

Curriculum Vitae

**Martha Ann Bell, Ph.D.**

University Distinguished Professor  
College of Science Faculty Fellow  
Professor of Psychology  
Virginia Tech

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Google Scholar website: <https://scholar.google.com/citations?user=8aAxlQMAAAAJ&hl=en>

**Education**

1992, PhD University of Maryland, Human Development  
1983, MS University of Tennessee, Child and Family Studies  
1978, BS Carson-Newman College, Home Economics

**Professional Appointments**

2021 - permanent University Distinguished Professor, Virginia Tech  
2019 - present College of Science Faculty Fellow, Virginia Tech  
2016 - present Affiliated Professor of Neuroscience, Virginia Tech  
2015 - present Affiliated Professor of Human Development & Family Science, Virginia Tech  
2014 - present Professor of Health Sciences, Virginia Tech  
2010 - present Professor of Psychology, Virginia Tech  
2001 - 2010 Associate Professor of Psychology, Virginia Tech  
1996 - 2001 Assistant Professor of Psychology, Virginia Tech  
1993 - 1996 Visiting Assistant Professor of Psychology, University of South Carolina  
1992 - 1993 Research Associate, Child Development Laboratory, University of Maryland  
1984 - 1992 Graduate Student, Dept of Human Development, University of Maryland  
1979 - 1983 Home Economics Teacher, Farragut High School, Knox County Schools, TN  
1978 - 1979 Home Economics Teacher, Cosby High School, Cocke County Schools, TN

**Honors / Awards**

2023 Research Excellence Recognition Award, Virginia Tech  
2020 Rovee-Collier Mentor Award, International Society for Developmental Psychobiology  
2020 Alumni Award for Research Excellence, Virginia Tech  
2020 Outstanding Graduate Mentor Award, College of Science, Virginia Tech  
2019 Senior Investigator Award, International Society for Developmental Psychobiology  
2017 Excellence in Teaching Award, VT Center for Excellence in Teaching and Learning  
2017 - 2020 Executive Board, American Psychological Association – Division 7 (elected)  
2015 - 2018 Executive Board, International Society for Developmental Psychobiology (elected)  
2015 - 2017 Chair, *Cognition & Perception* NIH Study Section  
2013 Senior Fellow, Virginia Tech Institute for Society, Culture and Environment  
2011 Fellow, Association for Psychological Science  
2011 Fellow, American Psychological Association - Division 3, Experimental and Cognitive  
2010 Outstanding Scholar Alumni Award, College of Education, University of Maryland  
2008 - 2013 Editor (Editor-in-Chief), *INFANCY*

- 2008 Honor Roll Award, Americans with Disabilities Act Services at Virginia Tech
- 2007 Fellow, American Psychological Association - Division 7, Developmental
- 2007 Favorite Faculty Award, Department of Residence Life, Virginia Tech
- 1995 Professor Appreciation Award, Sorority Council, University of South Carolina
- 1993 Outstanding Dissertation Award, Division 7, American Psychological Association
- 1992 Graduate Student Research Award ("Outstanding Dissertation Award"), International Society on Infant Studies

### **Mentee Honors / Awards**

*(for research done in my lab; does not include conference travel or abstract awards)*

- 2024 Top 10 downloaded article for 2022-2023 at *Developmental Psychobiology* – Tatiana Meza-Cervera
- 2024 Virginia Tech College of Science Roundtable: Make a Difference Research Scholarship – Vanessa Diaz Benitez
- 2019 Chinese Government Award for Outstanding Self-financed Students Abroad – Ran Liu
- 2018 Early Career Research Award for best graduate student paper at *Infancy* – Nicole Perry (co-mentored manuscript with Susan Calkins)
- 2015 Early Career Outstanding Paper Award, American Psychological Association, Division 7 – Kimberly Cuevas
- 2015 David Kucharski Young Investigator Award, International Society for Developmental Psychobiology - Kimberly Cuevas
- 2014 Hennessy-Smotherman-Wiley Best Student Paper Award, *Developmental Psychobiology* - Michelle Patriquin (co-mentored manuscript with Angela Scarpa)
- 2014 Top 10 downloaded article for 2014 at *Developmental Psychobiology* – Jessica Kraybill
- 2013 Dissertation Research Award, American Psychological Association – Amanda Watson Joyce
- 2008 Outstanding Dissertation Award, International Society for Developmental Psychobiology – Katherine Morasch
- 2004 Dissertation Research Award, American Psychological Association – Christy Wolfe

## Research

Underlined names = current and former graduate students, undergraduate students, postdocs, and medical students for whom I have been primary mentor

### Peer-Reviewed Journal Articles

- 152) Putnam, S. P., Sehic, E., French, B., Gartstein, M.A., Lira Luttges, B. & 489 members of the Global Temperament Project. (2024\_early online). The Global Temperament Project: Parent-Reported temperament in infants, toddlers and children from 59 nations. *Developmental Psychology*.
- 151) Zerrouk, M., & **Bell, M.A.** (2024\_early online). Examining conduct problems in a community sample during middle childhood: The role of frontal EEG asymmetry, temperament, and working memory. *Research on Child and Adolescent Psychopathology*.
- 150) Hong, Y., **Bell, M.A.**, & Deater-Deckard, K. (2024\_early online). Mother-child similarity during observed interactions: Links with mother and child effortful control. *Family Relations*.
- 149) Zhu, D., Terry, J.B., Talley, K.E., **Bell, M.A.**, & Dunsmore, J.D. (2024\_early online). Etch the emotional life: Mother-child emotion socialization from age 3 to 6 years. *Journal of Child and Family Studies*.
- 148) Zerrouk, M., Ravigopal, T., & **Bell, M.A.** (2024). Assessing anxiety problems in a community sample during toddlerhood: The impact of child temperament and maternal intrusiveness. *Infant Behavior and Development*, 70, 101932.
- 147) Hong, Y., Bertrand, C.M., Deater-Deckard, K., Smith, C.L., & **Bell, M.A.** (2024). The role of mother's and child's self-regulation on bidirectional links between harsh parenting and child externalizing problems. *Developmental Psychology*, 60(3), 441–455.
- 146) Bruce, M., Ermanni, B., & **Bell, M.A.** (2024). Vocabulary size predicts behavioral problems in emotionally reactive children. *Early Childhood Research Quarterly*, 67, 265-273.
- 145) Bertrand, C., **Bell, M.A.**, & Deater-Deckard, K. (2023). Maternal executive function, authoritarian attitudes, and hostile attribution bias as interacting predictors of harsh parenting. *Journal of Family Psychology*, 37(3), 388–397.
- 144) Bruce, M., Ermanni, B., & **Bell, M.A.** (2023). The longitudinal contributions of child language, negative emotionality, and maternal positive affect on toddler executive functioning development. *Infant Behavior and Development*, 72, e101847
- 143) Bruce, M., Savla, J., & **Bell, M.A.** (2023). From terrible twos to sassy sixes: The development of vocabulary and executive functioning across early childhood. *Developmental Science*, 26, e13396.
- 142) Christensen, J.D., **Bell, M.A.**, & Deater-Deckard, K.D. (2023). Maternal age differences in cognitive regulation: Examination of associations and interactions between RSA and EEG frontoparietal alpha power coherence. *Frontiers in Human Neuroscience*, 17, 1188820.
- 141) Hassan, R., Smith, C.L., Schmidt, L.A., Brook, C.A., & **Bell, M.A.** (2023). Developmental patterns of children's shyness: Relations with physiological, emotional, and regulatory responses to being treated unfairly. *Child Development*, 94, 1745-1761.
- 140) Liu, R., & **Bell, M.A.** (2023). Fearful temperament in middle childhood predicts adolescent attention bias and anxiety symptoms: The moderating role of frontal EEG asymmetry. *Development and Psychopathology*, 35, 1335-1345.
- 139) Meza-Cervera, T., Kim-Spoon, J., & **Bell, M.A.** (2023). Adolescent depressive symptoms: The role of late childhood frontal EEG asymmetry, executive function, and adolescent cognitive reappraisal. *Research on Child and Adolescent Psychopathology*, 51, 193-207.
- 138) Phillips, J.J., Bruce, M., & **Bell, M.A.** (2023). Setting the stage: Biopsychosocial predictors of early childhood externalizing behaviors. *Developmental Psychobiology*, 65, e22391.
- 137) Phillips, J.J., Roche, M.J., & **Bell, M.A.** (2023\_early online). The utility of the Level of Personality Functioning Scale in maternal samples: A brief report. *Journal of Personality Assessment*.
- 136) Blankenship, T.L., Calkins, S.D., & **Bell, M.A.** (2022). The role of executive functions in item

- recognition and temporal order memory development. *Journal of Cognition and Development*, 23, 135-147.
- 135) Broomell, A.P.R., & **Bell, M.A.** (2022). Longitudinal structure of executive function from infancy to late childhood. *Cognitive Development*, 63, e101229.
- 134) Bruce, M., & **Bell, M.A.** (2022). Vocabulary and executive functioning: A scoping review of the unidirectional and bidirectional associations across early childhood. *Human Development*, 66, 167-187.
- 133) Bruce, M., McFayden, T.C., Ollendick, T.H., & **Bell, M.A.** (2022). Expressive language in infancy and toddlerhood: The role of child temperament and maternal parenting behaviors. *Developmental Psychobiology*, 64, e22287.
- 132) Bruce, M., Miyazaki, Y., & **Bell, M.A.** (2022). Infant attention and maternal education are associated with childhood receptive vocabulary development. *Developmental Psychology*, 58, 1207-1220.
- 131) Gartstein, M.A., Seamon, E., Mattera, J.A., Enlow, M.B., Wright, R.J., Perez-Edgar, K., Buss, K., LoBue, V., **Bell, M.A.**, Goodman, S.H., Spieker, S., Bridgett, D.J., Salisbury, A.L., Gunnar, M., Muzik, M., Stifter, C., Planalp, E.M., Mehr, S., Spelke, E., Lukowski, A.F., Groh, A., Lickenbrock, D.M., Santelli, R., Schudlich, T.D., Anzman-Frasca, S., Thrasher, C., Diaz, A., Dayton, C., Moding, K., Jordan, E.M., & Miliner, S. (2022). Using machine learning to understand age and gender classification based on infant temperament. *PLOS ONE*, e0266026.
- 130) Meza-Cervera, T., Tucker, A., Liu, R., & **Bell, M.A.** (2022). Child emotion inhibition mediates the effect of parent's adaptive cognitive emotion regulation on child frontal EEG asymmetry during reappraisal. *Developmental Psychobiology*, 64, e22339.
- 129) Zerrouk, M., Diaz, A., & **Bell, M.A.** (2022). Inhibitory control moderates the association between fear and attention bias to snakes in middle childhood. *Cognitive Development*, 64, 101253.
- 128) Broomell, A.P.R., Savla, J., Calkins, S.D., & **Bell, M.A.** (2021). Infant EEG coherence and early childhood inhibitory control: Foundations for social cognition in late childhood. *Developmental Psychology*, 57(9), 1439-1451.
- 127) Clark, E.A., Duncan, S.E., **Bell, M.A.**, Lahne, J., Gallagher, D.L., & O'Keefe, S.F. (2021). Characterizing consumer emotional response to milk packaging guides interpretation of consumer behavior. *Food Quality and Preference*, 87, e103984.
- 126) Goodman, S.H., Liu, R., Lusby, C.M., Park, J.S., **Bell, M.A.**, Newport, D.J., & Stowe, Z.N. (2021). Consistency of EEG asymmetry patterns in infants of depressed mothers. *Developmental Psychobiology*, 63, 768-781.
- 125) Holmboe, K., Larkman, C., de Klerk, C., Simpson, A., **Bell, M.A.**, Patton, L., Christodoulou, C., & Divergsdal, H. (2021). The Early Childhood Inhibitory Touchscreen Task: A new measure of response inhibition in toddlerhood and across and lifespan. *PLOS ONE*, 2021, e0260695.
- 124) Hong, Y., McCormick, S., Deater-Deckard, K., Calkins, S.D., & **Bell, M.A.** (2021). Household chaos, parental responses to emotion and child emotion regulation in middle childhood. *Social Development*, 30, 786-805.
- 123) Hunter H., Allen, K.B., Liu, R., Jaekel, J., & **Bell, M.A.** (2021). Examining the bidirectional relationships between maternal intrusiveness and child internalizing symptoms in a community sample: A longitudinal study from infancy to middle childhood. *Depression and Anxiety*, 38(12), 1245-1255.
- 122) Liu, R., Calkins, S.D., & **Bell, M.A.** (2021). Frontal EEG asymmetry moderates the associations between negative temperament and behavioral problems during childhood. *Development and Psychopathology*, 33(3), 1016-1025.
- 121) Liu, L., Phillips, J.J., Ji, F., Shi, D., & **Bell, M.A.** (2021). Temperamental shyness and anger/frustration in childhood: Normative development, individual differences, and the impacts of maternal intrusiveness and frontal EEG asymmetry. *Child Development*, 92(6), 2529-2545.
- 120) Rajan, V., Cuevas, K., & **Bell, M.A.** (2021). Memory binding and theta EEG during middle childhood. *Developmental Psychobiology*, 63, e22124.

- 119) Whedon, M., Perry, N., Curtis, E., & **Bell, M.A.** (2021). Private speech and the development of self-regulation: The importance of temperamental anger. *Early Childhood Research Quarterly, 56*, 213-224.
- 118) Broomell, A.P.R., Smith, C.L., Calkins, S.D., & **Bell, M.A.** (2020). Context of maternal intrusiveness during infancy and associations with preschool executive function. *Infant and Child Development, 29*, e2162.
- 117) Clark, E.A., Kessinger, J., Duncan, S.E., **Bell, M.A.**, Lahne, J., Gallagher, D.L., & O'Keefe, S.F. (2020). The Facial Action Coding System for characterization of human affective response to consumer product-based stimuli: A systematic review. *Frontiers in Psychology / Emotion Science, 11*, e920.
- 116) Gartstein, M.A., Hancock, G.R., Potapova, N.V., Calkins, S.D., & **Bell, M.A.** (2020). Modeling development of frontal electroencephalogram (EEG) asymmetry: Sex differences and links with temperament. *Developmental Science, 23*, e12891.
- 115) Helm, A.F., McCormick, S.A., Deater-Deckard, K., Smith, C.L., Calkins, S.D., & **Bell, M.A.** (2020). Parenting and children's executive function stability across the transition to school. *Infant and Child Development, 29*, e2171.
- 114) Liu, R., & **Bell, M.A.** (2020). Fearful temperament and the risk for child and adolescent anxiety: The role of attention biases and effortful control. *Clinical Child and Family Psychology Review, 23*, 205-228.
- 113) Whedon, M., Perry, N.B., & **Bell, M.A.** (2020). Relations between frontal EEG maturation and inhibitory control in preschool in the prediction of children's early academic skills. *Brain & Cognition, 146*, e105636.
- 112) Blankenship, T. L., Slough, M. A., Calkins, S. D., Deater-Deckard, K., Kim-Spoon, J., & **Bell, M.A.** (2019). Attention and executive functioning in infancy: Links to childhood executive function and reading achievement. *Developmental Science, 22*, e12824.
- 111) Brito, N.H., Fifer, W.P., Amso, D., Barr, R., **Bell, M.A.**, Calkins, S., Flynn, A., Montgomery-Downs, H.E., Oakes, L.M., Richards, J.E., Samuelson, L.M., & Colombo, J. (2019). Beyond the Bayley: Neurocognitive assessments of development during infancy and toddlerhood. *Developmental Neuropsychology, 44*, 220-247.
- 110) Broomell, A.P.R., Savla, J., & **Bell, M.A.** (2019). Infant electroencephalogram coherence and toddler inhibition are associated with social responsiveness at age 4. *Infancy, 24*, 43-56.
- 109) Diaz, A., Swingler, M.M., Tan, L., Smith, C.L., Calkins, S.D., & **Bell, M.A.** (2019). Infant frontal EEG asymmetry moderates the association between maternal behavior and toddler negative affectivity. *Infant Behavior and Development, 55*, 88-99.
- 108) Dunsmore, J., Ashley, R., Zhou, Y., Swain, D., Factor, R., Broomell, A., Waldron, J., **Bell, M.A.**, & Scarpa, A. (2019). Marching to the beat of your own drum? A proof-of-concept study assessing physiological linkage in Autism Spectrum Disorder. *Biological Psychology, 144*, 37-45.
- 107) Kim-Spoon, J., Deater-Deckard, K., King-Casas, B., Calkins, S., & **Bell, M. A.** (2019). Commonality between executive functioning and effortful control related to adjustment. *Journal of Applied Developmental Psychology, 60*, 47-55.
- 106) Kraybill, J.H., Kim-Spoon, J., & **Bell, M.A.** (2019). Infant attention and age 3 executive function. *Yale Journal of Biology and Medicine, 92*, 3-11.
- 105) Blankenship, T.L., Broomell, A.P.R., & **Bell, M.A.** (2018). Semantic future thinking and executive functions at age 4: The moderating role of frontal brain electrical activity. *Developmental Psychobiology, 60*, 608-614.
- 104) Blankenship, T.L., Keith, K., Calkins, S.D., & **Bell, M.A.** (2018). Behavioral performance and neural areas associated with memory processes contribute to math and reading achievement in 6-year-old children. *Cognitive Development, 45*, 141-151.
- 103) Crandall, A.A., Ghazarian, S.R., Deater-Deckard, K., **Bell, M.A.**, & Riley, A.W. (2018). The interface of maternal cognitions and executive function in parenting and child conduct problems. *Family Relations, 67*, 339-353.
- 102) Diaz, A., Blankenship, T.L., & **Bell, M.A.** (2018). Episodic memory in middle childhood: Age, brain electrical activity, and self-reported attention. *Cognitive Development, 47*, 63-70.

- 101) Joyce, A.W., Friedman, D.R., Wolfe, C.D., & **Bell, M.A.** (2018). Executive attention at age 8: Concurrent and longitudinal predictors and individual differences. *Infant and Child Development*, 27, e2066.
- 100) Liu, R., Blankenship, T.L., Broomell, A.P.R., Garcia Meza, T., Calkins, S.D., & **Bell, M.A.** (2018). Executive function mediates the association between toddler negative affectivity and early academic achievement. *Early Education & Development*, 29, 641-654.
- 99) Liu, R., Calkins, S.D., & **Bell, M.A.** (2018). Fearful inhibition, inhibitory control, and maternal negative behaviors during toddlerhood predict internalizing problems at age 6. *Journal of Abnormal Child Psychology*, 46, 1665-1675.
- 98) MacNeill, L., Ram, N., **Bell, M.A.**, Fox, N.A., & Perez-Edgar, K. (2018). Trajectories of infants' biobehavioral development: Timing and rate of A-not-B performance gains and EEG maturation. *Child Development*, 89, 711-724.
- 97) Marcano, J.L., **Bell, M.A.**, & Beex, A.A. (2018). Classification of ADHD and non-ADHD subjects using a universal background model. *Biomedical Signal Processing and Control*, 39, 204-212.
- 96) Norton, A., Ulrich, C., **Bell, M.A.**, & Cate, A. (2018). Mathematics at hand. *The Mathematics Educator*, 27, 33-59.
- 95) Perry, N.B., Dollar, J.M., Calkins, S.D., & **Bell, M.A.** (2018). Developmental cascade and transactional associations among biological and behavioral indicators of temperament and maternal behavior. *Child Development*, 89, 1735-1751.
- 94) Scarpa, A., Ashley, R.A., Waldron, J.C., Zhou, Y., Swain, D.M., Dunsmore, J.C., & **Bell, M.A.** (2018). Side by side: Modeling dyadic physiological linkage in strangers. *Emotion*, 18, 615-624.
- 93) Whedon, M., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2018). Cardiac vagal regulation in infancy predicts executive function and social competence in preschool: Indirect effects through language. *Developmental Psychobiology*, 60, 595-607.
- 92) Atzaba-Poria, N., Deater-Deckard, K., & **Bell, M.A.** (2017). Mother-child interaction: Links between mother and child frontal EEG asymmetry and negative behavior. *Child Development*, 88, 544-554.
- 91) Bacher, L.F., Retz, S., Lindon, C., & **Bell, M.A.** (2017). Individual differences in eye blinking: Relationships to working memory and frontal EEG asymmetry. *Infancy*, 22, 150-170.
- 90) Broomell, A.P.R., & **Bell, M.A.** (2017). Inclusion of a mixed condition makes the day/night task more analogous to the adult Stroop. *Developmental Neuropsychology*, 42, 241-252.
- 89) Deater-Deckard, K., & **Bell, M. A.** (2017). Maternal executive function, heart rate, and EEG alpha reactivity interact in the prediction of harsh parenting. *Journal of Family Psychology*, 31, 41-50.
- 88) Gartstein, M.A., Prokasky, A., **Bell, M.A.**, Calkins, S.D., Bridgett, D., Braungart-Rieker, J., Leerkes, E., Cheatham, C., Eiden, R.D., Mize, K.D., Jones, N.A., Mireault, G., & Seamon, E. (2017). Latent profile and cluster analysis of infant temperament: Comparisons across person-centered approaches. *Developmental Psychology*, 53, 1811-1825.
- 87) Li, M., Deater-Deckard, K., Calkins, S.D., & **Bell, M.A.** (2017). Getting to the heart of personality in early childhood: Cardiac electrophysiology and stability of temperament. *Journal of Research in Personality*, 67, 151-156.
- 86) Swingler, M.M., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2017). Maternal behavior predicts infant neurophysiological and behavioral attention processes in the first year. *Developmental Psychology*, 53, 13-27.
- 85) Walsh, A.M., Duncan, S.E., **Bell, M.A.**, O'Keefe, S.F., & Gallagher, D.L. (2017). Breakfast meals and emotions: Implicit and explicit assessment of the visual experience. *Journal of Sensory Studies*, 32, e12265.
- 84) Walsh, A.M., Duncan, S.E., **Bell, M.A.**, O'Keefe, S.F., & Gallagher, D.L. (2017). Integrating implicit and explicit emotional assessment of food quality and safety concerns. *Food Quality and Preference*, 56, 212-224.
- 83) **Bell, M.A.**, Ross, A.P., & Goodman, G. (2016). Assessing infant cognitive development after prenatal iodine supplementation. *American Journal of Clinical Nutrition*, 104, 928s-934s.

- 82) Bernier, A., Calkins, S.D., & **Bell, M.A.** (2016). Longitudinal associations between the quality of maternal parenting behavior and brain development across infancy. *Child Development, 87*, 1159-1174.
- 81) Blankenship, T.L., O'Neill, M., Deater-Deckard, K., Diana, R.A., & **Bell, M.A.** (2016). Frontotemporal functional connectivity and executive functions contribute to episodic memory performance. *International Journal of Psychophysiology, 107*, 72-82.
- 80) Cuevas, K., Calkins, S.D., & **Bell, M.A.** (2016). To Stroop or not to Stroop: Sex-related differences in brain-behavior associations in early childhood. *Psychophysiology, 53*, 30-40.
- 79) Deater-Deckard, K., Li, M., & **Bell, M.A.** (2016). Multi-faceted emotion regulation, stress, and affect in mothers of young children. *Cognition and Emotion, 30*, 444-457.
- 78) Howarth, G.Z., Fetti, N.B., Curby, T.W., & **Bell, M.A.** (2016). Frontal EEG asymmetry and temperament across infancy and early childhood: An exploration of stability and bidirectional relations. *Child Development, 87*, 465-476.
- 77) Joyce, A.W., Kraybill, J., Chen, N., Cuevas, K., Deater-Deckard, K., & **Bell, M.A.** (2016). A longitudinal investigation of conflict and delay inhibitory control in toddlers and preschoolers. *Early Education and Development, 27*, 788-804.
- 76) Lusby, C.M., Goodman, S.H., Yeung, E.W., **Bell, M.A.**, & Stowe, Z.N. (2016). Infant EEG and temperament negative affectivity: Coherence of vulnerabilities to mothers' perinatal depression. *Development and Psychopathology, 28*, 895-911.
- 75) Marcovitch, S., Clearfield, M.W., Swingler, M.M., Calkins, S.D., & **Bell, M.A.** (2016). Attentional predictors of 5-month-olds' performance on a looking A-not-B task. *Infant and Child Development, 25*, 233-246.
- 74) Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2016). Indirect effects of maternal sensitivity on infant emotion regulation behaviors: The role of vagal withdrawal. *Infancy, 21*, 128-153.
- 73) Perry, N.B., Swingler, M.M., Calkins, S.D., & **Bell, M.A.** (2016). Neurophysiological correlates of attention behavior in early infancy: Implications for emotion regulation during early childhood. *Journal of Experimental Child Psychology, 142*, 245-261.
- 72) Smith, C.L., Diaz, A., Day, K.L., & **Bell, M.A.** (2016). Infant frontal EEG asymmetry and negative emotional reactivity as predictors of toddlerhood effortful control. *Journal of Experimental Child Psychology, 142*, 262-273.
- 71) Trubanova, A., Kim, I., Coffman, M. C., Bell, M. A., Richey, J. A., LaConte, S. M., Gracani, D., & White, S. W. (2016). The role of perspective-taking on ability to recognize fear. *Current Research in Psychology, 6*, 22-30.
- 70) Wang, Z., Deater-Deckard, K., & **Bell, M.A.** (2016). The role of negative affect and physiological regulation in maternal attribution. *Parenting: Science and Practice, 16*, 206-218.
- 69) Whedon, M., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2016). Changes in frontal EEG coherence across infancy predict cognitive abilities at age 3: The mediating role of attentional control. *Developmental Psychology, 52*, 1341-1352.
- 68) Blankenship, T.L., & **Bell, M.A.** (2015). Frontotemporal coherence and executive functions contribute to episodic memory during middle childhood. *Developmental Neuropsychology, 40*, 430-444.
- 67) Blankenship, T.L., O'Neill, M., Ross, A., & **Bell, M.A.** (2015). Working memory and recollection contribute to academic achievement. *Learning and Individual Differences, 43*, 164-169.
- 66) Chen, N., **Bell, M.A.**, & Deater-Deckard, K. (2015). Maternal frontal EEG asymmetry and chronic stressors moderate the link between child behavior problems and maternal negativity. *Social Development, 24*, 323-340.
- 65) Cuevas, K., Rajan, V., Morasch, K.D., & **Bell, M.A.** (2015). Episodic memory and future thinking during early childhood: Linking the past and future. *Developmental Psychobiology, 57*, 552-565.
- 64) Lukowski, A.F., & **Bell, M.A.** (2015). On sleep and development: Recent advances and future directions. In M. El-Sheikh (Ed.), *Sleep and development: Advancing theory and research. Monographs of the Society for Research in Child Development, 80(1)*, 182-195.
- 63) Patriquin, M., Lorenzi, J., Scarpa, A., Calkins, S., & **Bell, M.A.** (2015). Broad implications for respiratory sinus arrhythmia development: Associations with childhood symptoms of

- psychopathology in a community sample. *Developmental Psychobiology*, 57, 120-130.
- 62) Rajan, V., & **Bell, M.A.** (2015). Developmental changes in fact and source recall: Contributions from executive function and brain electrical activity. *Developmental Cognitive Neuroscience*, 12, 1-11.
- 61) Spangler, D.P., **Bell, M.A.**, & Deater-Deckard, K. (2015). Emotion suppression moderates the quadratic association between RSA and executive function. *Psychophysiology*, 52, 1175-1185.
- 60) White, S. W., Richey, J. A., Gračanin, D., **Bell, M. A.**, LaConte, S., Coffman, M., Trubanova, A., & Kim, I. (2015). The promise of neurotechnology in clinical translational science. *Clinical Psychological Science*, 3, 797-815.
- 59) Atzaba-Poria, N., Deater-Deckard, K., & **Bell, M.A.** (2014). It takes more than one for parenting: How do maternal temperament and child's conduct problems relate to maternal parenting behavior? *Personality and Individual Differences*, 69, 81-86.
- 58) Chen, N., Deater-Deckard, K., & **Bell, M.A.** (2014). The role of temperament by family environment interactions in child maladjustment. *Journal of Abnormal Child Psychology*, 42, 1251-1262.
- 57) Corbetta, D., Friedman, D.R., & **Bell, M.A.** (2014). Brain reorganization as a function of walking experience in 12-month-old infants: Implications for the development of manual laterality. *Frontiers in Psychology / Cognition*, 5, article 245.
- 56) Cuevas, K., & **Bell, M.A.** (2014). Infant attention and early childhood executive function. *Child Development*, 85, 397-404.
- 55) Cuevas, K., Deater-Deckard, K., Kim-Spoon, J., Wang, Z., Morasch, K.C., & **Bell, M.A.** (2014). A longitudinal intergenerational analysis of executive functions during early childhood. *British Journal of Developmental Psychology*, 32, 50-64.
- 54) Cuevas, K., Deater-Deckard, K., Kim-Spoon, J., Watson, A.J., Morasch, K.C., & **Bell, M.A.** (2014). What's mom got to do with it? Contributions of maternal executive function and caregiving to the development of executive function across early childhood. *Developmental Science*, 17, 224-238.
- 53) Gartstein, M.A., **Bell, M.A.**, & Calkins, S.D. (2014). EEG asymmetry at 10 months of age: Are temperament trait predictors different for boys and girls? *Developmental Psychobiology*, 56, 1327-1340.
- 52) Lusby, C.M., Goodman, S.H., **Bell, M.A.**, & Newport, D.J. (2014). Electroencephalogram patterns in infants of depressed mothers. *Developmental Psychobiology*, 56, 459-473.
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- 50) Rajan, V., Cuevas, K., & **Bell, M.A.** (2014). The contributions of executive function to source memory development in early childhood. *Journal of Cognition and Development*, 15, 304-324.
- 49) Swingler, M.M., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2014). Maternal sensitivity and infant response to frustration: The moderating role of EEG asymmetry. *Infant Behavior & Development*, 37, 523-535.
- 48) Wolfe, C.D., & **Bell, M.A.** (2014). Brain electrical activity of shy and non-shy preschool-aged children during executive function tasks. *Infant and Child Development*, 23, 259-272.
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- 46) Kraybill, J.H., & **Bell, M.A.** (2013). Infancy predictors of preschool and post-kindergarten executive function. *Developmental Psychobiology*, 55, 530-538.
- 45) Salley, B., Miller, A., & **Bell, M.A.** (2013). Associations between temperament and social responsiveness in young children. *Infant and Child Development*, 22, 270-288.
- 44) Wang, Z., Deater-Deckard, K., & **Bell, M.A.** (2013). Household chaos moderates the link between maternal attribution bias and parenting. *Parenting: Science and Practice*, 13, 233-252.



- 43) Watson, A.J., & **Bell, M.A.** (2013). Individual differences in inhibitory control skills at three years of age. *Developmental Neuropsychology*, *38*, 1-21.
- 42) **Bell, M.A.** (2012). A psychobiological perspective on working memory performance at 8 months of age. *Child Development*, *83*, 251-265.
- 41) **Bell, M.A.**, & Cuevas, K. (2012). Using EEG to study cognitive development: Issues and practices. Invited manuscript for "Tools of the Trade" series. *Journal of Cognition and Development*, *13*, 281-294.
- 40) **Bell, M.A.**, & Diaz, A. (2012). EEG/ERP measures of emotion-cognition integration during development. In T.A. Dennis, K.A. Buss, & P.D. Hastings (Eds.), *Physiological measures of emotion from a developmental perspective: State of the science. Monographs of the Society for Research in Child Development*, *77(2)*, 8-16.
- 39) Cuevas, K., **Bell, M.A.**, Marcovitch, S., & Calkins, S.D. (2012). Electroencephalogram and heart rate measures of working memory at 5 and 10 months. *Developmental Psychology*, *48*, 907-917.
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- 35) Cuevas, K., Swingler, M.M., **Bell, M.A.**, Marcovitch, S., & Calkins, S.D. (2012). Measures of frontal functioning and the emergence of inhibitory control processes at 10 months of age. *Developmental Cognitive Neuroscience*, *2*, 235-243.
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- 33) Deater-Deckard, K., Wang, Z., Chen, N., & **Bell, M.A.** (2012). Maternal executive function, harsh parenting, and child conduct problems. *Journal of Child Psychology and Psychiatry*, *53*, 1084-1091.
- 32) Diaz, A., & **Bell, M.A.** (2012). Frontal EEG asymmetry and fear reactivity in different contexts at 10 months. *Developmental Psychobiology*, *54*, 536-545.
- 31) Morasch, K.C., & **Bell, M.A.** (2012). Self-regulation of negative affect at 5 and 10 months. *Developmental Psychobiology*, *54*, 215-221.
- 30) Cuevas, K., & **Bell, M.A.** (2011). EEG and ECG from 5 to 10 months of age: Developmental changes in baseline activation and cognitive processing during a working memory task. *International Journal of Psychophysiology*, *80*, 119-128.
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- 26) Hannesdottir, D.Kr., Doxie, J., **Bell, M.A.**, Ollendick, T., & Wolfe, C. (2010). A longitudinal study of emotion regulation and anxiety in middle childhood: Associations with frontal EEG asymmetry in early childhood. *Developmental Psychobiology*, *52*, 197-204.
- 25) Raj, V., & **Bell, M.A.** (2010). An examination of support processes contributing to episodic memory formation in childhood: The role of source memory, binding, and executive functioning. *Developmental Review*, *30*, 384-402.
- 24) Smith, C.L., & **Bell, M.A.** (2010). Stability in infant frontal asymmetry as a predictor of toddlerhood internalizing and externalizing behaviors. *Developmental Psychobiology*, *52*, 158-167.
- 23) Morasch, K.C., & **Bell, M.A.** (2009). Patterns of frontal and temporal brain electrical activity

- during declarative memory performance in 10-month-old infants. *Brain and Cognition*, 71, 215-222.
- 22) **Bell, M.A.**, & Deater-Deckard, K. (2007). Biological systems and the development of self-regulation: Integrating behavior, genetics, and psychophysiology. *Journal of Developmental & Behavioral Pediatrics*, 28, 409-420.
  - 21) **Bell, M.A.**, & Wolfe, C.D. (2007). Changes in brain functioning from infancy to early childhood: Evidence from EEG power and coherence during working memory tasks. *Developmental Neuropsychology*, 31, 21-38.
  - 20) Wolfe, C.D., & **Bell, M.A.** (2007). Sources of variability in working memory in early childhood: A consideration of age, temperament, language, and brain electrical activity. *Cognitive Development*, 22, 431-455.
  - 19) Wolfe, C.D., & **Bell, M.A.** (2007). The integration of cognition and emotion during infancy and early childhood: Regulatory processes associated with the development of working memory. *Brain and Cognition*, 65, 3-13.
  - 18) Kim, K.J., & **Bell, M.A.** (2006). Frontal EEG asymmetry and regulation during childhood. *Annals of the New York Academy of Sciences*, 1094, 308-312.
  - 17) **Bell, M.A.**, & Wolfe, C.D. (2004). Emotion and cognition: An intricately bound developmental process. *Child Development*, 75, 366-370.
  - 16) Wolfe, C.D., & **Bell, M.A.** (2004). Working memory and inhibitory control in early childhood: Contributions from electrophysiology, temperament, and language. *Developmental Psychobiology*, 44, 68-83.
  - 15) **Bell, M.A.**, & Fox, N.A. (2003). Cognition and affective style: Individual differences in brain electrical activity during spatial and verbal tasks. *Brain and Cognition*, 53, 441-451.
  - 14) Roberts, J.E., & **Bell, M.A.** (2003). 2- and 3-dimensional mental rotation tasks lead to different parietal laterality for men and women. *International Journal of Psychophysiology*, 50, 235-246.
  - 13) **Bell, M.A.** (2002). Power changes in infant EEG frequency bands during a spatial working memory task. *Psychophysiology*, 39, 450-458.
  - 12) Roberts, J.E., & **Bell, M.A.** (2002). The effects of age and sex on mental rotation performance, verbal performance, and brain electrical activity. *Developmental Psychobiology*, 40, 391-407.
  - 11) **Bell, M.A.** (2001). Brain electrical activity associated with cognitive processing during a looking version of the A-not-B task. *Infancy*, 2, 311-330.
  - 10) Roberts, J.E., & **Bell, M.A.** (2000). Sex differences on a computerized mental rotation task disappear with computer familiarization. *Perceptual and Motor Skills*, 91, 1027-1034.
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  - 7) **Bell, M.A.**, & Fox, N.A. (1997). Individual differences in object permanence performance at 8 months: Locomotor experience and brain electrical activity. *Developmental Psychobiology*, 31, 287-297.
  - 6) West, R.W., & **Bell, M.A.** (1997). Stroop color-word interference and electroencephalogram activation: Evidence for age-related decline of the anterior attention system. *Neuropsychology*, 11, 421-427.
  - 5) **Bell, M.A.**, & Fox, N.A. (1996). Crawling experience is related to changes in cortical organization during infancy: Evidence from EEG coherence. *Developmental Psychobiology*, 29, 551-561.
  - 4) Fox, N.A., Calkins, S.D., & **Bell, M.A.** (1994). Neural plasticity and development in the first two years of life: Evidence from cognitive and socio-emotional domains of research. *Development and Psychopathology*, 6, 677-698.
  - 3) **Bell, M.A.**, & Fox, N.A. (1992). The relations between frontal brain electrical activity and cognitive development during infancy. *Child Development*, 63, 1142-1163.

- 2) Fox, N.A., **Bell, M.A.**, & Jones, N.A. (1992). Individual differences in response to stress and cerebral asymmetry. *Developmental Neuropsychology*, 8, 161-184.
- 1) Fox, N.A., & **Bell, M.A.** (1990). Electrophysiological indices of frontal lobe development: Relations to cognitive and affective behavior in human infants over the first year of life. *Annals of the New York Academy of Sciences*, 608, 677-698.

#### **Non-Peer-Reviewed Journal Articles:**

- 5) Wolfe, C.D., & **Bell, M.A.** (2023). The interplay between cognition and emotion during infancy and toddlerhood: Special issue editorial. *Infant Behavior and Development*, 72, e101845.
- 4) Twardosz, S., & **Bell, M.A.** (2012). Introduction to special issue on neuroscience perspectives on early education and development. *Early Education and Development*, 23, 1-3.
- 3) **Bell, M.A.** (2011). Introduction to target article. *Infancy*, 16, 1.
- 2) **Bell, M.A.** (2009). Editorial. *Infancy*, 14, 1.
- 1) Roberts, J.E., & **Bell, M.A.** (2005). Letter to the editor: Reply to Bauer (2005) commentary on Roberts & Bell (2003). *International Journal of Psychophysiology*, 57, 153.

#### **Edited Books:**

- 2) **Bell, M.A.** (Ed.), (in press). *Child development at the intersection of emotion and cognition (2<sup>nd</sup> ed)*. Washington, DC: American Psychological Association.
- 1) Calkins, S.D., & **Bell, M.A.** (Eds.), (2010). *Child development at the intersection of emotion and cognition*. Washington, DC: American Psychological Association.

#### **Edited Book Series:**

- Bell, M.A.**, & Deater-Deckard, K. (Series Eds.), *Frontiers of Developmental Science*. New York: Routledge Press.

#### Volumes published:

- [Sommerville & Decety (2017) – *Social Cognition: Development across the Life Span*  
 Wiebe & Karbach (2017) – *Executive Function: Development across the Life Span*  
 Cole & Hollenstein (2018) – *Emotion Regulation: A Matter of Time*  
 Corbetta & Santello (2018) – *Reach-to-Grasp Behavior: Brain, Behavior, and Modelling across the Life Span*  
 Thomas, Mareschal, & Dumontheil (2020) – *Educational Neuroscience: Development across the Life Span*

#### **Invited Chapters in Edited Volumes:**

- 29) Cuevas, K., & **Bell, M.A.** (2022). EEG frequency development across infancy and childhood. In P. Gable, M. Miller, & E. Bernat (Eds.), *Oxford handbook of human EEG frequency* (pp. 293-323). Oxford University Press.
- 28) **Bell, M.A.**, Phillips, J.J., & Bruce, M.D. (2022). Infant and toddler working memory. In M.L. Courage & N. Cowan (Eds.), *The development of memory in infancy and childhood, 3<sup>rd</sup> ed* (pp. 87 – 110). New York: Routledge Press.
- 27) **Bell, M.A.** (2020). Mother-child behavioral and physiological synchrony. In J. Benson (Ed.), *Advances in child development and behavior, Vol 58* (pp. 163-188). Oxford, UK: Elsevier.
- 26) **Bell, M.A.**, & Garcia Meza, T. (2020). Executive function. In J.B. Benson (Ed.), *Encyclopedia of infant and early childhood development, 2<sup>nd</sup> ed (Vol 1, pp. 568-574)*. Oxford, UK: Elsevier.
- 25) \***Bell, M.A.**, \*Wolfe, C.D., Diaz, A., & Liu, R. (2019). Cognition-emotion interactions. In V. LoBue, K. Perez-Edgar, & K. Buss (Eds.), *Handbook of emotional development* (pp. 375-403). New York: Springer. [\*co-first authorship]

- 24) **Bell, M.A.**, Blankenship, T.L., Broomell, A.P.R., & Patton, L.K. (2018). Brain development. In M. Bornstein (Ed.), *The SAGE encyclopedia of lifespan human development*. Thousand Oaks, CA: SAGE Publications. <http://dx.doi.org/10.4135/9781506307633.n108>
- 23) **Bell, M.A.**, Broomell, A.P.R., & Patton, L.K. (2018). Emotion regulation. In M. Bornstein (Ed.), *The SAGE encyclopedia of lifespan human development* (pp. 732-734). Thousand Oaks, CA: SAGE Publications. <http://dx.doi.org/10.4135/9781506307633.n274>
- 22) Blankenship, T.L. & **Bell, M.A.** (2018). Academic achievement. In M. Bornstein (Ed.), *The SAGE encyclopedia of lifespan human development*. Thousand Oaks, CA: SAGE Publications. <http://dx.doi.org/10.4135/9781506307633.n9>
- 21) Broomell, A.P.R., & **Bell, M.A.** (2018). Inhibition. In M. Bornstein (Ed.), *The SAGE encyclopedia of lifespan human development*. Thousand Oaks, CA: SAGE Publications. <http://dx.doi.org/10.4135/9781506307633.n434>
- 20) Norton, A., & **Bell, M.A.** (2017). Mathematics educational neuroscience: Promises and challenges. In J. Cai (Ed.), *Compendium for research in mathematics education* (pp. 879-892). Reston, VA: National Council of Teachers of Mathematics.
- 19) **Bell, M.A.** & Cuevas, K. (2016). Psychobiology of executive function in early development. In J.A. Griffin, P. McCardle, & L.S. Freund (Eds.), *Executive function in preschool age children: Integrating measurement, neurodevelopment and translational research* (pp. 157-179). Washington, DC: American Psychological Association.
- 18) **Bell, M.A.** (2015). Bringing the field of infant cognition and perception toward a biopsychosocial perspective. In S.D. Calkins (Ed.), *Handbook of infant development: A biopsychosocial approach* (pp. 27-37). New York: Guilford Press.
- 17) **Bell, M.A.**, Kraybill, J. H., & Diaz, A. (2014). Reactivity, regulation, and remembering: Associations between temperament and memory. In P.J. Bauer & R. Fivush (Eds.), *Handbook on the development of children's memory, Vol 2.* (pp. 671-687). Malden, MA: Wiley-Blackwell.
- 16) Morasch, K.C., Raj, V., & **Bell, M.A.** (2013). The development of cognitive control from infancy through childhood. In D. Reisberg (Ed.), *Oxford handbook of cognitive psychology* (pp. 989-999). New York: Oxford University Press.
- 15) **Bell, M.A.**, & Calkins, S.D., (2012). Attentional control and emotion regulation in early development. In M.I. Posner (Ed.), *Cognitive neuroscience of attention, 2<sup>nd</sup> ed.* (pp. 322-330). New York: Guilford Press.
- 14) **Bell, M.A.** & Calkins, S.D., (2010). Integrating emotion and cognition in developmental research. In S.D. Calkins & M.A. Bell (Eds.), *Child development at the Intersection of emotion and cognition* (pp. 247-251). Washington, DC: American Psychological Association.
- 13) **Bell, M.A.**, Greene, D.R., & Wolfe, C.D. (2010). Psychobiological mechanisms of cognition-emotion integration in early development. In S.D. Calkins & M.A. Bell (Eds.), *Child development at the intersection of emotion and cognition* (pp. 115-132). Washington, DC: American Psychological Association.
- 12) Calkins, S.D., & **Bell, M.A.** (2010). Putting the domains of development into perspective. In S.D. Calkins & M.A. Bell (Eds.), *Child development at the intersection of emotion and cognition* (pp. 3-13). Washington, DC: American Psychological Association.
- 11) **Bell, M.A.**, & Wolfe, C.D. (2008). The use of the electroencephalogram in research on cognitive development. In L.A. Schmidt & S.J. Segalowitz (Eds.), *Developmental psychophysiology: Theory, systems, and methods* (pp. 150-170). New York: Cambridge University Press
- 10) **Bell, M.A.**, & Morasch, K.C. (2007). Individual differences in the development of working memory during infancy and early childhood. In L.M. Oakes & P.J. Bauer (Eds.), *Short- and long-term memory in early childhood: Taking the first steps toward remembering* (pp. 27-50). New York: Oxford.
- 9) **Bell, M.A.**, & Wolfe, C.D. (2007). The cognitive neuroscience of early socioemotional development. In C.A. Brownell & C.B. Kopp (Eds.), *Socioemotional development in the toddler years* (pp. 345-369). New York: Guilford.

- 8) **Bell, M.A.**, Wolfe, C.D., & **Adkins**, D.R. (2007). Frontal lobe development during infancy and childhood. In D. Coch, G. Dawson, & K.W. Fischer (Eds.), *Human behavior, learning, and the developing brain: Typical development* (pp. 247-276). New York: Guilford.
- 7) Carver, L.J., & **Bell, M.A.** (2006). Clinical electrophysiology of the developing human brain. In C.D. Coffey, R.A. Brumback, D.R. Rosenberg, & K.K.S. Voeller (Eds.), *Pediatric neuropsychiatry* (pp. 135-148). Baltimore: Lippincott, Williams, & Wilkins.
- 6) **Bell, M.A.** (2000). Brain development. In L. Balter (Ed.), *Parenthood in America: An encyclopedia* (pp. 10-18). Denver: ABC-CLIO.
- 5) **Bell, M.A.** (1998). Frontal lobe function during infancy: Implications for the development of cognition and attention. In J.E. Richards (Ed.), *Cognitive neuroscience of attention: A developmental perspective* (pp. 287-316). Mahwah, NJ: Erlbaum.
- 4) **Bell, M.A.** (1998). The ontogeny of the EEG during infancy and childhood: Implications for cognitive development. In B. Barreau (Ed.), *Neuroimaging in child neuropsychiatric disorders* (pp. 97-111). Berlin: Springer-Verlag.
- 3) Schmauder, A.R., & **Bell, M.A.** (1995). EEG, brain, and language in development: A case study. In D. MacLaughlin & S. McEwen (Eds.), *Proceedings of the 19<sup>th</sup> annual Boston University Conference on Language Development* (pp. 533-542). Somerville, MA: Cascadilla Press.
- 2) **Bell, M.A.**, & Fox, N.A. (1994). Brain development over the first year of life: Relations between EEG frequency and coherence and cognitive and affective behaviors. In G. Dawson & K. Fischer Eds.), *Human behavior and the developing brain* (pp. 314-345). New York: Guilford.
- 1) Fox, N.A., & **Bell, M.A.** (1993). Frontal function in cognitive and emotional behaviors during infancy: Effects of maturation and experience. In B. de Boysson-Bardies et al (Eds.), *Developmental neurocognition: Speech and face processing in the first year of life* (pp. 199-210). Dordrecht, The Netherlands: Kluwer.

#### **Current External Grants:**

U01 DA055357, NIH/NIDA (7/20/22 – 6/30/26)

\$3,066,407 direct costs

Howell, B.R. (MPI), **Bell, M.A. (MPI)**, & Hosig, K.W. (MPI). *22/24 Healthy Brain and Child Development National Consortium.*

R01 HD104945, NIH/NICHHD (7/1/22 – 4/30/27)

\$2,472,850 direct costs

**Bell, M.A. (MPI)** & Cuevas, K. (MPI). *An integrative longitudinal analysis of neural rhythms in early development*

R01 MH125800, NIH/NIMH (2/1/22 – 12/31/26)

\$2,497,600 direct costs

Gartstein, M.A. (MPI), **Bell, M.A. (MPI)**, & Jones, N.A. (MPI). *Precursors of anxiety: The role of lateralized brain activation and maternal sensitivity.*

NSF 2016919, BSE/DS (9/15/20 – 8/31/24, NCE)

\$233,389 direct costs, Virginia Tech only

**Bell, M.A. (PI)** *Collaborative Research: Examining behavioral and neurophysiological precursors of effortful control.* (collaborative site is Washington State University, Gartstein, M.A., PI)

R01 HD097131, NIH/NICHHD (3/1/19 – 2/28/24, NCE)

\$1,286,619 direct costs

Dunsmore, J. (PI), **Bell, M.A. (Co-I)**, & Kim-Spoon, J. (Co-I). *Child temperament as a moderator of maternal emotion coaching: Implications for pathways leading to behavior problems.*

**Completed External Grants:**

R21 HD097942, NIH/NICHHD (2/1/19- 1/31/22, NCE)

\$275,000 direct costs

**Bell, M.A. (MPI)** & Diana, R.A. (MPI). *Brain activity during infant inhibitory control.*

R03 HD091644, NIH/NICHHD (3/1/17 – 2/28/20, NCE)

\$100,000 direct costs

**Bell, M.A. (PI)**. *Development of inhibitory control during infancy.*

2R01 HD049878, NIH/NICHHD (3/1/13 – 2/28/19, NCE)

\$2,212,677 direct costs

**Bell, M.A. (PI)**, Smith, C.L. (Co-I), Kim-Spoon, J. (Co-I), Deater-Deckard, K. (Co-I), Calkins, S.D. (Co-I), & Swingler, M.S. (Co-I). *Psychobiology of cognitive development.*

R21/R33 MH100268, NIH/NIMH (3/1/13 – 2/28/19, NCE)

\$849,999 direct costs

White, S.W. (PI), Richey, J. (Co-I), LaConte, S. (Co-I), **Bell, M.A. (Co-I)**, Gracanin, D. (Co-I), & Kim, I. (Co-I). *Development of a novel neurotechnology to promote emotion recognition in autism.*

R01 HD049878S1, NIH/NICHHD (6/13/11 – 8/12/11)

\$4,346 direct costs

**Bell, M.A. (PI)** & Rahman, A.S. (recipient). *Psychobiology of cognitive development – Diversity Supplement.*

R03 HD057319, NIH/NICHHD (9/1/09 – 8/31/12, NCE)

\$100,000 direct costs

**Bell, M.A. (PI)**, Deater-Deckard, K. (Co-I), & Kim, J. (Co-I). *Attention and memory: Mother-child psychophysiology and behavior.*

R21 HD060110, NIH/NICHHD (8/1/09 – 7/31/12, NCE)

\$275,000 direct costs

Deater-Deckard, K. (PI) & **Bell, M.A. (Co-I)**. *Maternal self-regulation and harsh parenting: Integrating cognition, emotion, and psychophysiology.*

R01 HD049878, NIH/NICHHD (4/1/07 – 2/28/13 NCE)

\$1,732,572 direct costs

**Bell, M.A. (PI)**, Calkins, S.D. (Co-I), & Marcovitch, S. (Co-I). *Psychobiology of cognitive development.*

R03 HD043057, NIH/NICHHD (7/1/03 – 6/30/06, NCE)

\$100,000 direct costs

**Bell, M.A. (PI)**. *Infant temperament and cognitive development.*

**Current Internal Grants:**

n/a

**Completed Internal Grants:**

Basso, J. (PI), **Bell, M.A. (Co-I)**, Rugh, R. (Co-I), & Russon, J. (Co-I). (6/1/22 – 6/15/23).

*Decreasing intergenerational trauma through dance: A program for mothers with PTSD and their children.*

Virginia Tech Institute for Society, Environment and Culture Scholars Program

\$30,000

Basso, J. (PI), & **Bell, M.A. (Mentor)**. (7/1/21 – 6/30/23). *Examining the clinical utility of dance to support social skills and behavioral and neural synchrony in individuals with autism spectrum*

- disorder.*  
iTHRIV Scholars Program  
\$390,810
- Bell, M.A. (PI)**, & Diana, R.A. (Co-PI). (12/22/21 – 6/30/22). *High density EEG system for localizing brain function in infants and children.*  
Virginia Tech College of Science Research Equipment Solicitation  
\$39,165
- Norton, A. (PI), **Bell, M.A. (Co-I)**, Ulrich, C. (Co-I). (1/1/19 – 6/30/19). *Coherence in Mathematical Development (CMD).*  
Virginia Tech Adaptive Brain and Behavior Grant Award  
\$24,700
- Bell, M.A. (PI)**, Ashley, R.A. (Co-I), Scarpa, A. (Co-I), Smith, C.L., (Co-I), & Dunsmore, J.C. (Co-I). (7/1/17 – 6/30/18). *Parent-child behavioral and physiological synchrony: Foundation for children's developing self-regulation.*  
Virginia Tech Institute for Society, Environment and Culture Scholars Program Award  
\$30,000
- Salado, A. (PI), Kelliher, A. (Co-I), Norton, A. (Co-I), **Bell, M.A. (Co-I)**, & Nino, M. (Co-I) (10/1/17 – 6/15/18). *Developing a digital game prototype to support systems thinking education in K-12 and initial data collection and analysis.*  
Virginia Tech Institute for Critical Technology and Applied Science REU Award.
- White, S.W. (PI), Gracanin, D. (Co-I), Richey, J. (Co-I), **Bell, M.A. (Co-I)**, LeConte, S., (Co-I), & Kim, I. (Co-I). (1/1/17 – 6/15/17). *Development of a novel neurotechnology to promote emotion recognition in anxiety.*  
Virginia Tech Institute for Society, Environment and Culture Scholars Program Award  
\$30,000
- Dunsmore, J. (PI) & **Bell, M.A. (Co-I)**. (5/1/16 – 8/15-16). *Child temperament as a moderator of maternal emotion coaching: Implications for pathways leading to behavior problems.*  
Virginia Tech Institute for Society, Environment and Culture Summer Scholars Award  
\$20,000
- Scarpa, A.S. (PI), **Bell, M.A. (Co-I)**, Dunsmore, J. (Co-I), Ashley, R. (Co-I), & Waldron, J. (Co-I). (5/1/15 – 8/15/15). *Physiological linkage: A new construct for studying social reciprocity in autism.*  
Virginia Tech Institute for Society, Environment, and Culture Summer Scholars Award  
\$30,000
- Duncan, S. (PI), Sheetz, S. (Co-I), Gallagher, D. (Co-I), & **Bell, M.A. (Co-I)**. (7/1/13 – 6/30/14). *Integrating data for emotional assessment: Applications for interpersonal deception and food interaction decisions.*  
Virginia Tech Institute for Creativity, Arts, and Technology Scholars Award  
\$25,000
- Cate, A. (PI), Norton, A., (Co-I), **Bell, M.A. (Co-I)**, & Ulrich, C., (Co-I). (5/1/13 – 8/15/13). *Validating Mathematical Ways of Operating with Neural Correlates (Math WONC).*  
Virginia Tech Institute for Society, Environment, and Culture Summer Scholars Award  
\$19,000
- Bell, M.A. (PI)** (9/1/12 – 8/31/13). *Senior Faculty Fellowship.*  
Virginia Tech Institute for Society, Environment and Culture Senior Research Award  
\$25,000
- Sheetz, S. (PI) & **Bell, M.A. (Co-I)**. (2/1/12 – 8/12/12). *Understanding communication skills of student auditors using EEG.*  
Virginia Tech Institute for Society, Culture and Environment Research Award.
- Bell, M.A. (PI)**. (4/24/00 – 4/23/01). *Equipment for the Developmental Cognitive Neuroscience Lab.*  
Virginia Tech College of Arts & Sciences - Millennium Grant Award  
\$3,960
- Bell, M.A. (PI)**. (4/1/97 – 3/31/98). *The effects of temperament on cognitive behaviors during*

*infancy.*

Virginia Tech College of Arts & Sciences – Creative Match Award

\$5,120

**Bell, M.A. (PI).** (11/1/96 – 10/30/98). *The effects of temperament on cognitive behaviors during infancy.*

Virginia Tech College of Arts & Sciences – Small Grant Award

\$2,785

**Bell, M.A. (PI).** (5/15/95 – 5/14/96). *Infant cognition: Brain-behavior relations during object permanence performance.*

University of South Carolina Office of the Vice President for Research – Research and Productive Scholar Award

\$2,958

### **Invited Keynotes, Lectures, Symposia, and Workshop Presentations**

#### **(only non-Virginia Tech are listed):**

- 55) Arizona State University, Nancy Eisenberg Distinguished Speaker Series (Nov 2024)
- 54) Bar-Ilan University (Israel), Minerva Symposium on Interactive brains: From methods to applications (March 2023)
- 53) Iran University of Medical Sciences, Sadra Neuroscience Association seminar series (April 2022, virtual)
- 52) Heidelberg University (Germany), Keynote address at Psychology Student Research Congress (Oct 2021, virtual)
- 51) Florida Atlantic University, Neurosciences Seminar Series (Sept 2021, virtual)
- 50) University of Chieti-Pescara (Italy), Department of Neurosciences (June 2021, virtual)
- 49) University of Tennessee, NBCD Psychology Brown Bag (March 2020)
- 48) University of Florida, Goldman Speaker in Developmental Science, Dept of Psychology (Nov 2019)
- 47) Senior Investigator Award Address, annual meeting of the International Society for Developmental Psychobiology (Oct 2019)
- 46) Heidelberg University (Germany), Infant Executive Function Workshop (July 2019)
- 45) University of Connecticut, Developmental Psychology Brownbag (April 2019)
- 44) University of Massachusetts at Amherst, Developmental Psychology Colloquium (April 2019)
- 43) George Mason University, Applied Developmental Psychology Colloquium Series (Feb 2019)
- 42) University of Virginia, Developmental Psychology Program (Dec 2018)
- 41) Washington State University, ADVANCE Colloquium (Oct 2018)
- 40) NIH / NICHD, Children and Media Workshop (Jan 2018)
- 39) Occasional Temperament Conference, organizer and presenter at invited symposium on Neurological Basis of Temperament (Oct 2016)
- 38) Meade Johnson Pediatric Nutrition Institute, Neurobehavioral Assessment in Toddlers (June 2015)
- 37) Bowdoin College, Faculty Teleconference Workshop (May 2015)
- 36) Washington State University, Dept of Psychology, Keynote Address at Undergraduate Research Symposium (April 2015)
- 35) International Perinatal Brain and Behavior Network Conference (Nov 2014)
- 34) East Tennessee State University, Dept of Psychology, Graduate Student Workshop (Oct 2014)
- 33) NIH / Office of Dietary Supplements, Maternal Iodine Supplementation Workshop (Sept 2014)
- 32) Yale University, Child Study Center, Autism Science Group (Feb 2014)
- 31) Indiana University, Developmental Psychology Program (Dec 2012)
- 30) Washington State University, Dept of Psychology (Oct 2012)
- 29) Coastal Carolina University, College of Science (Sept 2012)
- 28) Miami University, Dept of Psychology (Apr 2012)
- 27) George Mason University, Applied Developmental Psychology Program (Feb 2012)
- 26) University of Virginia, Developmental Psychology Program (Oct 2011)



- 25) NIH / NICHD, Executive Functions in Preschool Children Workshop (June 2010)
- 24) Jean Piaget Society (St Louis), presenter at invited symposium on Working Memory and Emotion (June 2010)
- 23) Haifa University (Israel), conference on Emerging Locomotion Skills, Emotional Regulation, and the Tasks of the Sleeping Infant (May 2010)
- 22) International Conference on Infant Studies (Baltimore), presenter at invited symposium on Psychobiological Models of Early Regulatory Development (Mar 2010)
- 21) Center for Developmental Science (Chapel Hill), Consortium on Human Development (Apr 2009)
- 20) Heidelberg University (Germany), Developmental Psychology Spring School (Mar 2009)
- 19) University of Chicago, Developmental Psychology Program (Feb 2009)
- 18) George Mason University, Applied Developmental Psychology Program (Sept 2008)
- 17) Carilion Health Systems (Roanoke, VA), Grand Rounds (Aug 2008)
- 16) Emory Medical Center, Maternal Depression Working Group (Jan 2008)
- 15) Armstrong Atlantic State University, Department of Psychology (Oct 2007)
- 14) University of Virginia, Developmental Psychology Program (Mar 2007)
- 13) University of Tennessee, Department of Psychology (Nov 2006)
- 12) Center for Developmental Science (University of North Carolina at Chapel Hill), Consortium on Human Development (Nov 2005)
- 11) Society for Research in Child Development (Atlanta), part of invited symposium on Emotion Regulation: The Next Generation (Apr 2005)
- 10) Brown University, Developmental Cognitive Neuroscience Invited Conference (May 2002)
- 9) Center for Developmental Science (University of North Carolina at Chapel Hill), Consortium on Human Development (Apr 2002)
- 8) Developmental Neuropsychology Interest Group, pre-SRCD Minneapolis meeting – EEG tutorial (Apr 2001)
- 7) Developmental Neuropsychology Interest Group, pre-SRCD Minneapolis meeting – infant spatial working memory (Apr 2-001)
- 6) George Mason University, Psychology Honors Colloquium (Mar 2000)
- 5) University of North Carolina at Greensboro, Developmental Psychology Program (Mar 2000)
- 4) Center for Developmental Science, Infancy Core meeting, University of North Carolina at Greensboro (June 1999)
- 3) Virginia Tech, Department of Psychology (Feb 1996)
- 2) University of South Carolina, conference on Cognitive Neuroscience of Attention (May 1995)
- 1) University of South Carolina, Dept of Psychology (Nov 1992)

### **Symposia Papers & Session Papers at Scientific Meetings:**

#### **ICIS 2024**

- 69) **Bell, M.A.**, & Patton, L.A. (2024, July). Infancy predictors of toddler inhibitory control. In J. Spencer (Chair), Can we predict childhood executive function from measures in infancy? Symposium paper at International Congress of Infant Studies, Glasgow, Scotland.
- 68) **Phillips, J.J.**, & **Bell, M.A.** (2024, July). Baby biology, toddler temperament, and child inhibitory control: Direct and indirect associations. Paper presented at the International Congress of Infant Studies, Glasgow, Scotland.

#### **OTC 2023**

- 67) **Phillips, J.J.**, & **Ermanni, B.**, & **Bell, M.A.** (2023, October). Temperamental triggers and parenting practices: Longitudinal associations with early childhood externalizing behaviors. In E. Leerkes (Chair), Social relationships, parenting, and temperament. Symposium paper at Occasional Temperament Conference, Orford Quebec.

#### **SRCD 2023**

- 66) **Bell, M.A.** (2023, March). Discussion of advances in assessing development of emotion regulation. In S. Perone (Chair), Conceptual and methodological advances in emotion regulation development. Symposium paper at Society for Research in Child Development, Salt Lake City.

- 65) Dunsmore, J.C., Zhu, D., Lozada, F.T., & **Bell, M.A.** (2023, March). Maternal emotion socialization and child regulation: Within-interaction sequences in early childhood. In J. Kärtner & L. Lüken (Chairs), Emotion regulation between 2 and 6 years – Behavioral dynamics and developmental correlates. Symposium paper at Society for Research in Child Development, Salt Lake City.
- 64) Garcia, A.C., Zhu, D., **Bell, M.A.** & Dunsmore, J.C. (2023, March). Maternal emotion coaching and children's academic skills during middle childhood. In Westrupp, E. (Chair), Pregnancy and childhood determinants of parent emotion socialization and child outcomes. Symposium paper at Society for Research in Child Development, Salt Lake City.
- 63) Hong, Y., Bertrand, C., Deater-Deckard, K., Smith, C., & **Bell, M.A.** (2023, March). Developmental patterns of executive function similarity between mother and child. In J. Feldman (Chair), Exploring associations between parent and child executive function across childhood: Mechanisms, moderators, and main effect. Symposium paper at Society for Research in Child Development, Salt Lake City.

### **ICIS 2022**

- 62) Broomell, A.P.R., Foss, M., Berkwitz, M., & **Bell, M.A.** (2022, July). Neural and behavioral predictors of twelve-month joint attention. In L. Bowman (Chair), Building infant social competence: Combined influences of caregiving, infant cognition, and infant brain development. Symposium paper at the International Congress of Infant studies, Ottawa.

### **SRCD 2021**

- 61) **Bell, M.A.**, Patton, L., Liu, R., Garcia Meza, T., & Bruce, M. (2021, April). Development of inhibitory control across the second year. In **M.A. Bell** (Chair), The development of executive functions in early toddlerhood. Symposium paper at the Society for Research in Child Development [virtual conference due to COVID-19].
- 60) **Bell, M.A.** (2021, April). Discussion of emotion regulation from infancy to middle childhood. In A. Anderson (Chair), A multimethod symposium on emotion regulation from infancy to middle childhood. Symposium paper at the Society for Research in Child Development [virtual conference due to COVID-19].
- 59) Broomell, A.P.R., Andre, N., & **Bell, M.A.** (2021, April). Six-month executive function predicts joint attention across the first year. In A. Broomell (Chair), Social development in infancy: Neural, behavioral, and cognitive influences across the first year of life. Symposium paper at the Society for Research in Child Development [virtual conference due to COVID-19].
- 58) Garcia Meza, T., & **Bell, M.A.** (2021, April). Maternal reactions to adolescent's negative emotions moderate the association between maternal and adolescent cognitive reappraisal. In T. Garcia Meza (Chair), Examining cognitive reappraisal in development: The role of parents. Symposium paper at the Society for Research in Child Development [virtual conference due to COVID-19].
- 57) Liu, R., Phillips, J., & **Bell, M.A.** (2021, April). Maternal intrusiveness, frontal EEG asymmetry, and the trajectories of shyness and anger/frustration across childhood. In R. Liu (Chair), The multilevel factors influencing the development of temperament. Symposium paper at the Society for Research in Child Development [virtual conference due to COVID-19].

### **ISDP 2020**

- 56) **Bell, M.A.**, & Cuevas, K. (2020, October). Mentoring interview for Rovee-Collier Mentor Award. Awards Session, International Society for Developmental Psychobiology [virtual conference due to COVID-19].

### **ICIS 2020**

- 55) **Bell, M.A.** (2020, July). Predictors of level of negative affect after arm restraint at 5 months. In M. Gartstein (Chair), Novel approaches to electroencephalogram (EEG) lateralization: Beyond traditional asymmetry. Symposium paper at International Congress of Infant Studies, [virtual conference due to COVID-19].
- 54) **Bell, M.A.**, Patton, L.A., & Holmboe, K. (2020, July). Monthly development of cognitive and attention inhibition in the first year. In A. Hendry (Chair), Individual differences in attentional control and executive functions in the first two years of life. Symposium paper at the International Congress of Infant Studies [virtual conference due to COVID-19].

**ISDP 2019**

53) Liu, R., & **Bell, M.A.** (2019, October). Frontal EEG asymmetry moderates the associations between negative temperament and behavioral problems during middle childhood. Paper presented at the International Society for Developmental Psychobiology, Chicago.

**SRCD 2019**

52) **Bell, M.A.**, Deater-Deckard, K., Ashely, R., & Zou, Y. (2019, March). Brain development in early self-regulation. In N. Jones (Chair), The unfolding of brain and behavior within affective and social development. Symposium paper at the Society for Research in Child Development, Baltimore.

51) Broomell, A.P.R., & **Bell, M.A.** (2019, March). Infant neural and behavioral predictors of preschool executive function. In F. Morrison (Chair), An integrative approach to understanding executive function development young children. Symposium paper at the Society for Research in Child Development, Baltimore.

50) Garcia Meza, T., & **Bell, M.A.** (2019, March). Infant EEG contributes to toddler executive function through infant attention but not infant temperament. In P. Marshall (Chair), Advances in developmental cognitive neuroscience of executive function. Symposium paper at the Society for Research in Child Development, Baltimore.

49) Liu, R., & **Bell, M.A.** (2019, March). State frontal EEG asymmetry moderates the association between maternal distress responses and child externalizing problems. In L. MacNeill & X. Fu (Chairs), Using a social-interactive neuroscience approach to studying cognitive processes underlying risk for developmental psychopathology. Symposium paper at the Society for Research in Child Development, Baltimore.

**EPA 2019**

48) Rajan, V., & **Bell, M. A.** (2019, March). Cognitive flexibility and mathematics achievement: Predictive relations from ages 4 to 6. Paper presented at the meeting of the Eastern Psychological Association, New York.

**SRCD 2017**

47) **Bell, M.A.**, Wolfe, C.D., Cuevas, K.C., & Diaz, A., (2017, April). Cognition-emotion interactions during early childhood: Individual differences in temperament, executive functions, and brain electrophysiology. In A. Schermerhorn (Chair), Electrophysiological mechanisms and individual differences in emotion-cognition interrelations in children. Symposium paper at the Society for Research in Child Development, Austin.

46) **Bell, M.A.**, (2017, April). Discussion of cognitive neuroscience of infant fear. In B. Ostlund (Chair), The cognitive neuroscience of infant fearfulness: Recent advancements and implications for childhood psychopathology. Symposium paper at the Society for Research in Child Development, Austin.

45) Deater-Deckard, K., & **Bell, M.A.** (2017, April). Harsh parenting and the within-person variation in maternal executive function. In A. Shaffer (Chair), Parental self-regulation as a determinant of parenting of young children across diverse contexts. Symposium paper at the Society for Research in Child Development, Austin.

44) Li, M., Deater-Deckard, K., & **Bell, M.A.** (2017, April). Maternal negative emotionality and harsh parenting: Moderating effects of neurocognitive processes. In K. Deater-Deckard & M. Sturge-Apple (Chairs), Parental neurocognitive self-regulation and harsh parenting: Integrating neural, physiological, and behavioral levels of analysis. Symposium paper at the Society for Research in Child Development, Austin.

43) Swingler, M., Perry, N., Calkins, S.D., & **Bell, M.A.** (2017, April). Transactional associations between maternal intrusiveness and infant neural functioning. In A. Bernier (Chair), Early caregiving relationships and children's brain development. Symposium paper at the Society for Research in Child Development, Austin.

**IEEE SPMB 2016**

42) Marcano, J.L., **Bell, M.A.**, & Beex, A.A. (2016, December). EEG channel selection for AR model based ADHD classification. Paper presented at IEEE Signal Processing in Medicine and Biology Symposium, Philadelphia PA.

**EMBC 2016**

- 41) Marcano, J.L., **Bell, M.A.**, & Beex, A.A. (2016, August). Classification of ADHD and non-ADHD using AR models. Paper presented at the Engineering in Medicine and Biology Conference (EMBC), Orlando FL.

#### **SRCD 2016**

- 40) **Bell, M.A.**, Diaz, A., & Smith, C.L. (2016, September). Infant EEG coherence predicts preschool anxiety. In A. Kaczurkin (Chair), Biomarkers of anxiety risk from infancy to adulthood. Symposium paper at the Society for Research Psychophysiology, Minneapolis.
- 39) **Bell, M.A.** (2016, May). Infant temperament and early caregiving are related to anxiety at 36 months. In M. Gartstein (Chair), Intersections between negative affect and attention: Implications for emotional development. Symposium paper at the International congress of infant studies, New Orleans.
- 38) Rajan, V., Cuevas, K., & Bell, M. A. (2016, March). Developmental changes in relational memory binding: An EEG study. Paper presented at the meeting of the Eastern Psychological Association, New York City.

#### **ICME 2015**

- 37) Bortz, B., Bradburn, I., Scarpa, A., **Bell, M.A.**, Swain, D., & Knapp, B. (2015, October). Emotion regulation in children with autism through music-based biofeedback. Paper at the International Conference on Music & Emotion, Geneva.

#### **SPR 2015**

- 36) Cuevas, K., Calkins, S.D., & **Bell, M.A.** (2015, October). Sex as moderator of brain-behavior associations during early childhood: An EEG analysis of executive functions. In M.N. Shiota & L. Gatzke-Kopp (Chairs), Equal, but not the same: Why participant diversity matters in the study of physiology-behavior associations. Symposium paper at Society for Psychophysiological Research, Seattle.

#### **ISDP 2015**

- 35) Cuevas, K., **Bell, M.A.**, & Calkins, S.D. (2015, July). Sex differences in EEG activity during executive processing: A comparison of infants and young children. Paper at the International Society for Developmental Psychobiology, San Sebastian, Spain.

#### **SRCD 2015**

- 34) **Bell, M.A.** (2015, March). Frontoparietal network during infancy and risk for anxiety in early childhood. In I. Petersen (Chair), Neural mechanisms of psychopathology in early childhood. Symposium paper at the Society for Research in Child Development, Philadelphia.
- 33) Bernier, A., **Bell, M.A.**, & Calkins, S.D. (2015, March). Longitudinal associations between the quality of mother-infant interactions and brain development across infancy. In A. Bernier (Chair), Biological substrates and implications of caregiving relationships: An incursion into the nervous system, the genes, and the brain. Symposium paper at the Society for Research in Child Development, Philadelphia.
- 32) Corbetta, D., Friedman, D., & **Bell, M.A.** (2015, March). Cortical reorganization as a function of walking experience in 12 month old infants. In T. Wilcox (Chair), Common principles of cortical reorganization in early development. Symposium paper at the Society for Research in Child Development, Philadelphia.
- 31) Cuevas, K., **Bell, M.A.**, & Calkins, S.D. (2015, March). To Stroop or not to Stroop: Links between executive processing and brain activity during early childhood. In A. Tarullo (Chair), Neural correlates of executive function in early childhood. Symposium paper at the Society for Research in Child Development, Philadelphia.
- 30) Deater-Deckard, K., & **Bell, M.A.** (2015, March). Maternal executive functioning and psychophysiology: Implications for parenting and child development. In M. Sturge-Apple (Chair), Mind and matter: New insights on the role of parental executive functions in process models of parenting and child development. Symposium paper at the Society for Research in Child Development, Philadelphia.
- 29) El Mallah, S., **Bell, M.A.**, & Deater-Deckard, K. (2015, March). Socioeconomic risk moderates the link between household chaos and angry authoritarian parenting. In B. Fiese (Chair), Chaos in the house: Advancing understanding of socio-economic risk and the family

context. Symposium paper at the Society for Research in Child Development, Philadelphia.

#### **EPA 2015**

- 28) **Cuevas**, K., Calkins, S. D., & **Bell**, M. A. (2015, March). Sex-related differences in brain-behavior associations during early childhood: The Stroop-like day-night task. Paper at the meeting of the Eastern Psychological Association, Philadelphia, PA.

#### **ICIS 2014**

- 27) Corbetta, D., **Friedman**, D.R., & **Bell**, M.A. (2014, July). Brain reorganization as a function of walking experience in 12-month-old infants: Implications of manual laterality. In E. Nelson (Chair), The development of handedness: Taking stock and looking ahead. Symposium paper at International Conference on Infant Studies, Berlin.

#### **SRCD 2013**

- 26) **Bell**, M.A., & **Kraybill**, J.H. (2013, April). Using the EEG to examine the neurological foundations of early developing executive function skills. In A. Tarullo & W. Fifer (Chairs), From brain to behavior: Linking infant EEG measures to neurobehavioral development. Symposium paper at Society for Research in Child Development, Seattle.
- 25) **Cuevas**, K., Deater-Deckard, K., **Watson**, A.J., Kim-Spoon, J., **Morasch**, K.C., & **Bell**, M.A. (2013, April). Bio-social mechanisms of executive function transmission across early childhood: Maternal executive function and caregiving. In S. Worzalla (Chair), The role of parenting behaviors in young children's executive function and self-regulation development: Going beyond sensitive parenting. Symposium paper at Society for Research in Child Development, Seattle.
- 24) **Diaz**, A., & **Bell**, M.A. (2013, April). Understanding normal variations of fear: Context and memory. In S. Hart (Chair). The infant's presentation of fear: Contexts, cues, and electrophysiological substrates. Symposium paper at Society for Research in Child Development, Seattle.
- 23) Wang, Z., Deater-Deckard, K., & **Bell**, M.A. (2013, April). Do non-reactive mothers reappraise? In A. Monn (Chair), Understanding the role of parent executive function skills in family outcomes: The importance of a multiple levels of analysis approach. Symposium paper at Society for Research in Child Development, Seattle.

#### **ISDP 2012**

- 22) **Cuevas**, K., **Watson**, A.J., Deater-Deckard, K., & **Bell**, M.A. (2012, October). Bio-social contributors to early executive function: A longitudinal analysis. Paper presented at International Society for Developmental Psychobiology, New Orleans.

#### **ICIS 2012**

- 21) **Bell**, M.A., **Diaz**, A., & **Kraybill**, J.H. (2012, June). Psychophysiological indicators of stress regulation during infancy. In M. Sullivan (Chair), Using psychophysiological measures to understand emotion and emotion regulation in infancy. Symposium paper presented at International Conference on Infancy Studies, Minneapolis.
- 20) Swingler, M.M., Calkins, S.D., Perry, N.B., Marcovitch, S., & **Bell**, M.A. (2012, June). Emotion regulation in infancy: The contribution of maternal intrusiveness and infant neurophysiology to behavioral regulation during frustration. In M. Sullivan (Chair), Using psychophysiological measures to understand emotion and emotion regulation in infancy. Symposium paper presented at International Conference on Infancy Studies, Minneapolis.

#### **SRCD 2011**

- 19) Corbetta, D., & **Bell**, M.A. (2011, April). Sensorimotor integration: A dynamic affair between brain, body, and behavior. In V.R. Simmering & S. Perone (Chairs), New insights from dynamic systems approaches to development. Symposium paper presented at Society for Research in Child Development, Montreal.

#### **OTC 2010**

- 18) **Bell**, M.A. (2010, October). Temperament-cognition links: The toddler/preschool years. In W. Dixon & H. Teglasi-Golubcow (Chairs). Temperament and cognitive development. Symposium paper presented at the Occasional Temperament Conference, Brunswick, ME.

#### **ICIS 2010**

- 17) Morasch, K.C., & **Bell, M.A.** (2010, March). Behavioral and physiological expressions of toddler effortful control. In R.J. Brooker & K.A. Buss (Chairs), *Depicting control: Different approaches to studying effortful control in socioemotional development*. Symposium paper presented at International Conference on Infant Studies, Baltimore.

#### **SRCD 2009**

- 16) Wolfe, C.D., Adkins, D.R., & **Bell, M.A.** (2009, April). Predicting 8-year-old cognitive ability from 8-month and 4-year measures of cognition, temperament, and electrophysiology. In K. Perez-Edgar (Chair), *Developmental neuroscience approaches to studying the relation between cognition and emotion*. Symposium paper presented at Society for Research in Child Development, Denver.

#### **SRCD 2007**

- 15) **Bell, M.A.** (2007, March). The psychobiology of cognition-emotion interactions from infancy to early childhood. In **M.A. Bell** & S.D. Calkins (Chair), *Cognition-emotion integration in early development*. Symposium paper presented at Society for Research in Child Development, Boston.

#### **APA 2006**

- 14) Morasch, K.C., & **Bell, M.A.** (2006, August). EEG patterns during recognition memory in 12-month-old infants. In L.M. Oakes (Chair), *Cognitive, social, and emotional development during childhood*. Symposium paper presented at American Psychological Association, New Orleans.

#### **SRCD 2005**

- 13) **Bell, M.A.**, & Morasch, K.C. (2005, April). The development of working memory during infancy and early childhood. In L.M. Oakes & P. Bauer (Chairs), *Short and long term memory in infancy and early childhood: Taking the first steps toward remembering*. Symposium paper presented at Society for Research in Child Development, Atlanta.
- 12) Wolfe, C.D., & **Bell, M.A.** (2005, April). The integration of cognition and emotion during early childhood: Regulatory processes associated with the development of working memory. In S.M. Perez & M. Gauvain (Co-Chairs), *Putting the pieces together: How social, emotional, and cognitive processes get integrated over the course of development*. Symposium paper presented at Society for Research in Child Development, Atlanta.

#### **ICIS 2004**

- 11) **Bell, M.A.** (2004, May). EEG and heart rate correlates of the development of infant working memory. In **M.A. Bell** & L.A. Schmidt (Co-Chairs), *What central and autonomic coupling can tell us about infant cognitive and affective development*. Symposium paper presented at the International Conference on Infant Studies, Chicago.
- 10) **Bell, M.A.**, & Wolfe, C.D. (2004, May). Using EEG and ECG to investigate the integration of temperament and cognition. In K.A. Buss (Chair), *Addressing individual differences in temperament and related behaviors using multiple physiological measures*. Symposium paper presented at the International Conference on Infant Studies, Chicago.

#### **SRCD 2003**

- 9) **Bell, M.A.** (2003, April). Brain electrical activity during working memory tasks: Developmental changes from infancy to early childhood. In **M.A. Bell** (Chair), *Kids and electrodes: What developmental neuroscience can tell us about brain-behavior relations from infancy to childhood*. Symposium paper presented at Society for Research in Child Development, Tampa.

#### **ICIS 2000**

- 8) **Bell, M.A.** (2000, July). Searching for hidden objects: The development of looking and reaching from 5 to 10 months. In **M.A. Bell** (Chair), *Expectancy, perseveration, and permanence: What information do we get from looking and reaching tasks?* Symposium paper presented at International Conference on Infant Studies, Brighton, United Kingdom.

#### **ISSBD 1998**

- 7) **Bell, M.A.** (1998, July). Evidence of right frontal involvement in A-not-B performance during infancy. In B. Hopkins & L. Ronqvist (co-chairs), *Development of lateral biases: Fundamental and clinical perspectives*. Symposium paper presented at the biennial

meeting of the International Society for the Study of Behavioural Development, Berne, Switzerland.

### **ICIS 1998**

- 6) **Bell, M.A.** (1998, April). A looking version of the A-not-B task: Frontal EEG and infant cognitive functioning. In **M.A. Bell** (Chair), Looking where and looking when: What visual measures can (and cannot) tell us about infant perception and cognition. Symposium paper presented at International Conference on Infant Studies, Atlanta.
- 5) **Bell, M.A.** (1998, April). Frontal lobe function and the A-not-B task: Evidence for neural plasticity in cognitive development during infancy. In L. Schmidt (Chair), Neural plasticity in infant cognitive, affective, and perceptual development. Symposium paper presented at International Conference on Infant Studies, Atlanta.

### **SRCD 1997**

- 4) **Bell, M.A.** (1997, April). Discussion. In **M.A. Bell** (Chair), Multiple explanations of object permanence during infancy. Symposium at the Society for Research in Child Development, Washington DC.

### **SRCD 1993**

- 3) Calkins, S.D., & **Bell, M.A.** (1993, March). Reactivity and regulation in infancy: Implications for attachment and inhibition. In K. Stansbury (Chair), Emotion regulation, temperament, and relationships. Symposium paper presented at the Society for Research in Child Development, New Orleans.

### **ICIS 1992**

- 2) **Bell, M.A.** (1992, May). Electrophysiological correlates of object search performance during infancy. In E. Tronick (Chair), Student research awards. Symposium paper presented at the International Conference on Infant Studies, Miami Beach.

### **SRCD 1989**

- 1) **Bell, M.A.** (1989, April). Changes in frontal EEG power in relation to cognitive and affective development between 7 and 12 months of age. In N.A. Fox (Chair), Development of frontal lobe function: Behavioral and electrophysiological evidence. Symposium paper presented at the Society for Research in Child Development, Kansas City.

## **Posters at Scientific Meetings:**

### **ICIS 2024**

- Bell, M.A.**, & Patton, L. (2024, July). Toddlers are swayed by the “big basket” in the reverse categorization task. Poster presented at International Congress of Infant Studies, Glasgow, Scotland.
- Hull, A., Patton, L., & **Bell, M.A.** (2024, July). Using EEG coherence to examine neural functional connectivity during social tasks across the first year. Poster presented at the International Congress of Infant Studies, Glasgow, Scotland.
- Hull, A., Patton, L., & **Bell, M.A.** (2024, July). Neural functional connectivity from 10 to 12 months: Using EEG coherence to examine task attention. Poster presented at the International Congress of Infant Studies, Glasgow, Scotland.
- Phillips, J.J., Harrison jr., J.D., & **Bell, M.A.** (2024, July). From inhibited infants to timid toddlers: The effect of intrusive maternal parenting in early life fear trajectories. Poster presented at the International Congress of Infant Studies, Glasgow, Scotland.

### **CDS 2024**

- Donenfeld, J., Kaldy, Z., Blankenship, T., & **Bell, M.A.** (2024, March). Schooling improves inhibitory control in 6-year-olds independent of age: A secondary data analysis. Poster presented at the Cognitive Development Society, Pasadena, CA.

### **EPA 2024**

- Davinson, K., Patton, L., Farah, K., Wang, Z., **Bell, M.A.**, & Cuevas, K. (2024, March). From lights to insights: Investigating infant resting-state EEG procedures. Poster presented at Eastern Psychological Association, Philadelphia.

**OTC 2023**

Ermanni, B., & Bell, M.A. (2023, October). Exploring the factorial invariance of the child behavior questionnaire in early childhood. Poster presented at Occasional Temperament Conference, Orford, Quebec.

Wijeratne, K., Williams, C.A., Rasnick, K.C., & Bell, M.A. (2023, October). Is there an association between temperament and sensory seeking? A correlational study. Poster presented at Occasional Temperament Conference, Orford, Quebec.

**FIT'NG 2023**

Cuevas, K., Davinson, K., Patton, L., & Bell, M.A. (2023, September). Comparing developmentally-appropriate resting-state contexts: Methodological considerations from infancy to early childhood. Poster presented at Fetal, Infant, and Toddler Neuroimaging Group, Santa Rosa, CA.

**APA 2023**

Phillips, J.J., Savla, J., & Bell, M.A. (2023, August). Psychobiological foundations of middle childhood emotion regulation. Poster presented at American Psychological Association, Washington DC.

Williams, C., Smith, C.L., & Bell, M.A. (2023, August). Predictive factors of social problems in middle childhood: The ceiling effect of positive maternal interaction. Poster presented at American Psychological Association, Washington DC.

Zerrouk, M., Castro, R., Ravigopal, T., Puri, S., & Bell, M.A. (2023, August). The direct and indirect impacts of executive functioning and temperament self-regulation on externalizing behaviors in middle childhood. Poster presented at American Psychological Association, Washington DC.

Zerrouk, M., Puri, S., Ravigopal, T., Castro, R., & Bell, M.A. (2023, August). The impact of age 4 child and material factors on age 6 anxiety. Poster presented at American Psychological Association, Washington DC.

**ISDP 2023**

Diaz Benitez, V., & Bell, M.A. (2023, July). Temperamental negative affectivity moderates the effect of cognitive flexibility on math skills during adolescence. Virtual poster presented at International Society for Developmental Psychobiology.

Harrison, J.D., & Bell, M.A. (2023, July). Developmental trajectory of selective sustained attention from toddlerhood through middle childhood. Virtual poster presented at International Society for Developmental Psychobiology.

Phillips, J.J., & Bell, M.A. (2023, July). Moms are at the heart of emotion regulation: Maternal personality as a predictor of adolescent RSA. Virtual poster presented at International Society for Developmental Psychobiology.

Rasnick, K., & Bell, M.A. (2023, July). Predictors of maternal negative self-expressiveness in the family context. Virtual poster presented at International Society for Developmental Psychobiology.

Wijeratne, K., & Bell, M.A. (2023, July). Anticipating anxiety: The direct role of fear and the moderating role of RSA in the association between maternal negative affect and child anxiety. Virtual poster presented at International Society for Developmental Psychobiology.

**SRCD 2023**

Bruce, M., Savla, J., & Bell, M.A. (2023, March). From terrible twos to sassy sixes: The development of early childhood vocabulary and executive functioning. Poster presented at Society for Research in Child Development, Salt Lake City.

Diaz Benitez, V., & Bell, M.A. (2023, March). Middle childhood executive functions and parenting behaviors predict adolescent academic skills. Poster presented at Society for Research in Child Development, Salt Lake City.

Ermanni, B., & Bell, M.A. (2023, March). Indirect effects of toddler surgency on childhood socioemotional outcomes: Mediation through effortful control. Poster presented at Society for Research in Child Development, Salt Lake City.

Harrison, J.D., & Bell, M.A. (2023, March). Early childhood interindividual differences and intraindividual change: Predictors of Dimensional Change Card Sort performance. Poster



presented at Society for Research in Child Development, Salt Lake City.

Phillips, J., Hunter, J., & **Bell, M.A.** (2023, March). The longitudinal effects of biological and social predictors on early childhood emotion regulation. Poster presented at Society for Research in Child Development, Salt Lake City.

Williams, C., & **Bell, M.A.** (2023, March). Impact of toddler child and maternal factors on early childhood self-regulation behaviors. Poster presented at Society for Research in Child Development, Salt Lake City.

Zerrouk, M., & **Bell, M.A.** (2023, March). The impact of early childhood and maternal factors on later childhood conduct problems and anxiety problems. Poster presented at Society for Research in Child Development, Salt Lake City.

Zerrouk, M., & **Bell, M.A.** (2023, March). EEG frontal asymmetry moderates the impact of temperament and executive function on conduct problems in middle childhood. Poster presented at Society for Research in Child Development, Salt Lake City.

### **ISDP 2022**

Bertrand, C., Hong, Y., Smith, C.L., Deater-Deckard, K., & **Bell, M.A.** (2022, November). Developmental patterns of EEG physiological similarity between mother and child. Poster presented at International Society for Developmental Psychobiology, San Diego.

Ermanni, B., & **Bell, M.A.** (2022, November). Age-related differences in surgency as a predictor of social competence: Mediation through effortful control. Poster presented at International Society for Developmental Psychobiology, San Diego.

Harrison, J.D., & **Bell, M.A.** (2022, November). Proactive and reactive cognitive control during middle childhood: Age 6 effortful control and age 9 alpha and theta power. Poster presented at International Society for Developmental Psychobiology, San Diego.

Hong, Y., Bertrand, C., Smith, C.L., Deater-Deckard, K., & **Bell, M.A.** (2022, November). The role of both mother's and child's self-regulation on bidirectional links between harsh parenting and child externalizing problems. Poster presented at International Society for Developmental Psychobiology, San Diego.

Phillips, J.J., Sinclair, K.A., & **Bell, M.A.** (2022, November). Biopsychosocial predictors of adolescent rule breaking: The roles of temperament, RSA, and maternal intimacy. Poster presented at International Society for Developmental Psychobiology, San Diego.

Zerrouk, M., & **Bell, M.A.** (2022, November). Child and maternal predictors of anxiety behaviors in 6-year-olds. Poster presented at International Society for Developmental Psychobiology, San Diego.

### **NCFR 2022**

Zhu, D., Talley, K.E., **Bell, M.A.**, & Dunsmore, J.C. (2022, November). Etch the emotional life: Mother-child transactional influences of emotion coaching and dismissing on expressions from age 3 to 6 years. Poser presented at the National Council on Family Relations, Minneapolis.

### **ICIS 2022**

**Bell, M.A.**, Ashley, R., Smith, C.L., Scarpa, A., & Dunsmore, J. (2022, July). Mother-toddler dyad behavioral and physiological synchrony at 36 months: Infant predictors and concurrent toddler outcomes. Poster presented at the International Congress of Infant Studies, Ottawa.

Bruce, M., Ermanni, B., & **Bell, M.A.** (2022, July). Addressing the "task impurity" problem: Infant and maternal factors differentially predict toddler performance on linguistically simple/complex EF tasks. Poster presented at the International Congress of Infant Studies, Ottawa.

Ermanni, B., Dooly, A., & **Bell, M.A.** (2022, July). The role of parenting in the relation between infant temperament and toddler socialization. Poster presented at the International Congress of Infant Studies, Ottawa.

Harrison, D.J., & **Bell, M.A.** (2022, July). Associations of performance on looking version of the A-not-B task and coherence activity. Poster presented at the International Congress of Infant Studies, Ottawa.

Phillips, J.J., & **Bell, M.A.** (2022, July). The roles of infant surgency and maternal positive affect in predicting child internalizing and externalizing behaviors. Poster presented at the International Congress of Infant Studies, Ottawa.

Zerrouk, M., & **Bell, M.A.** (2022, July). Anxiety problems at 36 months: The impact of 24-mo fear, 24-mo inhibitory control, and maternal intrusiveness. Poster presented at the International Congress of Infant Studies, Ottawa.

### **ISSBD 2022**

Zhu, D., Terry, J.B., Talley, K.E., **Bell, M.A.**, & Dunsmore, J.C. (2022, June). Etch the emotional life: Developmental trajectories of mother-child emotion coaching from age 3 to 6 years. Poster presented at the International Society for the Study of Behavioral Development, Rhodes, Greece.

### **SAS 2022**

Phillips, J.J. & **Bell, M.A.** (2022, March-April). The effects of maternal emotion regulation and personality on adolescent emotion regulation. Poster presented at Society for Affective Science [virtual conference due to COVID-19].

Meza-Cervera, T., & **Bell, M.A.** (2022, March-April). Adolescent emotion regulation strategies and depressive symptoms: The role of mothers. Poster presented at Society for Affective Science [virtual conference due to COVID-19].\*

Zhu, D., Terry, J.B., Talley, K.E., **Bell, M.A.**, & Dunsmore, J.C. (2022, March-April). Etch the emotional life: Reciprocation of mother-child emotion coaching from age 3 to 6 years. Poster presented at Society for Affective Science [virtual conference due to COVID-19].

### **ISDP 2021**

Broomell, A., & **Bell, M.A.** (2021, November). Six-month frontotemporal coherence predicts twelve-month joint attention. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19].

Bruce, M., & **Bell, M.A.** (2021, November). Language development in toddlerhood: contributions from temperament, executive functioning, and parenting. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19].

Davinson, K., Cuevas, K., Wang, Z., & Bell, M.A. (2021, November). EEG theta-beta ratio during infancy: An integrative analysis of cross-context and cross age stability. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19].

Ermanni, B., & **Bell, M.A.** (2021, November). Predicting infant surgency: Interactions between maternal sensitivity and frontal alpha asymmetry. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19]

Meza-Cervera, T., & **Bell, M.A.** (2021, November). Late childhood and adolescent predictors of adolescent depressive symptoms. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19].

Phillips, J.J., & **Bell, M.A.** (2021, November). The importance of biological and social factors in the development of early childhood externalizing behaviors. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19].

Zerrouk, M., & **Bell, M.A.** (2021, November). Inhibitory control moderates the relation between negative affect and child conduct problems in 9-year-olds. Poster presented at International Society for Developmental Psychobiology, Chicago [hybrid conference due to COVID-19].

### **SAS 2021**

Garcia Meza, T., Tucker, A., Liu, R., & **Bell, M.A.** (2021, April). Emotion inhibition mediates the effect of parent's adaptive cognitive emotion regulation on child frontal asymmetry during appraisal. Poster presented at Society for Affective Science [virtual conference due to COVID-19].

Keith, Z.A., Talley, K.E., **Bell, M.A.**, & Dunsmore, J.C. (2021, April). Mother-child emotional communication through physical touch: Connection, intensity, and associations with child behavior problems. Poster presented at Society for Affective Science [virtual conference due to COVID-19].

Talley, K.E., Gatto, A., Zhu, D., **Bell, M.A.**, & Dunsmore, J.C. (2021, April). Mothers' beliefs about emotions and emotion coaching behavior: Similarities and differences for Black and White families. Poster presented at Society for Affective Science [virtual conference due to COVID-19].

**ABCT 2021**

Baumgardner, M., Allen, K. B., & **Bell, M. A.** (2021, November). The role of maternal attributions of child behavior in the bidirectional associations between children's internalizing and externalizing symptoms and maternal parenting. Poster presented at the Association for Behavioral and Cognitive Therapies [virtual conference due to COVID-19].

**SRCD 2021**

Andre, N., Broomell, A.P.R., & **Bell, M.A.** (2021, April). Mommy and me: How infant temperament and maternal affect predict executive function development. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Bertrand, C., Deater-Deckard, K., & **Bell, M.A.** (2021, April). Family-wide dysregulation, harsh parenting, and child behavior problems. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Bruce, M., & **Bell, M.A.** (2021, April). Longitudinal development of delay and conflict inhibitory control in 2- to 4-year-old children. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Bruce, M., McFayden, T., Ollendick, T., & **Bell, M.A.** (2021, April). Expressive language in infancy: The roles of temperament and maternal parenting behavior. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Cuevas, K., Wang, Z., Bryant, L., & **Bell, M.A.** (2021, April). Ontogeny of EEG during the first year: An integrative monthly analysis of neural oscillatory rhythms. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Cuevas, K., Wang, Z., Davinson, K., & **Bell, M.A.** (2021, April). Longitudinal analysis of resting-state EEG theta-beta ratio during infancy. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Devine, D., Smith, C., Garcia Meza, T., Liu, R., & **Bell, M.A.** (2021, April). Determinants of parent problematic media use and relations with adolescent problematic media use. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Ermanni, B., Liu, R., & **Bell, M.A.** (2021, April). Inhibitory control as a moderator of maternal negative affect and children's externalizing problems. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Garcia Meza, T., Phillips, J., & **Bell, M.A.** (2021, April). Maternal personality functioning as a moderator between parenting practices and adolescent emotion suppression. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Hong, Y., Deater-Deckard, K., & **Bell, M.A.** (2021, April). Parent-child temperament similarity, parent-child relationship quality, and child behavioral adjustment. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Liu, R., Zerrouk, M., & **Bell, M.A.** (2021, April). Fearful temperament and adolescent anxiety symptoms: The roles of attention biases and frontal EEG asymmetry. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Phillips, J., & **Bell, M.A.** (2021, April). Middle childhood externalizing behaviors are predicted by early childhood maternal and child factors. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Rajan, V., Cuevas, K., & **Bell, M.A.** (2021, April). Memory binding and theta EEG during middle childhood. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

Zerrouk, M., & **Bell, M.A.** (2021, April). Self-reported conduct problems at age 9: The impact of child negative affect, maternal negative behaviors, and child frontal EEG asymmetry. Poster presented at Society for Research in Child Development [virtual conference due to COVID-19].

**EPA 2021**

Davinson, K., Cuevas, K., Wang, Z., & **Bell, M.A.** (2021, March). Longitudinal and contextual analyses of resting-state multi-rhythm EEG measures during infancy. Eastern Psychological

Association [virtual conference due to COVID-19].

### **OTC 2020**

- Bertollo, J.R., Scarpa, A., & **Bell, M.A.** (2020, November). Infant emotional reactivity and childhood adaptive socialization skills. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Chary, M., Deater-Deckard, K., & **Bell, M.A.** (2020, November). The moderating role of household chaos on child surgency and harsh fathering. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Garcia Meza, T., & **Bell, M.A.** (2020, November). Predicting toddler noncompliance: The role of infant reactivity, toddler effortful control, and maternal attention. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Hong, Y., Deater-Deckard, K., & **Bell, M.A.** (2020, November). Similarity of parent-child temperament: Links with parenting and child behavior problems. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Liu, R., & **Bell, M.A.** (2020, November). Infant negative affectivity, frontal EEG asymmetry, and maternal intrusiveness predict externalizing problems in toddlerhood. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Phillips, J., & **Bell, M.A.** (2020, November). Links between maternal self-ratings of personality and maternal ratings of child temperament. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Whedon, M.C., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2020, November). Private speech during problem-solving predicts inhibitory control in temperamentally negative preschoolers: Implications for the development of emotion regulation. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Whedon, M.C., Swingler, M.M., Calkins, S.D., & **Bell, M.A.** (2020, November). Learning to inhibit: Longitudinal associations between temperament, EEG alpha suppression during task instructions, and inhibitory control in preschool. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Wolfe, C.D., & **Bell, M.A.** (2020, November). RSA change across time and task for preschool children is related to shyness. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Zerrouk, M., Diaz, A., & **Bell, M.A.** (2020, November). Sadness is also a predictor for an attentional bias in non-clinical populations of children. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].
- Zhu, D., Patton, L.A., Terry, J., Hernandez, E., **Bell, M.A.**, & Dunsmore, J.C. (2020, November). Child negative affectivity, maternal emotion dismissing, and child behavior problems in early childhood. Poster presented at Occasional Temperament Conference [virtual conference due to COVID-19].

### **ISDP 2020**

- Bell, M.A.**, Broomell, A.P.R., & Eng, C. (2020, October). Sex differences in EEG coherence across infancy and early childhood. Poster presented at International Society for Developmental Psychobiology [virtual conference due to COVID-19].
- Bruce, M.D., & **Bell, M.A.** (2020, October). The effect of infant attention and maternal education on children's receptive vocabulary development. Poster presented at International Society for Developmental Psychobiology [virtual conference due to COVID-19].
- Cuevas, K., Wang, Z., & **Bell, M.A.** (2020, October). Resting-state EEG theta-beta ratio and executive function during infancy. Poster presented at International Society for Developmental Psychobiology [virtual conference due to COVID-19].
- Garcia Meza, T., & **Bell, M.A.** (2020, October). Parent's adaptive cognitive emotion regulation strategies predict children's left frontal EEG asymmetry during cognitive reappraisal. Poster presented at International Society for Developmental Psychobiology [virtual conference due to COVID-19].
- Liu, R., & **Bell, M.A.** (2020, October). Poster presented at Frontal EEG asymmetry and trajectory of externalizing problems across early development. Poster presented at International Society

for Developmental Psychobiology [virtual conference due to COVID-19].

Phillips, J.J., & **Bell, M.A.** (2020, October). Setting the stage: Infant biology and environment predict child internalizing behaviors. Poster presented at International Society for Developmental Psychobiology [virtual conference due to COVID-19].

Zerrouk, M.G., & **Bell, M.A.** (2020, October). Developmental and intergenerational patterns of inhibitory control for 9-year-old children and their mothers. Poster presented at International Society for Developmental Psychobiology [virtual conference due to COVID-19].

#### **APA 2020**

**Bell, M.A.**, Broomell, A.P.R., & Eng, C. (2020, August). EEG power and coherence show sex differences in brain development across the first two years. American Psychological Association, Washington DC. [poster accepted but not presented due to COVID-19]

#### **ICIS 2020**

Broomell, A.P.R., & **Bell, M.A.** (2020, July). Structure and development of inhibitory control from infancy to late childhood. Poster presented at International Congress of Infant Studies [virtual conference due to COVID-19].

#### **HeAL 2020**

Hubbard, C., & **Bell, M.A.** (2020, June). Studying cortical networks with EEG coherence in mild to moderate hearing loss. Hearing Across the Lifespan Conference, Lake Como, Italy. [poster accepted but not presented due to COVID-19]

#### **ISDP 2019**

**Bell, M.A.**, Patton, L.A., Liu, R., & Garcia Meza, T. (2019, October). 10-month predictors of 12-month cognitive inhibitory control performance. Poster presented at International Society for Developmental Psychobiology, Chicago.

Gartstein, M.A., Hancock, G., Potapova, N., Calkins, S.D., & **Bell, M.A.** (2019, October). Sex differences in the development of frontal EEG asymmetry. International Society for Developmental Psychobiology, Chicago.

#### **CDS 2019**

Garcia Meza, T., & **Bell, M.A.** (2019, October). Baseline and task-related EEG coherence is linked to nonperseverative and perseverative errors on the Wisconsin Card Sorting Task. Poster presented at Cognitive Development Society, Louisville KY.

#### **SPR 2019**

**Bell, M.A.**, Ashley, R.A., Zhou, Y., Shin, E., Hernandez, E., Slough, M.A., Vlahcevic, K., Scarpa, A., Dunsmore, J.C., & Smith, C.L. (2019, September). Infant frontal EEG asymmetry predicts toddler physiological and behavioral synchrony with mother during puzzle interaction task. Poster presented at Society for Psychophysiological Research, Washington DC.

#### **Pangborn 2019**

Clark, E.A., Duncan, S.E., Lahne, J., O'Keefe, S.F., **Bell, M.A.**, & Gallagher, D.L. (2019, July). Characterizing consumer emotional response to milk packaging guides interpretation of acceptability and purchase intent. Poster presented at Pangborn Sensory Science Symposium, Edinburgh, Scotland.

#### **SRCD 2019**

**Bell, M.A.**, Patton, L., & Holmboe, K. (2019, March). Development of inhibitory control from 7 to 11 months. Society for Research in Child Development, Baltimore.

Broomell, A.P.R., & **Bell, M.A.** (2019, March). Associations between infant and toddler fronto-parietal connectivity and preschool inhibitory control. Society for Research in Child Development, Baltimore.

Garcia Meza, T., & **Bell, M.A.** (2019, March). Infant and toddler predictors of preschool executive function. Society for Research in Child Development, Baltimore.

Gatto, A., Zhu, D., Hernandez, E., Miller-Slough, R., **Bell, M.A.**, & Dunsmore, J. (2019, March). Parental emotion coaching relates to fewer behavior problems for children higher in negative affectivity. Society for Research in Child Development, Baltimore.

Hong, Y., McCormick, S., Deater-Deckard, K., & **Bell, M.A.** (2019, March). Role of household chaos on the association between supportive parenting and child emotion regulation. Society for Research in Child Development, Baltimore.

- Joyce, A.W., & **Bell, M.A.** (2019, March). Heart rate variability predicts standardized test performance but is mediated by inhibitory control. Society for Research in Child Development, Baltimore.
- Kraybill, J., & **Bell, M.A.** (2019, March). Infant attention, preschool executive function, and school readiness. Society for Research in Child Development, Baltimore.
- Liu, R., & **Bell, M.A.** (2019, March). Association between emotion regulation and externalizing problems: The moderating role of RSA reactivity and gender. Society for Research in Child Development, Baltimore.
- Rajan, V., & **Bell, M.A.** (2019, March). Cognitive flexibility supports early mathematics achievement. Society for Research in Child Development, Baltimore.
- Whedon, M., Perry, N., Calkins, S.D., & **Bell, M.A.** (2019, March). Growth in resting frontal cortex activity predicts inhibitory control at 4 years: Implications for school adjustment. Society for Research in Child Development, Baltimore.

### **SfN 2018**

- Liu, R., & **Bell, M.A.** (2018, November). Frontal EEG asymmetry moderates the associations between negative temperament and behavioral problems during middle childhood. International Society for Developmental Psychobiology poster reception at Society for Neuroscience, San Diego.

### **ISDP 2018**

- Bell, M.A.**, Ashley, R.A., Zhou, Y., Shin, E., Hernandez, E., Slough, M.A., Vlahcevic, K., Scarpa, A., Dunsmore, J.C., & Smith, C.L. (2018, November). Second-by-second child frontal EEG asymmetry and child behavior predict maternal behavior during an interaction task. International Society for Developmental Psychobiology, San Diego.
- Broomell, A.P.R., & **Bell, M.A.** (2018, November). Preschool fronto-frontal EEG coherence predicts social responsiveness at 9 years. International Society for Developmental Psychobiology, San Diego.
- Garcia Meza, T., Liu, R., & **Bell, M.A.** (2018, November). Infant frontal EEG, maternal sensitivity, and toddler inhibitory control predict preschool behavioral regulation. International Society for Developmental Psychobiology, San Diego.
- Liu, R., & **Bell, M.A.** (2018, November). Frontal EEG asymmetry moderates the associations between negative temperament and behavioral problems during middle childhood. International Society for Developmental Psychobiology, San Diego.
- Maier, M., Goodman, S., **Bell, M.A.**, & Vissicchio, J. (2018, November). The relationship between infant's EEG asymmetry and positive affect synchrony among mothers with a history of depression and their infants. International Society for Developmental Psychobiology, San Diego.
- Perry, N.B., Desjardins, C., Calkins, S.D., & **Bell, M.A.** (2018, November). Coregulation of respiratory sinus arrhythmia during mother-child interaction. International Society for Developmental Psychobiology, San Diego.
- Whedon, M., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2018, November). Developmental changes in fronto-central EEG across infancy are related to language and executive functions in children. Poster presented at International Society for Developmental Psychobiology, San Diego.

### **APA 2018**

- Bell, M.A.**, Blankenship, T.L., & Liu, R. (2018, August). Preschool internalizing problems vary with birth weight among children born at term. Poster presented at American Psychological Association, San Francisco.

### **ICIS 2018**

- Bell, M.A.**, & Patton, L. (2018, July). Frontoparietal connectivity at 5 and 10 months. Poster presented at International Congress of Infant Studies, Philadelphia.
- Blankenship, T.L., & **Bell, M.A.** (2018, July). Attention in infancy: Links to childhood executive function and reading achievement. Poster presented at International Congress of Infant Studies, Philadelphia.
- Broomell, A.P.R., & **Bell, M.A.** (2018, July). Infant front-parietal EEG coherence predicts preschool

executive function. Poster presented at International Congress of Infant Studies, Philadelphia.

Eng, C., & **Bell, M.A.** (2018, July). Infant EEG power and coherence: Potential indicators of childhood AD/HD. Poster presented at International Congress of Infant Studies, Philadelphia.

Garcia Meza, T., Liu, R., & **Bell, M.A.** (2018, July). Infant surgency, preschool noncompliance, and middle childhood executive function. Poster presented at International Congress of Infant Studies, Philadelphia.

Liu, R., & **Bell, M.A.** (2018, July). Infant frontal EEG asymmetry moderates the association between early maternal intrusiveness and 36-month anxiety and depression. Poster presented at International Congress on Infant Studies, Philadelphia.

Whedon, M., Swingler, M.M., Calkins, S.D., & **Bell, M.A.** (2018, July). Functional segregation of prefrontal and motor cortices in the left hemisphere across infancy is related to language competence in typically-developing children. Poster presented at International Congress of Infant Studies, Philadelphia.

### **ISAR 2018**

Swain, D., Factor, R., Waldron, J., Broomell, A.P.R., **Bell, M.A.**, Dunsmore, J., Ashley, R., Zhou, Y., & Scarpa, A. (2018, May). Dyadic physiological linkage as a new measure of social reciprocity in ASD. Poster presented at International Society for Autism Research, Rotterdam, Netherlands.

### **ISDP 2017**

Bacher, L.F., Walsh, R., Gonzalez, & **Bell, M.A.** (2017, November). Development of spontaneous eye blinking from infancy to early childhood. Poster presented at International Society for Developmental Psychobiology, Washington DC.

**Bell, M.A.**, Ashley, R.A., Zhou, Y., Scarpa, A., Dunsmore, J.C., & Smith, C.L. (2017, November). Mother-child frontal EEG synchrony during interaction tasks. Poster presented at International Society for Developmental Psychobiology, Washington DC.

Rajan, V., & **Bell, M.A.** (2017, November). Brain-behavior associations during cognitive flexibility performance. Poster presented at International Society for Developmental Psychobiology, Washington, DC.

Whedon, M., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2017, November). Vagal regulation in infancy and the development of language: Implications for executive function and emotion regulation in childhood. Poster presented at International Society for Developmental Psychobiology, Washington DC.

### **CDS 2017**

Garcia Meza, T., Liu, R., & **Bell, M.A.** (2017, October). The contribution of early childhood emotion regulation to executive functioning at age 6. Poster presented at Cognitive Development Society, Portland OR.

### **APS 2017**

McCormick, S.A., Chary, M.C., Deater-Deckard, K., & **Bell, M.A.** (2017, May). The role of stability in frontal EEG asymmetry and correlates of household chaos and behavior in early childhood. Poster presented at Association for Psychological Science, Boston.

### **MAPRS 2017**

Garcia Meza, T., & **Bell, M.A.** (2017, May). Working memory at age 6: Contributions of infant attention and emotion regulation. Poster presented at Mid-Atlantic PREP/IMSD Research Symposium, Baltimore.

### **SRCD 2017**

Blankenship, T., & **Bell, M.A.** (2017, April). Recollection and working memory predict academic achievement at age 6. Poster presented at Society for Research in Child Development, Austin.

Blankenship, T., Diaz, A., & **Bell, M.A.** (2017, April). Attentional bias for fearful stimuli relates to episodic memory during middle childhood. Poster presented at Society for Research in Child Development, Austin.

Broomell, A.P., & **Bell, M.A.** (2017, April). Maternal intrusive moderates the association between

infant EEG and child executive function. Poster presented at Society for Research in Child Development, Austin.

Broomell, A.P., & **Bell, M.A.** (2017, April). Inhibitory control task performance and EEG power at age four. Poster presented at Society for Research in Child Development, Austin.

Eng, C., Calkins, S.D., & **Bell, M.A.** (2017, April). Attention-related EEG and behavior in Infancy: Potential indicators of childhood AD/HD. Poster presented at Society for Research in Child Development, Austin.

Garcia Meza, T., & **Bell, M.A.** (2017, April). Self-monitoring at age 6: Contributions of emotion regulation and executive function. Poster presented at Society for Research in Child Development, Austin.

Joyce, A., & **Bell, M.A.** (2017, April). Verbal and motoric inhibitory control as predicted by electrophysiology, temperament, and language. Poster presented at Society for Research in Child Development, Austin.

Joyce, A., & **Bell, M.A.** (2017, April). Verbal, motoric, and parent-report inhibitory control differentially predict academic outcomes. Poster presented at Society for Research in Child Development, Austin.

Liu, R., & **Bell, M.A.** (2017, April). Fear/shyness, effortful control, and maternal negative behaviors predict internalizing problems: A longitudinal study. Poster presented at Society for Research in Child Development, Austin.

Wolfe, C., Kissell, H.A., & **Bell, M.A.** (2017, April). Temperamental shyness and RSA reactivity predict executive function at age 4: Exploring the moderating role of sex. Poster presented at Society for Research in Child Development, Austin.

#### **EMBC 2017**

Marcano, J.L., **Bell, M.A.**, & Beex, A.A. (2017, February). Classification of ADHD and non-ADHD using Theta/Beta Power Ratio Features. Poster presented at Engineering in Medicine and Biology Conference, Orlando FL.

#### **ISDP 2016**

Bacher, L.F., Bonzalez, A., Javier, G., & **Bell, M.A.** (November, 2016). Examination of spontaneous eye blinking from infancy to toddlerhood during cognitive tasks. Poster presented at International Society for Developmental Psychobiology, San Diego.

**Bell, M.A.**, Blankenship, T.L., & Liu, R. (November, 2016). Birthweight, frontal EEG asymmetry, and temperament: Potential context for developmental risk in full term infants. Poster presented at International Society for Developmental Psychobiology, San Diego.

Blankenship, T.L., Broomell, A.P.R., & **Bell, M.A.** (November, 2016). Neural correlates of future episodic memory in 4-year-olds. Poster presented at International Society for Developmental Psychobiology, San Diego.

Broomell, A.P.R., Blankenship, T.L., & **Bell, M.A.** (November, 2016). Inhibitory control task condition and EEG coherence at age four. Poster presented at International Society for Developmental Psychobiology, San Diego.

Eng, C.M., Patton, L.A., Calkins, S.D., & **Bell, M.A.** (November, 2016). Infant attention and corresponding EEG: Potential indicators of childhood AD/HD. Poster presented at International Society for Developmental Psychobiology, San Diego.

Perry, N.B., Swingler, M.M., Calkins, S.D., & **Bell, M.A.** (November, 2016). Neural predictors of trajectories of attentional control and emotion regulation. Poster presented at International Society for Developmental Psychobiology, San Diego.

Rajan, V., & **Bell, M.A.** (November, 2016). Patterns of brain electrical activity during cognitive flexibility performance in early childhood. Poster presented at International Society for Developmental Psychobiology, San Diego.

#### **ABRCMS 2016**

Brown, D.W., Dunsmore, J.C., Hernandez, E., Miller-Slough, R.L., Smith, C.L. & **Bell, M.A.** (2016, November). Longitudinal effects of mothers' encouragement and discouragement of positive emotions on children's task behavior. Poster presented at Annual Biomedical Research Conference for Minority Students, Tampa FL.

Nickerson, N., & **Bell, M.A.** (2016, November). How six year olds respond to stressful situations:



Emotions and brain activity. Poster presented at Annual Biomedical Research Conference for Minority Students, Tampa FL.

### **SSP 2016**

Walsh, A., Duncan, S., **Bell, M.A.**, Gallagher, D., & O'Keefe, S. (2016, October). Integrating implicit and explicit emotional assessment of pleasurable meal experiences. Poster presented at Society of Sensory Professionals, Atlanta.

### **VNPNC 2016**

**Broomell, A.P.R.**, & **Bell, M.A.** (2016, October). Infant EEG coherence predicts socialization at age 4. Poster presented at Virginia-Nordic Precision Neuroscience Conference, Roanoke VA.

**Eng, C.**, Patton, L.A., & **Bell, M.A.** (2016, October). Infant brain and behavior during an attention task: Potential biomarkers of childhood AD/HD. Poster presented at Virginia-Nordic Precision Neuroscience Conference, Roanoke VA.

**Marcano, J.L.**, **Bell, M.A.**, & **Beex, A.A.** (2016, October). Using EEG to classify ADHD and non-ADHD. Poster presented at Virginia-Nordic Precision Neuroscience Conference, Roanoke VA.

### **ICIS 2016**

**Blankenship, T.**, & **Bell, M.A.** (2016, May). Attentional control in infancy predicts explicit memory performance at 36 months. Poster presented at International Congress of Infant Studies, New Orleans.

**Diaz, A.**, Swingler, M., Calkins, S.D., & **Bell, M.A.** (2016, May). Infant frontal EEG asymmetry moderates the association between maternal behavior and toddler negative affectivity. Poster presented at International Congress of Infant Studies, New Orleans.

**Eng, C.**, Calkins, S.D., & **Bell, M.A.** (2016, May). Sex differences in attention behavior and attention-related EEG at 5 and 10 months. Poster presented at International Congress of Infant Studies, New Orleans.

**Gartstein, M.**, **Bell, M.A.**, Braungart-Rieker, J., Leerkes, E., Money, K., Cheatham, C., Mize, K., Eiden, R., Brand, R., Labounty, J., & Mireault, G., (2016, May). Individual differences in the first year of life: Latent profile analysis of the Infant Behavior Questionnaire-Revised. Poster presented at International Congress of Infant Studies, New Orleans.

**Liu, R.**, & **Bell, M.A.** (2016, May). Verbal ability mediates the association between effortful control and executive functions at 24 months. Poster presented at International Congress of Infant Studies.

**MacNeill, L.**, Ram, N., **Bell, M.A.**, Fox, N.A., & Perez-Edgar, K. (2016, May). Individual differences in A-not-B performance and brain activity: Modeling infant development with parallel process growth models. Poster presented at International Congress of Infant Studies, New Orleans.

**Perry, N.**, Dollar, J., Calkins, S.D., & **Bell, M.A.** (2016, May). A cross-lagged analysis of the relations between maternal intrusiveness, emotion dysregulation, and physiological functioning. Poster presented at International Congress of Infant Studies, New Orleans.

**Smith, C.**, Tan, L., **Diaz, A.**, Calkins, S.D., & **Bell, M.A.** (2016, May). Infant positive affect and frontal EEG asymmetry as predictors of toddlerhood effortful control. Poster presented at International Congress of Infant Studies, New Orleans.

**Troxler, J.**, Smith, C., **Diaz, A.**, Calkins, S.D., & **Bell, M.A.** (2016, May). Maternal intrusiveness as a moderator of the relation of infant negative affect to toddler effortful control. Poster presented at International Congress of Infant Studies, New Orleans.

**Whedon, M.**, Perry, N., Calkins, S.D., & **Bell, M.A.** (2016, May). Changes in frontal EEG coherence across infancy predict cognitive abilities at age 3: The mediating role of attentional control. Poster presented at International Congress of Infant Studies, New Orleans.

### **APS 2016**

**Swain, D.**, Waldron, J., Factor, R., **Ross, A.**, Zhou, Y., Ashley, R., Dunsmore, J., **Bell, M.A.**, & Scarpa, A. (2016, May). Physiological linkage in autism spectrum disorders: Preliminary findings. Poster presented at Association for Psychological Science, Chicago.

### **IMFAR 2016**

Ross, A.P., Swain, D., Scarpa, A., & **Bell, M.A.** (2016, May). Infant neuroconnectivity is a predictor of social responsiveness deficits at age four. Poster presented at International Meeting for Autism Research, Baltimore.

#### **SRA 2016**

Kim-Spoon, J., Hochgraf, A., King-Casas, B., & **Bell, M.A.** (2016, April). Effortful control vs. executive functioning related to psychopathology in childhood and adolescence. Poster presented at Society for Research on Adolescence, Baltimore.

#### **SfN 2015**

Orloff, M.A., Coffman, M.C., Trubanov, A., Ruloff, M., White, S.W., Gracanin, D., Kim, I., Bell, M.A., LaConte, S.M., & Richey, J.A. (2015, October). Increased dorsomedial prefrontal cortex and precuneus activation precede correct emotion identification. Poster presented at Society for Neuroscience, Chicago.

#### **SPR 2015**

**Bell, M.A.**, Diaz, A., & Calkins, S.D. (2015, September/October). Infant frontoparietal functional connectivity, maternal interaction style, and risk for anxiety in early childhood. Poster presented at Society for Psychophysiological Research, Seattle.

Ross, A., & **Bell, M.A.**, (2015, September/October). As difference as day and night: EEG and cognition predict executive function development from 24 to 36 months. Poster presented at Society for Psychophysiological Research, Seattle.

Spangler, D., **Bell, M.A.**, Deater-Deckard, K., & Friedman, B.H. (2015, September/October). Emotion suppression moderates the quadratic association between RSA and executive function. Poster presented at Society for Psychophysiological Research, Seattle.

#### **Pangborn 2015**

Walsh, A.M., Duncan, S.E., **Bell, M.A.**, & Gallagher, D. (2015, August). Implicit and explicit emotional responses to food spoilage in a breakfast meal. Poster presented at Pangborn ' Sensory Science Symposium, Gothenburg, Sweden.

#### **ISDP 2015**

Bacher, L.F., Retz, S., Lindon, C., & **Bell, M.A.** (2015, July). Individual differences in spontaneous eye blinking are linked to frontal asymmetry in human infants. Poster at the International Society for Developmental Psychobiology, San Sebastian, Spain.

#### **APS 2015**

Li, M., Chary, C.M., Deater-Deckard, K., & **Bell, M.A.** (2015, May). Maternal attribution bias and negative parenting: The moderating role of multi-faceted emotion regulation. Poster presented at the Association for Psychological Science, New York.

#### **SRCD 2015**

**Bell, M.A.**, Norton, A., Ulrich, C., Cate, A., & Patton, L.A. (2015, March). Mathematical ways of operating: An EEG study with 6<sup>th</sup> graders. Poster presented at the Society for Research in Child Development, Philadelphia.

Blankenship, T., Patton, L., Nancarrow, A., & **Bell, M.A.** (2015, March). Frontal-temporal coherence and executive functions contribute to active and passive memory performance in middle childhood. Poster presented at the Society for Research in Child Development, Philadelphia.

Bryant, L., Cuevas, K., **Bell, M.A.**, & Calkins, S.D. (2015, March). Associations between heart rate and executive function change as a function of temperament during early childhood. Poster presented at the Society for Research in Child Development, Philadelphia.

Li, M., Deater-Deckard, K., & **Bell, M.A.** (2015, March). Multi-faceted emotion regulation, stress, and affect in mothers of young children. Poster presented at the Society of Research in Child Development, Philadelphia.

Mazursky-Horowitz, H., **Bell, M.A.**, & Deater-Deckard, K. (2015, March). The role of parental chronic stressors and executive functioning in predicting parental scaffolding. Poster presented at the Society for Research in Child Development, Philadelphia.

Nancarrow, A., & **Bell, M.A.** (2015, March). School readiness at age four: Differential predictors for math and reading. Poster presented at the Society for Research in Child Development, Philadelphia.

- Patton, L., **Bell, M.A.**, & Smith, C. (2015, March). Problem-solving skills at age four: Contributions of child executive function skills and parenting behaviors. Poster presented at the Society for Research in Child Development, Philadelphia.
- Perry, N., Calkins, S., & **Bell, M.A.** (2015, March). Indirect effects of maternal sensitivity on infant emotion regulation behaviors: The role of vagal regulation. Poster presented at the Society for Research in Child Development, Philadelphia.
- Rajan, V., Cuevas, K., & **Bell, M.A.** (2015, March). An electrophysiological investigation of Relational memory binding development. Poster presented at the Society for Research in Child Development, Philadelphia.
- Ross, A., & **Bell, M.A.** (2015, March). As different as day and night: Executive function development from 24 to 36 months. Poster presented at the Society for Research in Child Development, Philadelphia.
- Whedon, M., Calkins, S., & **Bell, M.A.** (2015, March). Longitudinal changes in EEG coherence across infancy and early childhood: Implications for the development of attention networks. Poster presented at the Society for Research in Child Development, Philadelphia.
- Wolfe, C., & **Bell, M.A.** (2015, March). Task-related physiological change for shy and non-shy children at age four: Differences in HRV and EEG coherence. Poster presented at the Society for Research in Child Development, Philadelphia.
- Zeytinoglu, S., Calkins, S., & **Bell, M.A.** (2015, March). Infant attentional control skills moderate the influence of maternal responsiveness on the development of response inhibition. Poster presented at the Society for Research in Child Development, Philadelphia.

#### **ABAIAC 2015**

- Hora, M.K., Scarpa, A., Swain, D., Bortz, B., Bradburn, I., **Bell, M.A.**, Knapp, R.B. (2015, January). Development of a device to measure frustrative autonomic arousal in children with Autism Spectrum Disorder. Poster presented at the Association for Behavior Analysis International Autism Conference, Las Vegas, NV.

#### **ISDP 2014**

- Bacher, L.F., Retz, S., Dailey, T., & **Bell, M.A.** (2014, November). Individual differences in spontaneous eye blinking are linked to frontal asymmetry in human infants. Poster presented at the International Society for Developmental Psychobiology, Washington DC.
- Blankenship, T.L., & **Bell, M.A.** (2014, November). Executive functions contribute to active relative to passive processing during an episodic memory task. Poster presented at the International Society for Developmental Psychobiology, Washington DC.
- Bell, M.A.**, Diaz, A., Cuevas, K., Rajan, V., & Calkins, S.D. (2014, November). Infant temperament, attention and functional connectivity, but not maternal sensitivity, predict infancy negative affect at 5 months. Poster presented at the International Society for Developmental Psychobiology, Washington DC.
- Bryant, L.J., Cuevas, K., **Bell, M.A.**, & Calkins, S.D. (2014, November). Contributions of frontal-parietal coherence and maternal caregiving to child executive function. Poster presented at the International Society for Developmental Psychobiology, Washington DC.

#### **ICIS 2014**

- Bell, M.A.**, Kim-Spoon, J., & Patton, L. (2014, July). Infant frontal EEG power and coherence predict executive function performance at age 4. Poster presented at International Conference on Infant Studies, Berlin.
- Blankenship, T., Patton, L., & **Bell, M.A.** (2014, July). Infant EEG and mother-infant interactions predict explicit memory performance at 36 months. Poster presented at International Conference on Infant Studies, Berlin.
- Cuevas, K., **Bell, M.A.**, Bryant, L., Rajan, V., & Calkins, S. (2014, July). Transitions in the patterns of frontal activation during self-regulation: A longitudinal analysis from 5 to 10 months of age. Poster presented at International Conference on Infant Studies, Berlin.
- O'Neill, M., & **Bell, M.A.** (2014, July). Infancy temperament measures predict recognition memory in 24 months. Poster presented at International Conference on Infant Studies, Berlin.

#### **OHBM 2014**

- Cate, A., Rosen, A., Bell, M. A., Ulrich, C., Roldan, S. M., & Norton, A. (June, 2014). Mathematical

ways of operating: An fMRI study with 12-year-old participants. Poster presented at Organization for Human Brain Mapping Annual Meeting. Hamburg.

### **SSCFD 2014**

Whedon, M., Calkins, S.D., & **Bell, M.A.** (2014, February). Brain electrical activity during cognitive and emotional processes: The importance of hemispheric cooperation. Southeastern Symposium on Child and Family Development, Knoxville, TN.

### **ISDP 2013**

**Bell, M.A.**, & Deater-Deckard, K. (2013, November). Dyadic frontal EEG asymmetry and RSA during a mother-child teaching task. Poster presented at the International Society for Developmental Psychobiology, San Diego.

Cuevas, K., Deater-Deckard, K., Kim-Spoon, J., & **Bell, M.A.** (2013, November). Contributions of maternal caregiving and child executive function to early reading and math skills. Poster presented at the International Society for Developmental Psychobiology, San Diego.

### **APS 2013**

Bacher, L.F., McDermott, C., Campbell, S., Sawkowsky, C., Daddario, A., Daily, T., Retz, S., & **Bell, M.A.** (2013, May). Spontaneous eye blinking rate related to performance on a working memory task in human infants. Poster presented at Association for Psychological Science, Washington DC.

**Bell, M.A.**, Deater-Deckard, K., Patton, L., & Hubble, M. (2013, May). Mothers and three year olds: Dyadic frontal EEG asymmetry during a teaching task. Poster presented at Association for Psychological Science, Washington DC.

Blankenship, T., & **Bell, M.A.** (2013, May). Facilitation of infant attention is predictive of later attentional shifting. Poster presented at Association for Psychological Science, Washington DC.

Richey, J.A., Gracanin, D., White, S.W., LaConte, S., **Bell, M.A.**, & Valdespino, A. (2013, May). Prototype development and preliminary testing of a brain-computer-interface (BCI) device to facilitate facial emotion recognition. Poster presented at Association for Psychological Science, Washington DC.

### **SRCD 2013**

**Bell, M.A.**, Cuevas, K., Diaz, A., Calkins, S.D., Marcovitch, S., & Swingler, M.S. (2013, April). Behavioral and electrophysiological indices of negative affect in different contexts during infancy. Poster presented at Society for Research in Child Development, Seattle.

Blankenship, T., Watson, A.J., & **Bell, M.A.** (2013, April). Contributions of executive function and verbal IQ to reading and math readiness at age 4. Poster presented at Society for Research in Child Development, Seattle.

Chen, N., Deater-Deckard, K., & **Bell, M.A.** (2013, April). Temperament and family environment transactions in the etiology of child behavior problems. Poster presented at Society for Research in Child Development, Seattle.

Cuevas, K., Raj, V., & **Bell, M.A.** (2013, April). A longitudinal analysis of episodic memory from 3 to 4 years of age. Poster presented at Society for Research in Child Development, Seattle.

Deater-Deckard, K., Wang, Z., & **Bell, M.A.** (2013, April). How do happy mothers parent: The role of physiological regulation and family context. Poster presented at Society for Research in Child Development, Seattle.

El Mallah, S., Wang, Z., Deater-Deckard, K., & **Bell, M.A.** (2013, April). Vagal control predicts mother's reappraisal of emotion. Poster presented at Society for Research in Child Development, Seattle.

Fettig, N., Howarth, G., Curby, T., & **Bell, M.A.** (2013, April). Infant EEG asymmetry predicts toddler soothability. Poster presented at Society for Research in Child Development, Seattle.

Howarth, G., Fettig, N., Curby, T., & **Bell, M.A.** (2013, April). EEG asymmetry and surgency across infancy and early childhood. Poster presented at Society for Research in Child Development, Seattle.

Raj, V., Cuevas, K., & **Bell, M.A.** (2013, April). Source memory development in middle childhood:

Contributions from brain electrical activity and executive functions. Poster presented at Society for Research in Child Development, Seattle.

Watson, A.J., Hubble, M., & **Bell, M.A.** (2013, April). Maternal attention facilitating and infant surgency interact to predict kindergarten attention focusing. Poster presented at Society for Research in Child Development, Seattle.

Wolfe, C.D., Wills, K., & **Bell, M.A.** (2013, April). Baseline-to-task EEG power differences as a function of shyness and executive function task performance. Poster presented at Society for Research in Child Development, Seattle.

### **CVC SfN 2013**

Diaz, A., & **Bell, M.A.** (2013, March). What role do frontal EEG asymmetry, maternal observations, and memory play in early developing fear? Poster presented at Central Virginia Chapter of Society for Neuroscience.

Watson, A.J., & **Bell, M.A.** (2013, March). High-performing three-year-old children show different EEG patterns than children who perform poorly on a task of inhibitory control. Poster presented at Central Virginia Chapter of Society for Neuroscience.

### **Gatlinburg Conference 2013**

Lorenzi, J., Patriquin, M.A., Scarpa, A., & Bell, A. (2013, March). Early developmental trajectories of respiratory sinus arrhythmia: Marker of social functioning. Poster presented at the Gatlinburg Conference. San Antonio, Texas.

### **SPR 2012**

**Bell, M.A.**, Cuevas, K., & Diaz, A., (2012, September). Functional connectivity and top-down regulation of stress during infancy. Poster presented at Society for Psychophysiological Research, New Orleans.

### **ICIS 2012**

**Bell, M.A.**, Diaz, A., Kraybill, J.H., Marcovitch, S., & Calkins, S.D. (2012, June). Functional connectivity and top-down regulation of threat during infancy. Poster presented at International Conference on Infant Studies, Minneapolis.

Cuevas, K., Raj, V., & **Bell, M.A.** (2012, June). Individual differences in 5-month-olds' visual attention predict future executive functions. Poster presented at International Conference on Infant Studies, Minneapolis.

Howarth, G.Z., Fetig, N.B., Perez-Edgar, K., & **Bell, M.A.** (2012, June). Early stability in frontal EEG asymmetry shapes infant temperament. Poster presented at International Conference on Infant Studies, Minneapolis.

Hubble, M., Morasch, K., Watson, A.J., & **Bell, M.A.** (2012, June). Correlates of recall, recognition, and language at ages 2 and 3. Poster presented at International Conference on Infant Studies, Minneapolis.

Patton, L.A., **Bell, M.A.**, Marcovitch, S., & Calkins, S.D., (2012, June). Communicative gestures in infancy and the relationship with cognition. Poster presented at International Conference on Infant Studies, Minneapolis.

Watson, A.J., Hubble, M., Morasch, K., & **Bell, M.A.** (2012, June). Infant EEG and toddler temperament predict 36-month-old cognitive task performance. Poster presented at International Conference on Infant Studies, Minneapolis.

### **APS 2012**

Chen, N., Wang, Z., **Bell, M.A.**, & Deater-Deckard, K. (2012, May). Parenting and child maladjustment: Moderating effects of self-regulation and chaos. Poster presented at Association for Psychological Science, Chicago.

McClelland, Wang, Z., Chen, N., **Bell, M.A.**, & Deater-Deckard, K. (2012, May). Parental attribution bias and behavior: The moderating effect of household chaos. Poster presented at Association for Psychological Science, Chicago.

Reyes, N., Diaz, A., Hubble, M., **Bell, M.A.** (2012, May). Predictors of social competence: Temperamental inhibitory control and negative affect in 24 month olds. Poster presented at Association for Psychological Science, Chicago.

Reyes, N., Kraybill, J., Choi, J., & **Bell, M.A.** (2012, May). I can help you and I can empathize with you: The role of temperament in prosocial behaviors in 3 year olds. Poster

presented at Association for Psychological Science, Chicago.

Wang, Z., Chen, N., **Bell, M.A.**, & Deater-Deckard, K. (2012, May). Maternal attributes moderate the link between child difficult behaviors and harsh parenting. Poster presented at Association for Psychological Science, Chicago.

### **SfN 2011**

Adkins, D.R., & **Bell, M.A.** (2011, November). Are all Stroop tasks created equal? EEG activation suggests not. Poster presented at Society for Neuroscience, Washington DC.

### **ISDP 2011**

Cuevas, K., Raj, V., & Bell, M. (2011, November). Two-year-olds exhibit EEG theta synchronization during a memory task. Poster presented at International Society for Developmental Psychobiology, Washington DC.

Diaz, A., & **Bell, M.A.** (2011, November). Infant fear reactivity: Frontal EEG asymmetry and maternal ratings. Poster presented at International Society for Developmental Psychobiology, Washington DC.

Kraybill, J.H., & **Bell, M.A.** (2011, November). Hot and cool executive function at ages 2 and 3. Poster presented at International Society for Developmental Psychobiology, Washington DC.

Raj, V., Cuevas, K., & **Bell, M.A.** (2011, November). An electrophysiological investigation of attention and inhibitory control in middle childhood. Poster presented at International Society for Developmental Psychobiology, Washington DC.

Watson, A., Hubble, M., & **Bell, M.A.** (2011, November). An investigation of three types of inhibitory control in three-year-old children. Poster presented at International Society for Developmental Psychobiology, Washington DC.

### **SRCD 2011**

Beekman, C., Deater-Deckard, K., Wang, Z., & **Bell, M.A.** (2011, April). Maternal self-regulation and harsh parenting: The role of executive attention and working memory. Poster presented at Society for Research in Child Development, Montreal.

**Bell, M.A.**, Deater-Deckard, K., Morasch, K.C., Marburg, L., Hubble, M., & Watson, A. (2011, April). Attention and memory associations in mother / preschooler dyads. Poster presented at Society for Research in Child Development, Montreal.

Chatley, N., Swingler, M.M., Marcovitch, S., Calkins, S.D., & **Bell, M.A.** (2011, April). Controlling your emotion leads to improved inhibitory control. Poster presented at Society for Research in Child Development, Montreal.

Cuevas, K., & **Bell, M.A.** (2011, April). Episodic memory at 3 years of age: The hide-and-seek task. Poster presented at Society for Research in Child Development, Montreal.

Cuevas, K., & **Bell, M.A.** (2011, April). Two-year-olds exhibit changes in EEG power and coherence during a memory task: Baseline, encoding, and retrieval. Poster presented at Society for Research in Child Development, Montreal.

Deater-Deckard, K., Wang, Z., Kelinsky, L., & **Bell, M.A.** (2011, April). Maternal self-regulation of negativity and child conduct problems. Poster presented at Society for Research in Child Development, Montreal.

Diaz, A., & **Bell, M.A.** (2011, April). The role of child and maternal behaviors on noncompliance. Poster presented at Society for Research in Child Development, Montreal.

Greene, D., Wilson, L.C., & **Bell, M.A.** (2011, April). Examining working memory and inhibitory control in late childhood and adulthood. Poster presented at Society for Research in Child Development, Montreal.

Hubble, M., Cuevas, K., & **Bell, M.A.** (2011, April). Pre-school predictors of school-age executive function. Poster presented at Society for Research in Child Development, Montreal.

Lusby, C.M., Goodman, S.H., & **Bell, M.A.** (2011, April). Perinatal depression exposure and stability of infant EEG patterns. Poster presented at Society for Research in Child Development, Montreal.

Mullineaux, P., Deater-Deckard, K., Wang, Z., & **Bell, M.A.** (2011, April). Maternal cognitive self-regulation and household chaos: Moderation by socioeconomic status. Poster

presented at Society for Research in Child Development, Montreal.

Raj, V., & **Bell, M.A.** (2011, April). An electrophysiological comparison of item and source memory processing in 4- and 6-year-old children. Poster presented at Society for Research in Child Development, Montreal.

Raj, V., Cuevas, K., Calkins, S.D., Marcovitch, S., & **Bell, M.A.** (2011, April). Electrophysiological changes in working memory and recognition memory at 5 and 10 months: Evidence from EEG power and coherence. Poster presented at Society for Research in Child Development, Montreal.

Versele, J., Wolfe, C.D., Morasch, K.C., Hubble, M., & **Bell, M.A.** (2011, April). Early parent-child interactions and later executive function skills. Poster presented at Society for Research in Child Development, Montreal.

Watson, A., Hubble, M., & **Bell, M.A.** (2011, April). An investigation of motoric inhibitory control in three-year-old children. Poster presented at Society for Research in Child Development, Montreal.

### **OTC 2010**

Diaz, A., & **Bell, M.A.** (2010, October). The role of infant maternal behaviors on later child negative affect. Poster presented at the Occasional Temperament Conference, Brunswick, ME.

Versele, J., Hubble, M., & **Bell, M.A.** (2010, October). Maternal behavior in infancy as a predictor of effortful control in kindergarten. Poster presented at the Occasional Temperament Conference, Brunswick, ME.

### **ICIS 2010**

**Bell, M.A.**, Hubble, M., & Morasch, K.C. (2010, March). Correlates of two different Stroop-like inhibitory control tasks for 24-month-olds. Poster presented at International Conference on Infant Studies, Baltimore.

Cuevas, K., Morasch, K.C., & **Bell, M.A.** (2010, March). Recognition and recall memory performance at 24 months: Individual differences and continuous EEG. Poster presented at International Conference on Infant Studies, Baltimore.

Day, K.L., Smith, C.L., & **Bell, M.A.** (2010, March). Understanding toddler emotion regulation: The role of verbal ability. Poster presented at International Conference on Infant Studies, Baltimore.

Diaz, A., & **Bell, M.A.** (2010, March). Temperament-related fear reactivity in infancy: EEG and recognition memory. Poster presented at International Conference on Infant Studies, Baltimore.

Hubble, M., Morasch, K.C., & **Bell, M.A.** (2010, March). Associations between maternal intrusiveness and toddler behavior. Poster presented at International Conference on Infant Studies, Baltimore.

Lusby, C.M., Goodman, S.H., & **Bell, M.A.** (2010, March). EEG asymmetry in infants of depressed mothers across age and context. Poster presented at International Conference on Infant Studies, Baltimore.

Marcovitch, S., Calkins, S.D., Patterson, T.K., Curtis, E.B., & **Bell, M.A.** (2010, March). Attention, but not novelty preference, in 10-month-olds predicts performance on a visual A-not-B task. Poster presented at International Conference on Infant Studies, Baltimore.

Marcovitch, S., Calkins, S.D., Patterson, T.K., Curtis, E.B., & **Bell, M.A.** (2010, March). Novelty preference at 5 months predicts attention at 10 months. Poster presented at International Conference on Infant Studies, Baltimore.

Morasch, K.C., & **Bell, M.A.** (2010, March). Associations between baseline EEG power and maternal-report of temperament in 2-year-olds. Poster presented at International Conference on Infant Studies, Baltimore.

Raj, V., & **Bell, M.A.** (2010, March). The role of temperamental inhibitory control and impulsivity on 2-year working memory performance. Poster presented at International Conference on Infant Studies, Baltimore.

Versele, J., Cardell, A.M., Morasch, K.C., & **Bell, M.A.** (2010, March). Temperament

correlations with abstract and motivationally significant executive functions from infancy through early childhood. Poster presented at International Conference on Infant Studies, Baltimore.

Watson, A.J., Morasch, K.C., Cardell, A.M., & **Bell, M.A.** (2010, March). An investigation of inhibitory control in early development. Poster presented at International Conference on Infant Studies, Baltimore.

#### **ABRCMS 2009**

Diaz, A., Morasch, K.C., & **Bell, M.A.** (2009, November). EEG differences in infant visual processing speed during attention and distress. Poster presented at Annual Biomedical Research Conference for Minority Students, Phoenix, AZ.

#### **ISDP 2009**

**Bell, M.A.**, Raj, V., Greene, D.R., & Wolfe, C.D. (2009, October). Individual differences in executive attention at age 8. Poster presented at the International Society for Developmental Psychobiology, Chicago.

Diaz, A., & **Bell, M.A.** (2009, October). Frontal EEG asymmetry: Social and non-social temperamental fear reactivity at 10 months. Poster presented at the International Society for Developmental Psychobiology, Chicago.

Raj, V., & **Bell, M.A.** (2009, October). An electrophysiological investigation of source memory development in early childhood. Poster presented at the International Society for Developmental Psychobiology, Chicago.

#### **SRCD 2009**

**Bell, M.A.**, & Morasch, K.C. (2009, April). A Stroop-like inhibitory control task for 2-year-olds. Poster presented at the Society for Research in Child Development, Denver.

Diaz, A., Wolfe, C.D., Morasch, K.C., & **Bell, M.A.** (2009, April). Look duration and qualitative differences in self-regulation at 5 months: Distraction vs. mother orienting. Poster presented at the Society for Research in Child Development, Denver.

Raj, V.R., Cardell, A.M., & **Bell, M.A.** (2009, April). Frontal and temporal dissociations in EEG activity during explicit and working memory tasks in 36-month-old children. Poster presented at the Society for Research in Child Development, Denver.

Wolfe, C.D., Adkins, D.R., & **Bell, M.A.** (2009, April). Associations between cognitive processing and shyness from 8-months to 8-years of age. Poster presented at the Society for Research in Child Development, Denver.

#### **ISDP 2008**

**Bell, M.A.**, & Morasch, K.C. (2008, November). Correlates of toddler performance on a Stroop-like inhibitory control task. Poster presented at International Society for Developmental Psychobiology, Washington, DC.

Diaz, A., Morasch, K.C., & **Bell, M.A.** (2008, November). Gender differences in temperament at 24 months: Inhibitory control, attention, and frontal EEG activation. Poster presented at International Society for Developmental Psychobiology, Washington, DC.

Morasch, K.C., & **Bell, M.A.** (2008, November). Frontal and temporal EEG and declarative memory in 10-month-olds. Poster presented at International Society for Developmental Psychobiology, Washington, DC.

Polejaeva, L., Morasch, K.C., & **Bell, M.A.** (2008, November). Working memory correlations from infancy to toddlerhood and early childhood. Poster presented at International Society for Developmental Psychobiology, Washington, DC.

Raj, V., Morasch, K.C., & **Bell, M.A.** (2008, November). Prediction of working memory and inhibitory control performance in 24-month-old children. Poster presented at International Society for Developmental Psychobiology, Washington, DC.

#### **ABCT 2008**

Salley, B.J., Rezendes, D., Scarpa, A., Morasch, K.C., & **Bell, M.A.** (2008, November). Autistic features in a non-clinical sample: Social responsiveness and temperament profiles. Poster presented at Association for Behavioral & Cognitive Therapies, Orlando, FL.

#### **ABRCMS 2008**

Diaz, A., & **Bell, M.A.** (2008, November). Physiological and behavioral gender differences at 5-



months: Look duration and emotion regulation. Poster presented at Annual Biomedical Research Conference for Minority Students, Orlando, FL.

### **ICIS 2008**

**Bell, M.A.**, Wolfe, C.D., Morasch, K.C., & Cardell, A.M. (2008, March). EEG activity during developmentally appropriate working memory tasks at 5, 10, 24, and 36 months. Poster presented at International Conference on Infant Studies, Vancouver, BC.

Cardell, A.M., Morasch, K.C., & **Bell, M.A.** (2008, March). Individual differences in short-term memory: The role of language development and verbal encoding. Poster presented at International Conference on Infant Studies, Vancouver, BC.

Diaz, A., Morasch, K.C., Wolfe, C.D., & **Bell, M.A.** (2008, March). Maternal-rated sex differences in emotion at 10 months: Infant self-regulation and frontal EEG asymmetry. Poster presented at International Conference on Infant Studies, Vancouver, BC.

Raj, V., Morasch, K.C., Wolfe, C.D., & **Bell, M.A.** (2008, March). A comparison of electrophysiological activity during working memory and recognition memory in 5 & 10 month old infants. Poster presented at International Conference on Infant Studies, Vancouver, BC.

Salley, B., Scarpa, A., Morasch, K.C., & **Bell, M.A.** (2008, March). Infant and child temperament correlates of social responsiveness at age 4. Poster presented at International Conference on Infant Studies, Vancouver, BC.

Wolfe, C.D., & **Bell, M.A.** (2008, March). The developmental relation between cognitive ability and shyness. Poster presented at International Conference on Infant Studies, Vancouver, BC.

### **SPR 2007**

**Bell, M.A.** (2007, October). Developmental trajectories of working memory performance and frontal EEG between 5 and 10 months of age. Poster presented at the Society for Psychophysiological Research, Savannah, GA.

### **APS 2007**

**Bell, M.A.**, Deater-Deckard, K., Morasch, K.C., & Wolfe, C.D. (2007, May). Frontal EEG and temperament correlates of working memory in mothers and toddlers. Poster presented at the Association for Psychological Science, Washington, DC.

Bradburn, I., Cardell, A.M., **Bell, M.A.**, & Gerrard, L. (2007, May). Sensory reactivity predicts Lower regulation in three-year-olds. Poster presented at the Association for Psychological Science, Washington, DC.

Morasch, K.C., **Bell, M.A.**, & Deater-Deckard, K. (2007, May). Different patterns of frontal and temporal EEG activity associated with explicit memory. Poster presented at the Association for Psychological Science, Washington, DC.

### **SRCD 2007**

**Bell, M.A.**, Morasch, K.C., & Wolfe, C.D. (2007, March). Individual differences in cognition at 24months: Contributions from self-regulatory factors at 10 and 24 months. Poster presented at the Society for Research in Child Development, Boston.

Buonomano, L.C., Morasch, K.C., Cardell, A., & **Bell, M.A.** (2007, March). Factors associated with success and failure on the Dimensional Change Card Sort in 2- and 3-year-old children. Poster presented at the Society for Research in Child Development, Boston.

Cardell, A., Wolfe, C.D., & **Bell, M.A.** (2007, March). Quality of mother-infant interaction is associated with memory and language skills in early childhood. Poster presented at the Society for Research in Child Development, Boston.

Doxie, J.L., Hannessdottir, D., **Bell, M.A.**, Ollendick, T.H., & Whitmore, M. (2007, March). A longitudinal study of frontal asymmetries and affect adjustment. Poster presented at the Society for Research in Child Development, Boston.

Morasch, K.C., & **Bell, M.A.** (2007, March). EEG correlates of toddler recognition and recall memory performance. Poster presented at the Society for Research in Child Development, Boston.

Morasch, K.C., & **Bell, M.A.** (2007, March). The central role of 2-year-old inhibitory control:

Relations among cognition, emotion, and brain-electrical activity. Poster presented at the Society for Research in Child Development, Boston.

Smith, C.L., **Bell, M.A.**, Morasch, K.C., & Wolfe, C.D. (2007, March). Stability in frontal lobe asymmetry as a predictor of toddlerhood internalizing and externalizing behaviors. Poster presented at the Society for Research in Child Development, Boston.

#### **ISDP 2006**

Buonomano, L., Morasch, K.C., & **Bell, M.A.** (2006, October). Performance of two-year-old children on the Dimensional Change Card Sort Task. Poster presented at the International Society for Developmental Psychobiology, Atlanta.

Morasch, K.C., & **Bell, M.A.** (2006, October). Relations between infant brain electrical activity and toddler recognition memory. Poster presented at the International Society for Developmental Psychobiology, Atlanta.

#### **ICIS 2006**

**Bell, M.A.**, Wolfe, C.D., Morasch, K.C., & Cardell, A.M. (2006, June). Self regulation and individual differences in infant cognition. Poster presented at the International

Cardell, A.M., & **Bell, M.A.** (2006, June). Development of language and memory in 3-year-olds. Poster presented at the International Conference on Infant Studies, Kyoto, Japan. Conference on Infant Studies, Kyoto, Japan.

Morasch, K.C., & **Bell, M.A.** (2006, June). Differential patterns of frontal EEG and novelty preferences in 10-month-old infants. Poster presented at the International Conference on Infant Studies, Kyoto, Japan.

Smith, C.L., **Bell, M.A.**, Wolfe, C.D., & Morasch, K.C. (2006, June). Infant EEG as a predictor of toddlerhood behavior problems. Poster presented at the International Conference on Infant Studies, Kyoto, Japan.

#### **NYAS 2006**

Kim, K.J., & **Bell, M.A.** (2006, February). Frontal EEG asymmetry and regulation during childhood. Poster presented at the New York Academy of Sciences Meeting "Resilience in Children", Arlington, VA.

#### **ISDP 2005**

Adkins, D.R., & **Bell, M.A.** (2005, November). An investigation of attention in middle childhood. Poster presented at the International Society for Developmental Psychobiology, Washington, DC.

**Bell, M.A.** (2005, November). Individual differences in spatial working memory during infancy: Contributions from EEG, ECG, and temperament. Poster presented at the International Society for Developmental Psychobiology, Washington, DC.

Cardell, A.M., & **Bell, M.A.** (2005, November). The emergence of emotion regulation strategies during infancy: Contributions from infant temperament and maternal behaviors. Poster presented at the International Society for Developmental Psychobiology, Washington, DC.

Morasch, K.C., & **Bell, M.A.** (2005, November). Relations among spatial working memory, recognition memory, and explicit memory in 12-month-old infants. Poster presented at the International Society for Developmental Psychobiology, Washington, DC.

#### **ABCT 2005**

Horsch, L.M., Wolfe, C.D., **Bell, M.A.**, & Ollendick, T.H. (2005, November). EEG correlates of behavioral inhibition in young children: Frontal activation during a social interaction task. Poster presented at the Association for Behavioral and Cognitive Therapies, Washington, D.C.

#### **APA 2005**

Adkins, D.R., & **Bell, M.A.** (2005, August). Regulatory processes and the interactions between emotion and cognition. Poster presented at the American Psychological Association, Washington, DC.

Morasch, K.C., & **Bell, M.A.** (2005, August). Electrophysiological correlates of deferred imitation in 12-month-olds infants. Poster presented at the American Psychological Association, Washington, DC.

**SRCD 2005**

Adkins, D.R., & **Bell, M.A.** (2005, April). Individual differences in spatial memory at 12 months of age: Contributions from walking experience and brain electrical activity. Poster presented at the Society for Research in Child Development, Atlanta.

Morasch, K.C., & **Bell, M.A.** (2005, April). Visual recognition and brain electrical activity in 5- and 10-month-old infants. Poster presented at the Society for Research in Child Development, Atlanta.

Wolfe, C.D., & **Bell, M.A.** (2005, April). Executive functioning in 3.5-, 4-, and 4.5-year-old children. Poster presented at the Society for Research in Child Development, Atlanta.

**APA 2004**

**Bell, M.A.**, & Wolfe, C.D. (2004, July). Infant predictors of individual differences in working memory during childhood. Poster presented at the American Psychological Association, Honolulu.

**ISDP 2004**

Morasch, K.C., & **Bell, M.A.** (2004, June). Frontal and temporal EEG differences and novelty preferences in 5-month-old infants. Poster presented at the joint meetings of the Behavioral Genetics Association and the International Society for Developmental Psychobiology, Aix-en-Provence, France.

**ICIS 2004**

Adkins, D.A., Clory, T., & **Bell, M.A.** (2004, May). Associations between locomotor experience and spatial search performance in 12-month-old infants. Poster presented at the International Conference in Infant Studies, Chicago.

Wolfe, C.D., & **Bell, M.A.** (2004, May). Differential temperament associations found for the looking and reaching versions of an infant spatial working memory task. Poster presented at the International Conference on Infant Studies, Chicago.

**SRCD 2003**

**Bell, M.A.** (2003, April). Looking versus reaching: A longitudinal investigation of infant working memory and EEG. Poster presented at the Society for Research in Child Development, Tampa.

**SPR 2002**

**Bell, M.A.**, & Wolfe-Collie, C. (2002, October). 6-9 Hz EEG synchronization during cognitive processing at 8 months and 4 years. Poster presented at the Society for Psychophysiological Research, Washington DC.

**ICIS 2002**

**Bell, M.A.** (2002, April). Associations between temperament and cognitive processing during infancy. Poster presented at the International Conference on Infant Studies, Toronto.

Cooper, R.P., & **Bell, M.A.** (2002, April). Infant-directed speech produces differential activation of cortical areas in 8-month-old infants. Poster presented at the International Conference on Infant Studies, Toronto.

Wolfe, C., & **Bell, M.A.** (2002, April). The development of attentional dimensions of temperament and inhibitory control: Infancy to four years of age. Poster presented at the International Conference on Infant Studies, Toronto.

**SRCD 2001**

Reed, L.I., Roberts, J.E., & **Bell, M.A.** (2001, April). Heart period variability during cognitive processing in 8-year-old children. Poster presented at the Society for Research in Child Development, Minneapolis.

**ICIS 2000**

**Bell, M.A.** (2000, July). Looking vs. reaching: Individual differences in EEG and heart rate from 5 to 10 months. Poster presented at the International Conference on Infant Studies, Brighton, UK.

Roberts, J.E., & **Bell, M.A.** (2000, July). Focused attention in 8-month-old infants: Sex differences and context differences in examination and mouthing. Poster presented at the International Conference on Infant Studies, Brighton, UK.

**CDS 1999**

**Bell, M.A.** (1999, October). Reaching vs. looking: A longitudinal investigation of object permanence performance. Poster presented at the inaugural meeting of the Cognitive Development Society, Chapel Hill, NC.

**SRCD 1999**

**Bell, M.A.** (1999, April). Changes in vagal tone associated with frontal EEG and A-not-B performance from 7 to 12 months. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque.

**Bell, M.A.** (1999, April). Frontal EEG effects associated with temperament and A-not-B performance at 8 months. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque.

**SPR 1988**

**Bell, M.A.** (1998, September). Search for valid infant EEG rhythms: Factor analysis of power data. Poster presented at the annual meeting of the Society for Psychophysiological Research, Denver.

**Bell, M.A.** (1998, September). Infant 6-9 Hz EEG synchronization during a memory task. Poster presented at the annual meeting of the Society for Psychophysiological Research, Denver.

**APS 1998**

**Roberts, J.E., Bell, M.A., & Carlsen, R.M.** (1998, May). Sex differences on a computerized mental rotation task disappear with computer familiarization. Poster presented at American Psychological Society, Washington DC.

**ICIS 1998**

**Roberts, J.E., Bell, M.A., & Pope, S.** (1998, April). Infant displacement and table displacement object search skills in infants 8 & 10 months of age. Poster presented at International Conference on Infant Studies, Atlanta.

**ISDP 1997**

**Bell, M.A.** (1997, October). Individual differences in frontal and parietal EEG in 8-month-old infants during a looking version of the A-not-B task. Poster presented at the International Society for Developmental Psychobiology, New Orleans.

**SRCD 1997**

**Bell, M.A., & Adams, S.E.** (1997, April). Looking versus reaching: Sex differences in object permanence performance. Poster presented at Society for Research in Child Development, Washington DC.

**SPR 1996**

**Bell, M.A.** (1996, October). Frontal EEG activation in 8-month-old infants during a looking version of the classic A-not-B object permanence task. Poster presented at the Society for Psychophysiological Research, Vancouver.

**ICIS 1996**

**Bell, M.A.** (1996, April). Predicting object permanence performance at 8 months of age: The contributions of frontal EEG and locomotor experience. Poster presented at the International Conference on Infant Studies, Providence, RI.

**Bell, M.A.** (1996, April). The relation between locomotor experience and object search skills at 8.5 months of age. Poster presented at the International Conference on Infant Studies, Providence, RI.

**CCA 1996**

21) **West, R.L., & Bell, M.A.** (1996, April). Behavioral and electrophysiological evidence for preserved spatial attention in older adults. Poster presented at the Conference on Cognitive Aging, Atlanta.

**SPR 1995**

20) **Bell, M.A.** (1995, October). Locomotor experience and spatial displacement performance at 8 months of age: Behavioral and electrophysiological correlates. Poster presented at the Society for Psychophysiological Research, Toronto.

**SRCD 1995**

19) **Bell, M.A., & Schmauder, A.R.** (1995, April). Frontal lobe development from 6 to 10 months of

age: An EEG case study. Poster presented at the Society for Research in Child Development, Indianapolis.

#### **BUCLD 1994**

18) Schmauder, A.R., & **Bell, M.A.** (1994, November). EEG, brain, and language development. Paper presented at Boston University Conference on Language Development, Boston.

#### **SPR 1994**

17) **Bell, M.A.** (1994, October). EEG coherence reflects changes in cortical organization associated with crawling experience in human infants. Poster presented at the Society for Psychophysiological Research, Atlanta.

16) **Bell, M.A.**, & Schmauder, A.R. (1994, October). Electrophysiological correlates of language development during infancy: A case study. Poster presented at the Society for Psychophysiological Research, Atlanta.

#### **ICIS 1994**

15) **Bell, M.A.** (1994, June). Spatial cognition at 8 months is related to sustained attention and EEG coherence. Poster presented at International Conference for Infant Studies, Paris.

#### **SRCD 1993**

14) **Bell, M.A.** (1993, March). EEG correlates of object permanence and spatial cognition performance at 8 months of age. Poster presented at the Society for Research in Child Development, New Orleans.

#### **ICIS 1992**

13) **Bell, M.A.** (1992, May). AB task performance is related to frontal EEG asymmetry regardless of locomotor experience. Poster presented at the International Conference on Infant Studies, Miami Beach.

12) Marshall, T.R., & **Bell, M.A.** (1992, May). Fractal dimensionality and phase space analyses of human EEG in infants from 7 to 12 months. Poster presented at the International Conference on Infant Studies, Miami Beach.

#### **SRCD 1991**

11) **Bell, M.A.** (1991, April). Crying at maternal separation is related to sex differences in hemispheric maturation. Poster presented at the Society for Research in Child Development, Seattle.

#### **SPR 1990**

10) **Bell, M.A.**, Levav, M., & Fox, N.A. (1990, October). Personality correlates of EEG activation during verbal and spatial tasks. Poster presented at the Society for Psychophysiological Research, Boston.

#### **ICIS 1990**

9) **Bell, M.A.** (1990, April). Frontal EEG asymmetry is related to onset of locomotion and performance on 2-cloth task. Poster presented at the International Conference on Infant Studies, Montreal.

8) **Bell, M.A.**, & Luebering, A. (1990, April). Success at AB with delays is related to frontal EEG. Poster presented at the International Conference on Infant Studies, Montreal.

#### **APS 1989**

7) **Bell, M.A.**, & Fox, N.A. (1989, June). EEG correlates of the development of motor inhibition. Poster presented at the First Annual Convention of the American Psychological Society, Alexandria, VA.

#### **SPR 1988**

6) **Bell, M.A.**, & Fox, N.A. (1988, October). Developmental changes in the EEG from 7 to 12 months of age. Poster at the Society for Psychophysiological Research, San Francisco.

#### **ICIS 1988**

5) **Bell, M.A.**, Sutton, D.B., Luebering, A., & Aaron, N. (1988, April). The relationship between heart period variability and reactivity at 5 and 14 months of age. Poster presented at the International Conference on Infant Studies, Washington DC.

4) Sutton, D.B., **Bell, M.A.**, Luebering, A., & Aaron, N. (1988, April). Laboratory and maternal report measures of temperament and their relationships to heart period variability. Poster presented at the International Conference on Infant Studies, Washington DC.

**CHD 1988**

- 3) **Bell, M.A.**, Sutton, D.B., Luebering, A., & Aaron, N. (1988, March). Relationships among maternal-report of temperament, lab measures of reactivity, and heart period variability at 5 and 14 months. Poster presented at Conference on Human Development, Charleston, SC.
- 2) **Bell, M.A.**, & Torney-Purta, J. (1988, March). Preschool children's fearful reactions to a Halloween witch. Poster presented at the Conference on Human Development, Charleston, SC.

**THEA 1983**

- 1) **Bell, M.A.** (1983, April). Predictors of adolescents' romanticized attitudes toward parenthood. Poster presented at meeting of Tennessee Home Economics Association, Memphis.

## **Service**

### **Editor:**

*Infancy*, Editor (2008-13)

*Infancy*, Associate Editor (2003-08)

### **Guest Editor:**

*Infant Behavior and Development*, Guest Co-Editor with Christy D. Wolfe (2023), Special Issue on “The Interplay between Cognition and Emotion during Infancy and Toddlerhood”

*Early Education and Development*, Guest Co-Editor with Sandra Twardosz (2012), Special Issue on “Neuroscience Perspectives on Early Education”

### **Editorial Board:**

*Developmental Psychology* (1998–2004; 2022 - present)

*Developmental Psychobiology* (2019 – present)

*Cognitive Development* (2014 – present)

*Affective Science* (inaugural editorial board 2019 – 2022)

*Current Directions in Psychological Science* (2013 - 2019)

*Child Development* (2001–02)

*Infancy* (inaugural editorial board 1999-2003, 2013-18)

### **Grant Reviewing:**

#### **a) NIH**

Chair or member of standing study sections

Chair, CP (*Cognition & Perception*) study section, 2015-17

Member, CP study section, 2013-15

Member, PDRP (*Psychosocial Development, Risk, & Prevention*) study section, 2007-11

Chair of special emphasis panels

Chair, ZGM1 review panel on SuRE R16 applications for NIGMS, 2023

Chair, SCIL conflict panel, 2022

Chair, ZRG1 Special Emphasis panel for INCLUDE reviews for NICHD, 2021

Chair, Special Emphasis Panel for Infant Toolbox for NICHD, 2019

Chair, ZHD1 Special Emphasis Panel for P01 reviews for NICHD, 2013, 2014, 2015

Chair, ZHD1 Special Emphasis Panel for K23 reviews for NICHD, 2011, 2012

Guest reviewer for standing study sections and reviewer for their conflict panels

Reviewer, ZRG1 conflict panel for Communication, Motor Function, and Human Dev, 2024

Reviewer, CPDD study section conflict panel, 2008

Guest reviewer, CPDD study section, 2006

Guest reviewer, MESH study section, 2004, 2005, 2006

Guest reviewer, BDCN study section, 2004

Reviewer, PDRP study section conflict panel, 2004, 2005, 2006, 2012 (2 meetings), 2013

Guest reviewer, PDRP study section, 2003, 2004 (2 meetings), 2006

Reviewer for special emphasis panels

Reviewer, ZGM1 review panel on SuRE R16 applications for NIGMS, 2021

Reviewer, ZGM1 review panel on SCORE applications for NIGMS, 2018

Reviewer, ZHD1 review panel on ACE center and ACE network applications for NICHD, 2012

Reviewer, ZMH1 review panel on K99/R00 applications for NIMH, 2012

Reviewer, ZHD1 review panel on IDRC applications for NICHD, 2011

Reviewer, review panel on *RFA Methodology* for NICHD, 2010

Reviewer, ZHD1 Special Emphasis Panel for P01 reviews for NICHD, 2009, 2012, 2015, 2016

Reviewer, F31 Fellowships, 2005 (2 meetings)

Reviewer, SBIR/STTR applications on human neuroscience, 2003 (2 meetings)

**b) NSF**

Guest reviewer, CAREER Award in Developmental Sciences, 2017, 2018, 2020, 2023

Guest reviewer, *Developmental Sciences*, 2009, 2010, 2011, 2012, 2013, 2016, 2019, 2021 (2 cycles), 2022

Panel member, *Cognitive Neuroscience* review panel, 2012

**c) International Granting Agencies**

Reviewer, Israeli Science Foundation, 2000, 2005, 2006, 2023

Reviewer, Binational Israel-USA Science Foundation, 2014, 2016, 2018, 2019, 2021

Reviewer, Swiss National Science Foundation, 2021

Reviewer, Austrian Science Foundation, 2020

Reviewer, United Kingdom Wellcome Trust, 2019

Reviewer, Canada Banting Postdoctoral Fellowships, 2019

Reviewer, Canada Killam Faculty Fellowships, 2018, 2019

Reviewer, Canada NSERC & SSHRC & CRCP, 2010, 2011, 2016, 2017, 2018

Reviewer, Canada Marsden Fund, 2012

Reviewer, United Kingdom Leverhulme Trust, 2012

Reviewer, The Netherlands HCMI Grant, 2010

Reviewer, Russia BIAL Foundation, 2004, 2006

**d) Domestic Agencies and Foundations**

Reviewer, Templeton Foundation, 2011

Reviewer, Civilian Research & Developmental Foundation, 2005

Reviewer, Kentucky Science & Engineering Grants, 2004

Reviewer, Blowitz-Ridgeway Foundation, 1999

**Program Evaluation**

Reviewer, University of Houston Developmental Cognitive Behavioral Neuroscience Graduate Program, 2022

**Advising / Consulting:**

Invited Participant, Brookings Institute Summit on The Power of Love: Attachment, Brain Development, and Economic Mobility, 2018

Invited Participant, University of Florida Early Childhood National Summit, 2017

Invited Participant, Neurobehavioral Assessment in Toddlers, Meade Johnson Pediatric Nutrition Institute, 2015-16

Advisory Committee for Autism Speaks - Baby Siblings Research Consortium, 2013-15

Invited Participant, NIH/NICHHD Vision Workshop on Cognition, 2011

Advisory Reviewer, "Competencies of Early Childhood Professionals" for Virginia's Early Childhood Development Alignment Project for childcare centers, 2007

**Consultant on Textbooks:**

Consultant, "infancy" and "childhood" for the textbook *Life-Span Development* (chronological; 18<sup>th</sup> ed.) by Santrock, 2020

Consultant "infant cognitive development" for the textbook *Children* (15<sup>th</sup> ed.) by Santrock, Lansford, & Deater-Deckard, 2020

Consultant, "infancy" and "childhood" for the textbook *Children* (12<sup>th</sup> ed.) by Santrock, 2011

Consultant, "brain development", "memory development", and "emotion development" for the textbook *Life-Span Development* (topical; 6<sup>th</sup> ed.) by Santrock, 2010

Consultant, "early brain development" for the textbook *Children* (11<sup>th</sup> ed.) by Santrock, 2008



**Professional Society Memberships:**

*beginning dates prior to 1993 include student memberships*

AAAS - American Association for the Advancement of Science (2012-present)

APA - American Psychological Association (1988-present); elected Fellow of Division 7 (Developmental) 2007; elected Fellow of Division 3 (Experimental & Cognitive Science) 2011

APS - Association for Psychological Science (1990-present); elected Fellow 2011

IMBES - International Mind, Brain, and Education Society (2006-2016)

ISDP - International Society for Developmental Psychobiology (1999-present)

ICIS - International Congress of Infant Studies (1988-present)

SPR - Society for Psychophysiological Research (1988-present)

SRCD - Society for Research in Child Development (1988-present)

TC - Temperament Consortium (2010-present)

**Professional Society Service:****American Psychological Association**

- Chair, Division 7 Fellows Committee, 2022-2024 (elected)
- Member, Division 7 Dissertation Grant Award Committee, 2020, 2021
- Member, Division 7 Early Career Research Grant Award Committee, 2020
- Member, Division 7 Executive Board, 2018-2020 (elected)
- Member, Division 7 Fellows Committee, 2018-19 (appointed)
- Member, Division 7 Early Career Paper Award Committee, 2018
- Reviewer, APA Dissertation Research Award Applications, 2017, 2018, 2023, 2024
- Member, Division 7 Early Career Paper Award Committee, 2018
- Member, Division 7 Fellows Committee, 2012-2013 (elected)
- Member, Division 7 Bronfenbrenner and Hall Career Awards Committee, 2010
- Chair, Division 7 Program at APA Annual Meeting, 2005
- Chair, Division 7 Outstanding Dissertation Selection Committee, 2004
- Co-Chair, Division 7 Program at APA Annual Meeting, 2004
- Member, Division 7 Executive Committee, 2003-05 (appointed)

**Society for Research in Child Development**

- Invited Participant - "Lunch with the Leaders", 2017
- Biennial Meeting review panels:*
- Member, "Biological Processes: Psychophysiology", 2023
- Member, "Biological Processes: Neuroscience and Genetics", 2021
- Member, "Cognitive Processes", 2019
- Member, "Attention, Learning, and Memory", 2017
- Member, "Attention, Learning, and Memory", 2015
- Chair, "At-Risk: Neurodevelopmental, Cognitive, Motor, & Perceptual Processes", 2013
- Alternate Chair, "Temperament", 2011
- Alternate Chair, "Affect and Temperament", 2009
- Member, "Infancy: Biological and Cognitive Processes", 2007
- Chair, "Perceptual, Sensory, Motor, Psychobiological Processes", 2005
- Member, "Perceptual, Sensory, Motor, Psychobiological Processes", 2003
- Member, "Perceptual, Sensory, Motor, Psychobiological Processes", 2001

**International Society for Developmental Psychobiology**

- Member, Annual Meeting Abstract Review Team, 2022, 2023
- Member, Board of Directors, 2015-18 (elected)
- Chair, Awards Committee, 2018
- Chair, Communications Committee, 2017
- Judge, student poster contest, 2008, 2017, 2020

*International Congress of Infant Studies*

*Biennial Meeting review panels:*

- Member, "Attention, Learning, & Memory", 2020
- Co-Chair, "Emotional Development", 2018
- Member, "Neuroscience", 2012
- Member, "Biological Processes", 2008
- Member, "Biological Processes", 1998

*Occasional Temperament Conference*

- Invited Symposium Chair, 24<sup>th</sup> Occasional Temperament Conference, 2023
- Program Co-Chair, 23<sup>rd</sup> Occasional Temperament Conference, 2020
- Invited Symposium Chair, 21<sup>st</sup> Occasional Temperament Conference, 2016

*Society for Psychophysiological Research*

- Member, Education and Training Committee, 2006-07
- Member, Annual Meeting Program Committee, 1994

*Society for Affective Science*

- Member, Annual Meeting Abstract Review Committee, 2021, 2022, 2023

**Department / College / University Service:**

**Virginia Tech - Psychology Department**

- Member, External Department Chair Search Committee, 2022-23
- Chair, Open Faculty Search Committee (3 positions), 2021-22
- Associate Chair, Psychology Department, 2019-2024
- Member, Developmental Science Faculty Search Committee, 2017-18
- Chair, Senior Neuroscientist Faculty Search Committee, 2013-16
- Chair, Psychology Committee of College of Science Neuroscience Faculty Search, 2012
- Chair, Personnel Committee, 2011-present
- Member, Clinical/Cognitive Neuroscience Faculty Search Committee, 2010-11
- Member, 5-year Review Committee, 2009-2010
- Member, Personnel Committee, 2001-2011
- Member, Executive Committee, 2000-present
- Member, Ethics Committee, 2000-present
- Member, Honorifics Committee, 1996-2020
- Member, Nominating Committee for Departmental Chair, 2006, 2010, 2017
- Member, Core Curriculum and Doctoral Admissions Committee, 2000-04
- Member, Developmental Faculty Search Committee, 2002-03
- Member, I/O Faculty Search Committee, 2001-2002
- Member, Strategic Planning / Research & Scholarship Planning Group, 2001-02
- Member, Colloquium Committee, 1996-2000
- Member, Child Clinical Faculty Search Committee, 1996-97

**Virginia Tech – College of Science**

- Member, Women in Science Leadership, 2023-present
- Stakeholder, College of Science, VT Alliance for Neurodevelopment Research, 2022-present
- Member, College of Science, Associate Dean for Research Search Committee, 2022
- Guest Instructor, College of Science Faculty Academy, 2020-22
- Member, School of Neuroscience, P&T Committee, 2016, 2018, 2019-20, 2021-22
- Member, School of Neuroscience, Faculty Search Committee, 2015-16, 2017-18
- Member, Department of Economics, 5-year Review Committee, 2016-17
- Member, Math Education Faculty Search Committee, 2010-11

Member, College of Science P&T Committee, 2007-09  
 Department representative for candidate/faculty meetings for college Dean's Search, 2005-06  
 Member, College Cluster Committee (*comm. of record for all faculty searches in COS*), 2004-06  
 College of Arts and Sciences Project Excel faculty advisor, 1996-97

### **Virginia Tech – University**

Member, Faculty Honorifics Committee, 2024-26  
 Advisory Board, Neurotrauma Research Program, 2023-present  
 Chair, Ut Prosim Scholar Award Committee, 2022  
 Member, Alumni Award for Research Excellence Review Committee, 2020-24  
 Member, VP of Health Sciences and Technology/Director of Fralin BRI Review Committee, 2021  
 Member, Institute for Society, Culture and Environment Director Review Committee, 2020  
 Member, Human Development Academic Program Peer Review Committee, 2020-21  
 Member, Review Panel for COVID-19 proposals, 2020  
 Member, Human Development Faculty Search Committee, 2017-18  
 Member, Destination Areas Cluster Operations and Hiring Committee, 2017-18  
 Member, Destination Areas Adaptive Brain & Behavior Stakeholders – Phase II, 2017-19  
 Member, Undergraduate Science Laboratory Building Design Team, 2017  
 Co-Chair, Destination Areas Adaptive Brain & Behavior Design Committee – Phase I, 2016  
 Member, Undergraduate Research Advisory Board for Office of Undergraduate Research, 2015-16  
 Member, University Faculty Senate, 2006-10  
 Member, Developmental Science across the Lifespan Initiative, 2001-2010  
 Member, Developmental Science Small Group Committee, 2006-08  
 Member, Human Development Faculty Search Committee, 2003-04  
 Affiliate, Center for Gerontology, 2000-present  
 Reviewer, Graduate Research Development Projects, 1998-2006  
 Mentor, Honors College Daugherty Scholarship applicant, 1997-98

### **Virginia Tech – School of Medicine**

Mentor, Medical Student Research Program, 2017-2020, 2022-present  
 Member, Basic Science Education Appointment P&T Committee, 2015-2018  
 Member, Translational Biology, Medicine, and Health graduate program --- Development & Aging curriculum track committee, 2013-15

### **Virginia Tech – Diversity Activities**

Mentor, IMSD (Initiative to Maximize Student Diversity) Scholars, 2007-12, 2016-21  
 Mentor, Bridge 2 Baccalaureate Program, 2017, 2018  
 Mentor, PREP (Post-baccalaureate Research and Education Program) Scholars, 2011-2016  
 Participant, Safe Zone training, 2014, 2017, 2022, 2023, 2024  
 Mentor, McNair Summer Fellows, 2003, 2004, 2005, 2010  
 Mentor, Multicultural Academic Opportunities Program (MAOP) Summer Fellows, 1999, 2000, 2003, 2006, 2010, 2013, 2016, 2022  
 Member, Faculty Subcommittee of the College of Science Diversity Committee, 2006-07  
 Member, ADVANCE/VT Best Practices for Search Committees Team, 2005-06  
 Participant, ADVANCE/VT Advancing Women / Advancing Diversity Annual Workshop, 2004-18, 2021, 2022, 2024  
 Member, ADVANCE/VT Recruitment and Retention Work Group, 2003-05

### **South Carolina - Psychology Department**

Advisor, Psi Chi, 1994-1996  
 Member, Experimental Graduate Program Admissions Committee, 1995-96  
 Member, Experimental Graduate Program Curriculum Committee, 1994-95  
 Member, Experimental Graduate Program Minors Committee, 1994-95

## **Mentoring**

### **Postdoctoral Fellows**

1) Katherine C. Morasch (Ph.D. 2007, Virginia Tech); postdoc 2007 – 2010  
Senior Merit Review Officer, Patient-Centered Outcomes Research Institute

2) Kimberly S. Cuevas (Ph.D. 2009, Rutgers); postdoc 2009 – 2012  
Associate Professor of Psychological Sciences, University of Connecticut

### **Graduate Students**

1) Jonathan E. Roberts, PhD (2001), MS (1999)  
dissertation: *The Effects of Age and Sex on Mental Rotation Performance, Verbal Performance, and Brain Electrical Activity*  
Professor of Psychology, Georgia Southern University, Savannah, GA

2) Anna L. Papero, PhD Human Development (2004)  
dissertation: *Developmental Outcome in Preschoolers: Interrelations among Maternal Depression, Perceived Social Support, and Child's Age of Entry into Head Start*  
Executive Director, Child Development Center of the Bluegrass, University of Kentucky

3) Christy D. Wolfe, PhD (2005)  
dissertation: *Sources of Variability in Executive Function: An Investigation of Age, Electrophysiology, Temperament, and Linguistic Ability*  
Professor of Psychology, Bellarmine University, Louisville, KY

4) Hossam M. Zaki, PhD (2005), MS (2004)  
dissertation: *Language and Working Memory Capacity in Early Adulthood: Contributions From First and Second Language Proficiency*  
Manager of Ergonomics – Customer Testing Center, Orange Group, Cairo

5) Susan T. Atlee Daugherty, PhD (2005)  
(Co-mentored with Dr. Jim Horton, Psychology Department, Univ. of Virginia at Wise)  
dissertation: *Neurophysiological Differences in Pain Reactivity: Why Some People are Tolerant to Pain*  
Clinical Psychologist

6) Denise R. (Adkins) Friedman, PhD (2006), MS (2004)  
dissertation: *Cognitive Development in Late Childhood: An Examination of Working Memory and Inhibitory Control*  
Psychology Consultant, Roanoke, VA

7) Joseph J. McArdle, PhD (2006)  
(Co-mentored with Dr. Allen Braun of NIH/NIDCD)  
dissertation: *Variations in the Morphology and Topography of the Speech Bereitschaftspotential*  
Senior Research Scientist, Johns Hopkins School of Medicine

8) Katherine C. Morasch, PhD (2007)  
dissertation: *Explicit Memory and Brain-Electrical Activity in 10-month-old Infants*  
Senior Merit Review Officer, Patient-Centered Outcomes Research Institute

9) Lisa Buonomano, MS (2008, terminal masters)  
MSW Counselor at New River Valley Community Services, Blacksburg, VA

10) Annie M. Cardell, PhD (2009), MS (2007)

dissertation: *Exploring the Role of Language Development and Verbal Encoding in Short-Term Recognition Memory in Early Childhood*  
Associate Professor of Psychology, University of Charleston, Charleston, WV

11) Vinaya (Raj) Rajan, PhD (2012), MS (2009)  
dissertation: *Episodic Memory Development in Childhood: Contributions from Brain Electrical Activity and Executive Functions*  
Director of Training, Attachment and Biobehavioral Catch-up Program, University of Delaware

12) Anjolie Diaz, PhD (2012), MS (2009)  
dissertation: *The Impact of Fearfulness on Childhood Memory: Attention, Effortful Control, and Visual Recognition Memory*  
Associate Professor of Psychological Sciences, Ball State University, Muncie, IN

13) Lauren L. Golden, PhD (2013)  
dissertation: *A Neurophysiological Approach to Differentiate Core Disgust and Moral Disgust*  
Clinical Psychologist, Pittsburgh

14) Jessica H. Kraybill, PhD (2013)  
dissertation: *A Latent Analysis of Preschool Executive Functions: Investigations of Antecedents and Outcomes*  
Associate Professor of Psychology, Western Connecticut State University

15) Amanda J. (Watson) Joyce, PhD (2014), MS (2011)  
dissertation: *Individual Differences in Inhibitory Control Skills at Four Years of Age*  
Associate Professor of Psychology, Murray State University, Murray, KY

16) Tashauna Blankenship, PhD (2017), MS (2014)  
dissertation: *Recollection, Familiarity, and Working Memory Contributions to Math and Reading Achievement at Ages 6 and 9*  
Assistant Professor of Psychology, University of Massachusetts Boston

17) Alleyne P. (Ross) Broomell, PhD (2019), MS (2016)  
dissertation: *Development of Neuroconnectivity and Inhibitory Control: Relation to Social Cognition in Late Childhood*  
Assistant Professor of Psychology, Western Carolina University, Cullowhee, NC

18) Ran Liu, PhD (2020), MS (2017)  
dissertation: *Fearful Temperament in Middle Childhood and Anxiety Symptoms in Adolescence: The Roles of Attention Biases, Effortful Control, and Frontal EEG Asymmetry*  
Assistant Professor of Psychology, Beijing Normal University

19) Tatiana Meza Cervera, PhD (2021), MS (2019)  
dissertation: *Late Childhood Predictors of Adolescent Cognitive Reappraisal: Impacts on Adolescent Depressive Symptoms*  
Program Manager, Diversity Research Supplements and Youth Mental Health Disparities Research, National Institute of Mental Health (NIMH / NIH), Bethesda, MD

20) Madeleine Bruce, PhD (2022)  
dissertation: *From Terrible Twos to Sassy Sixes: The Development of Vocabulary and Executive Functioning Across Early Childhood*  
Postdoctoral Fellow, Department of Psychiatry, Duke University

21) Jennifer Phillips, MS (2021; PhD anticipated 2024)

dissertation: *The Maternal Force Awakens Emerging Fear Reactivity and Regulation: Preliminary Results from the baby JEDI Study*

22) Mohamed Zerrouk, MS (2021; PhD anticipated 2024)

dissertation: *The Role of Test Anxiety in Attention Bias to Test Threats in Undergraduates: The Influences of Temperamental Effortful Control and Frontal EEG Asymmetry*

23) Briana Ermanni (MS 2022; PhD anticipated 2025)

24) Doug Harrison (MS 2023; PhD anticipated 2026)

25) Vanessa Diaz Benitez (MS 2023; PhD anticipated 2027)

26) Isabela de la Rosa (MS anticipated 2026)

**Membership on Graduate Student Committees (since 1996)**  
(not including my own mentees)

Thesis committee – 49 students

Preliminary exam committee – 83 students

Dissertation committee – 91 students

Total graduate student committee memberships = 223

Average number of graduate student committees per year at Virginia Tech = 8.1

Number of graduate student committees during 2023 = 9

**Medical Students**

1) Caleb Hubbard (MD 2021)

research project: *Cortical Neuroplasticity in Mild to Moderate Hearing Loss*

2) Alana Hull (MD anticipated 2025)

research project: *Neural Functional Connectivity across the First Year: Using EEG Coherence to Examine a Rudimentary Default Mode Network*

**Research Lab Coordinator**

1) Leslie Patton, MA (2011 – present)

**Post-Baccalaureate Research Assistants**

1) Morgan Hubble, MA (2009-11)

Resilience Trainer, FOCUS Resilience Training for Military Families, Okinawa, Japan

2) Laurel Marburg, MS (2009-10)

Research Associate, Division of Data & Analytics, Virginia Tech Transportation Institute

3) Leslie Patton, MA (2010-11)

CAP Lab Research Lab Coordinator, Department of Psychology, Virginia Tech

4) Kristen Davis, PhD (2011-12; VT PREP program)

Postdoctoral Fellow, Thomas Jefferson University

5) Allie Nancarrow. PhD (2013-14)

Research Fellow, Institute for Employment Studies, Brighton, UK

6) Angelica Melvin, MBA (2013-14; VT-PREP program)

Product Manager, Global People Strategist, Washington DC

7) Jake LaFleur, MD (2014-15)  
Resident, Department of Internal Medicine, Ohio State University School of Medicine

8) Cassondra Eng, PhD (2015-16; VT-PREP program)  
Postdoctoral Fellow, Stanford University

9) Cheyenne Williams (2022 – present)

10) Kaitlyn Rasnick (2023 – present)

11) Kylie Wijeratne (2023 – present)

### **Undergraduate Research Assistants – Virginia Tech Research Awards**

1) Laura Wilson, BS (2006)

- *Psychology Department Research Award*

2) Tamer Desouky, BS (2007)

- *Psychology Department Research Award*
- *Psychology Department Most Outstanding Senior Award*

3) Elena Polejaeva, BS (2009)

- *Psychology Department Research Award*
- *Psychology Department Most Outstanding Senior Award*

4) Katherine (Kara) Vlahcevic, BS (2019)

- *Psychology Department Research Award*

5) Trisha Ravigopal, BS (2023)

- *1<sup>st</sup> place poster Adaptive Brain and Behavior category at 2022 Dennis Dean Undergrad Symposium*
- *1<sup>st</sup> place poster Karen Roberto Social Sciences category at 2023 Dennis Dean Undergrad Symposium*
- *Psychology Department Research Award*

6) Poojaa Kalathur, BS (2024)

- *2<sup>nd</sup> place poster Adaptive Brain and Behavior category at 2023 Dennis Dean Undergrad Symposium*

## Teaching

### Virginia Tech (1996-present)

\*courses taught regularly

#### Graduate courses:

PSYC 5534 - Developmental Psychology (taught 2 times; last taught spring 2003)

\*PSYC 5544 - Cognitive Development (taught 6 times; last taught fall 2019)

PSYC 5554 - Social Development (taught 2 times; last taught spring 2002)

\*PSYC 6944 - Seminar in Developmental Psychology (taught 7 times; last taught spring 2023)

- Spring 2023 - "Developmental Psychobiology of Early Executive Function"
- Spring 2018 - "Developmental Affective Neuroscience - Emotion Regulation"
- Spring 2014 - "Early Development of Self-Regulation"
- Spring 2009 - "Developmental Affective Neuroscience - Temperament, Parenting, Peers"
- Spring 2007 - "Cognition-Emotion Integration in Early Development"
- Fall 2004 - "Developmental Psychophysiology"
- Spring 2001 - "Frontal Lobe Development and Effortful Control"

#### Undergraduate courses:

PSYC 2034 - Developmental Psychology (life span; taught 16 times; last taught fall 2006)

\*PSYC 4034 – Special Topics in Developmental Psychology (Child Cognitive & Social Development; course was formerly called Advanced Developmental Psychology; taught 37 times; last taught fall 2023)

PSYC 4114 - Cognitive Psychology (taught 4 times; last taught summer 1999)

### Univ of South Carolina (1993-1996)

#### Graduate courses:

PSYC 751 - Survey of Developmental Psychology (graduate core course)

PSYC 820 - Seminar in Developmental Psychology: "Developmental Cognitive Neuroscience"

PSYC 841 - Advanced Study in Selected Topics: "Developmental Theory and Research"

#### Undergraduate courses:

PSYC 420 - Survey of Developmental Psychology (life span)

PSYC 520 - Psychology of Child Development (infant and child)

PSYC 575 - Child Development Laboratory

### Univ of Maryland (1990-1991)

EDHD 413 - Adolescent Development