015  
Philadelphia, PA Bardikoff, N. & Sabbagh, M. A. Neurodevelopmental correlates of executive functioning in preschool aged children. (Poster)
- Drover, S. M. & Sabbagh, M. A. Young children's understanding of false belief: P3b responses in an implicit false belief task (Poster)
- Mangardich, H. & Sabbagh, M. A. Neurophysiological correlates of selective word learning in 6-year-olds. (Poster)
- Sabbagh, M. A. Scope and prescriptive force in young children's reasoning about conventions. (Talk)
- Schell, V. E., Mackintosh, T., & Sabbagh, M. A. Gender effects in children's compliance with social conventions. (Poster)
- SRP 2014  
Evanston, IL Harkness, K. L., Sabbagh, M. A., Zahavi, A. & Kennedy, J. The neural architecture of theory of mind in depression: Brain electrophysiological correlates. (paper)
- Development 2014  
Ottawa, ON Mangardich, H. & Sabbagh, M. A. Neural correlates of children's selective learning.
- Drover, S. M. & Sabbagh, M. A. Developmental shifts in young children's P3b responses to socially-unexpected events.
- IMFAR 2013  
San Sebastian, ES Li, A. S., Sabbagh, M. A., & Kelley, E. A. (2013). How do children with autism spectrum disorders solve false belief tasks? Insights from an EEG study. (Poster)
- SRCD 2013  
Seattle, WA Benson, J. E., Sabbagh, M. A., Carlson, S. M., & Zelazo, P. D. Executive functioning supports the emergence of explicit theory of mind understanding in preschoolers: Evidence and mechanisms. (Talk)
- Christopher, A. & Sabbagh, M. A. Affectionate contact and theory of mind in parent-child dyads. (Poster)
- Mackintosh, T. & Sabbagh, M. A. Age-related changes in preschoolers

- identification of conventional versus idiosyncratic behavior in games. (Poster)
- Merwin, K., Kuhlmeier, V. A., & Sabbagh, M. A. Three-year-olds overimitate when actions are presented as conventions. (Poster)
- Sabbagh, M. A. & Henderson, A. M. E. Eye-tracking evidence regarding how preschoolers manifest selective learning in different contexts. (Talk)
- SfN 2012  
New Orleans, LA Drover, S. & Sabbagh, M. A. (2012, October). Expectation and surprise during theory of mind reasoning: an event-related potential study. (Poster) Also presented at a pre-conference hosted by the Society for Social Neuroscience.
- SRCD 2011  
Montreal, QC Sabbagh, M. A. Genetic influences on social perception, social cognition and social behaviour. (Symposium Chair)
- Lackner, C. L., Sabbagh, M. A., Hallinan, E. V., Liu, X. & Holden, J. Dopamine receptor D<sub>4</sub> variation predicts preschoolers' developing theory of mind. (Talk)
- Sabbagh, M. A. Neurodevelopmental bases of theory of mind in preschool-aged children. (Talk)
- Sabbagh, M. A., Hopkins, S. F. R., Rajaprakash, M. & Benson, J. E. Adjusting expectations: Understanding the role of the right temporal parietal juncture in representational theory of mind (Talk).
- SRP 2010  
Seattle, WA Washburn, D. S., Theriault, J., Lee, L., Sabbagh, M. A., & Harkness, K. L. Maternal History of Depression Associated with Enhanced Theory of Mind in Depressed and Non-Depressed Adult Women. (Poster)
- SRCD 2009  
Denver, CO Lackner, C. L., Hallinan, E. V., & Sabbagh, M. A. Dopaminergic functioning predicts response-conflict task performance in preschool children. (Poster)
- Sabbagh, M. A., Harkness, K. L., Jacobson, J. A. & Duong, D. Are depressed people better mind-readers? Evidence for enhanced theory of mind decoding in mild to moderate depression. (Talk)
- Benson, J. E. & Sabbagh, M. A. Individual differences in executive functioning predict preschoolers' improvement from false belief training. (Poster)
- Hallanan, E. V., Lackner, C. L. & Sabbagh, M. A. Ontogenetic relations among preschoolers' reasoning about signs signals and beliefs. (Poster)
- Tahiroglu, D., Moses, L. J., Carlson, S. M., & Sabbagh, M. A. Can parents report on their children's mental state understanding? Construction of a parent-report theory of mind scale. (Poster)
- Henderson, A. M. E., Sabbagh, M. A., Woodward, A. L., & Saby, J. Retrieval cues do not help preschoolers remember the name of an object from a foreign country. (Poster)

## Invited Talks

- 2016–2020 University of Toronto, Cornell University, University of Waterloo, University of Maryland, University of Western Ontario, Carleton University, University of Texas at Arlington, Queen’s University (Education, RJSE Keynote), McGill University (2018 Macnamara Lecture), Cornell University, University of Calgary
- 2013–2015 Concordia University, Glasgow University, University of Washington, UC Davis, University of Michigan, UC Santa Cruz, University of Oregon, UC San Diego
- 2009–2012 Simon Fraser University, Brock University, University of Wisconsin at Madison, University of Ottawa, Vanderbilt University
- 2008–2009 UC Davis, University of Maryland, Stanford University, University of Minnesota, University of Washington, UC Berkeley, UC Santa Cruz, University of Toronto
- 2007 and earlier York University, Kingston General Hospital, UC San Diego, Vanderbilt University, Concordia University, University of Michigan, Chinese Academy of Sciences, Beijing Normal University, University of Toronto

## Professional Service

- Journals Editor-in-Chief, *Cognitive Development* (2014–2019)  
Associate Editor, *Developmental Psychology* (2008–2012)  
Ad-hoc Reviewing:  
*PNAS, Developmental Psychology, Child Development, Cortex, Journal of Child Language, Journal of Cognition and Development, Cognitive Development, Cognitive Psychology, Developmental Science, Psychological Science, Journal of Personality and Social Psychology, British Journal of Developmental Psychology, Brain and Language, Journal of Autism and Developmental Disorders, Journal of Cognitive Neuroscience, Neuropsychologia, Social Neuroscience, Trends in Cognitive Sciences, Cognition, Psychiatry Research, Journal of Abnormal Psychology, PLoS One, Infancy, Nature Communications*
- Societies Board Member, Cognitive Development Society (2013–2016)  
Program Review, SRCD (2005, 2009, 2013)  
Program Review, Jean Piaget Society (2007, 2008, 2012)  
Invited Symposium, Jean Piaget Society, 2008

Granting Agencies

SSHRC Panel (2011, 2013, 2016)

Ad-hoc:

NSERC (2 per year since 2005)

SSHRC (1 per year since 2005)

CIHR (4)

NSF (USA) (3)

Israeli Science Foundation (1)

Faculty Reviews Vanderbilt University, Duke University, Cornell University, Western University, University of Toronto, University of Toronto (OISE), UC Davis, UT Dallas, University of Waterloo, Queen's University (Education), APA: Career Achievement Award

Workshops & Special Issues Co-editor, *New Directions in Child and Adolescent Development* (with Charles Kalish) on Selective Social Learning (2007)

Pre-conference organizer, International Conference on Infancy Studies (ICIS) (with Debbie Siegel) on Selective Social Learning (2008)

Workshop Organizer, SSHRC funded workshop on Selective Social Learning (2008)

Co-editor, Special Issue of *Developmental Psychology* (with Melissa Koenig) on Selective Social Learning (2013)

Co-editor, Special Issue of *Cognitive Development* (with Markus Paulus) on Theory of Mind in Infants and Preschoolers (2016).

## Departmental Service

Coordinator of Graduate Studies (2021–pres)

Chairperson Developmental Area (2002-2009, 2013-14)

*Shortly after my arrival at Queen's, the then-current members of the Developmental Area retired or took jobs elsewhere, thereby leaving me as the only member of the program. I became chair and, together with the Department Head at the time (Merlin Donald) began to rebuild the Developmental Area. In this position I carried out the following duties:*

- Chaired 2 to 4 job searches per year as we sought to hire junior and senior faculty to the program.
- Chaired Developmental Area committee as rebuilt our graduate program curriculum, specified course and comprehensive requirements, and developed an intellectual culture.

- Member of departmental executive committee (Priorities and Procedures)
- Member of Graduate Committee
- Development of child participant database

Renewal, Tenure, & Promotion committee (2016-17, 2019-20)

*Members of this elected committee review and evaluate faculty members' applications for renewal, tenure and promotion within the department and make recommendations regarding each file to the department head. This committee meets several times a year, as outlined in the collective agreement. Chairperson responsibilities include developing the review of candidates' files, coordinating external evaluations, and drafting the recommendation letters.*

- Committees
- Renewal, Tenure & Promotion (2010-11)
  - Merit Committee (2002-4, 2009-12, 2014)
  - Undergraduate Committee (2001-2, 2009, 2016-20)
  - Research Ethics Committee (2001-4)
  - Headship Search Committee (2002, 2016)

## **University Service**

- Committees
- Peer Research Consultant, Faculty of Arts & Sciences (2013-2021)  
*Members of this nominated committee provide the university social sciences research community with guidance and assistance in preparing grant applications to federal and provincial granting agencies. I am a founding member of this committee designed to improve the research culture at Queen's University and encourage participation across a wide range of fields.*
  - Developmental Neuroscience Initiatives (2009-2017)  
*This interdisciplinary committee met to discuss funding opportunities and curriculum development that coordinates the many resources around Queen's University devoted to understanding basic and applied issues in children's neurocognitive development.*
  - Queen's Entrance Scholarship Adjudication Committee (2005, 2009)
  - Ontario Graduate Scholarship Adjudication Committee (2004, 2009, 2013)
  - "Prof Talk" contributor (2007-pres.)
  - Academic Orientation Committee (2006-7)

## **Courses Taught**

- Graduate
- Statistics/Design of Experiments



Developmental Proseminar  
Developmental Cognitive Neuroscience  
Cognitive Development

Undergraduate Theory of Mind  
Developmental Psychology  
Developmental Psycholinguistics  
Cognitive and Language Development  
Senior Honours Coordinator

## **Supervision**

Ph.D. Brooke Hilton (current)  
Caitlin Atkinson (current)  
Mark Payumo (current)  
Haykaz Mangardich (2020)  
Nicole Bardikoff (2016)  
Jeannette Benson (2014)  
Sevda Bahtiyar (2013)  
Jennie Baxter (2009)  
Annette Henderson (2007)

M.Sc. Brooke Hilton (2021)  
Mark Payumo (2020)  
Caitlin Atkinson (2018)  
Amanda Rose Yuile (2016)  
Vanessa Schell (2016)  
Haykaz Mangardich (2016)  
Martha Bailey (2014)  
Samantha Drover (2014)  
Anastasia Christopher (2013)  
Christine Lackner (2009)  
Sarah Bannoff (2008)  
Jeannette Benson (2007)  
Beth Seamans (2004)

Undergraduate (Honors Thesis) Katie Smith, Rachel Wax (current)  
Gretha Conrads, Ally Zikic (2020)  
Maya Albin, Veronica Johnson (2019)  
Taylor Bardell, Cassy Liu (2018)

Breanna McCreary (2017)  
Lauren Brandys, Chelsea Dahlgren, Shira Siegel (2016)  
Jessica Ho, Meagan Murphy (2015)  
Elizabeth McEwen (2014)  
Rackeb Tesfaye, Peter Law, Teal Mackintosh (2013)  
Alena Mandel, Samantha Drover, Emily Bradshaw (2012)  
Laura Aranow, Alisha Kassam, Erin Sloan (2011)  
Sydney Hopkins, Victoria Nanowski, Angelita Wong (2010)  
Meghna Rajaprakash, Taryn Ridsdale, Joyce Max (2009)  
Lindsay Bowman, Carlin Palme (2007)  
Alexandra Bailey, Kara Campbell, Jenna Neu (2006)  
Nathalie Conn, Rebecca Tay (2005)  
Nicole Strang, Dana David (2004)  
Andrew Davis, Lisa Ain, Sheila Manji (2003)  
Jeff Loucks, Martha Temple, Eva Mamak (2002)  
Connie Cheung, Janice Cameron, Sylwia Wdowiak, Neeta Chowdrey (2001)

## **Professional Associations**

Society for Research in Child Development (SRCD)  
Association for Psychological Science (APS)  
Cognitive Development Society (CDS)  
Flux Society  
Jean Piaget Society (JPS)