

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

College of Science Faculty Fellow

Professor of Psychology

Virginia Tech

Address

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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

2019 - College of Science Faculty Fellow, Virginia Tech
 2016 - Adjunct Professor of Neuroscience, Virginia Tech
 2015 - Affiliated Professor of Human Development & Family Science, Virginia Tech
 2014 - Professor of Health Sciences, Virginia Tech
 2012 - Professor of Basic Science Education, Virginia Tech Carilion School of Medicine
 2010 - Professor of Psychology, Virginia Tech
 2001 - 10 Associate Professor of Psychology, Virginia Tech
 1996 - 01 Assistant Professor of Psychology, Virginia Tech
 1993 - 96 Visiting Assistant Professor of Psychology, University of South Carolina
 1992 - 93 Research Associate, Child Development Laboratory, University of Maryland
 1984 - 92 Graduate Student, Department of Human Development, University of Maryland
 1979 - 83 Home Economics Teacher, Farragut High School, Knox County Schools, TN
 1978 - 79 Home Economics Teacher, Cosby High School, Cocke County Schools, TN

Honors / Awards

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
 2017-20 Executive Board, American Psychological Association – Division 7 (elected)
 2015-18 Executive Board, International Society for Developmental Psychobiology (elected)
 2015-17 Chair, *Cognition & Perception* NIH Study Section
 2013 Senior Fellow, Virginia Tech Institute for Society, Culture and Environment
 2011 Fellow, Association for Psychological Science (elected)
 2011 Fellow, American Psychological Association - Division 3, Experimental (elected)
 2010 Outstanding Scholar Alumni Award, College of Education, University of Maryland
 2008-13 Editor, *INFANCY*
 2008 Honor Roll Award, Americans with Disabilities Act Services at Virginia Tech
 2007 Fellow, American Psychological Association - Division 7, Developmental (elected)
 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

- 2018 Early Career Researcher Award for best graduate student paper, *Infancy* journal – 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* journal - Michelle Patriquin (co-mentored manuscript with Angela Scarpa)
 2014 Top 10 downloaded article for 2014 at *Developmental Psychobiology* – Jessica Kraybill
 2013 Dissertation Award, American Psychological Association - Amada Watson Joyce
 2008 Outstanding Dissertation Award, International Society for Developmental Psychobiology – Katherine Morasch
 2004 Dissertation Award, American Psychological Association - Christy Wolfe

Research

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

Peer-Reviewed Journal Articles

In press

Liu, R., Calkins, S.D., & **Bell, M.A.** (in press). Frontal EEG asymmetry moderates the associations between negative temperament and behavioral problems during childhood. *Development and Psychopathology*.

online publication awaiting inclusion in an issue

Liu, R., & **Bell, M.A.** (2019_early view). Fearful temperament and the risk for child and adolescent anxiety: The role of attention biases and effortful control. *Clinical Child and Family Psychology Review*.

2020

- 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.
 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.
 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.

2019

- 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.
 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.
- 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.
- Diaz, A., Swingler, M.S., 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.
- 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.
- 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.
- 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.

2018

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- **reprinted in: *Moving forward in the Study of Temperament and Early Education Outcomes: Mediating and Moderating Factors* (Routledge, 2019) ISBN: 978-0-367-36189-1
- 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.
- 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.
- 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.
- Norton, A., Ulrich, C., **Bell, M.A.**, & Cate, A. (2018). Mathematics at hand. *The Mathematics Educator*, *27*, 33-59.
- 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.
- 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.

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.

2017

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.

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.

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.

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.

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.

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.

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.

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.

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.

2016

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.

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.

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.

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.

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.

Howarth, G.Z., Fetting, 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.

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.

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.
- 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.
- 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.
- 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.
- 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.
- Trubanova, A., Kim, I., Coffman, M. C., Bell, M. A., Richey, J. A., LaConte, S. M., Gracanin, D., & White, S. W. (2016). The role of perspective-taking on ability to recognize fear. *Current Research in Psychology*, 6, 22-30.
- 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.
- 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.

2015

- Blankenship, T.L., & **Bell, M.A.** (2015). Frontotemporal coherence and executive functions contribute to episodic memory during middle childhood. *Developmental Neuropsychology*, 40, 430-444.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- White, S. W., Richey, J. A., Gracanin, 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.

2014

- 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.
- 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.
- 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*, 5, article 245.
- Cuevas, K., & **Bell, M.A.** (2014). Infant attention and early childhood executive function. *Child Development*, 85, 397-404.
- 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.
- 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.
- 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.
- 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.
- Patriquin, M.A., Lorenzi, J., Scarpa, A., & **Bell, M.A.** (2014). Developmental trajectories of respiratory sinus arrhythmia: Associations with social responsiveness. *Developmental Psychobiology*, 56, 317-326.
- 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.
- 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.
- 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.
- Wolfe, C.D., Zhang, J., Kim-Spoon, J., & **Bell, M.A.** (2014). Longitudinal perspectives on the association between information processing and temperamental shyness. *International Journal of Behavioral Development*, 38, 266-276.

2013

- Kraybill, J.H., & **Bell, M.A.** (2013). Infancy predictors of preschool and post-kindergarten executive function. *Developmental Psychobiology*, 55, 530-538.
- Salley, B., Miller, A., & **Bell, M.A.** (2013). Associations between temperament and social responsiveness in young children. *Infant and Child Development*, 22, 270-288.
- 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.
- Watson, A.J., & **Bell, M.A.** (2013). Individual differences in inhibitory control skills at three years of age. *Developmental Neuropsychology*, 38, 1-21.

2012

- Bell, M.A.** (2012). A psychobiological perspective on working memory performance at 8 months of age. *Child Development*, 83, 251-265.
- 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.
- 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.
- 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.
- Cuevas, K., Hubble, M., & **Bell, M.A.** (2012). Early childhood predictors of post-kindergarten executive function: Behavior, parent report, and psychophysiology. *Early Education and Development*, 23, 59-73.
- Cuevas, K., Raj, V., & **Bell, M.A.** (2012). A frequency band analysis of two-year-olds' memory processes. *International Journal of Psychophysiology*, 83, 315-322.
- Cuevas, K., Raj, V., & **Bell, M.A.** (2012). Functional connectivity and infant spatial working memory: A frequency band analysis. *Psychophysiology*, 49, 271-280.
- 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.
- Deater-Deckard, K., Chen, N., Wang, Z., & **Bell, M.A.** (2012). Socioeconomic risk moderates the link between household chaos and maternal executive function. *Journal of Family Psychology*, 26, 391-399.
- 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.
- Diaz, A., & **Bell, M.A.** (2012). Frontal EEG asymmetry and fear reactivity in different contexts at 10 months. *Developmental Psychobiology*, 54, 536-545.
- Morasch, K.C., & **Bell, M.A.** (2012). Self-regulation of negative affect at 5 and 10 months. *Developmental Psychobiology*, 54, 215-221.

2011

- 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.
- Diaz, A., & **Bell, M.A.** (2011). Information processing efficiency and regulation at five months. *Infant Behavior and Development*, 34, 239-247.
- Morasch, K.C., & **Bell, M.A.** (2011). The role of inhibitory control in behavioral and physiological expressions of toddler executive function. *Journal of Experimental Child Psychology*, 108, 593-606.

2010

- Cuevas, K., & **Bell, M.A.** (2010). Developmental progression of looking and reaching performance on the A-not-B task. *Developmental Psychology*, 46, 1363-1371.
- 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.
- 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.
- 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.

2005-09

- 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.

- 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.
- 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.
- 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.
- 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.
- 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.

2000-04

- Bell, M.A.**, & **Wolfe**, C.D. (2004). Emotion and cognition: An intricately bound developmental process. *Child Development*, 75, 366-370.
- 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.
- 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.
- 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.
- Bell, M.A.** (2002). Power changes in infant EEG frequency bands during a spatial working memory task. *Psychophysiology*, 39, 450-458.
- 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.
- 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.
- 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.
- Roberts**, J.E., & **Bell, M.A.** (2000). Sex differences on a mental rotation task: Variations in EEG hemispheric activation between children and college students. *Developmental Neuropsychology*, 17, 199-223.

1995-99

- Bell, M.A.**, & **Adams**, S.E. (1999). Comparable performance on looking and reaching versions of the A-not-B task at 8 months of age. *Infant Behavior and Development*, 22, 221-235.
- 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.
- 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.
- 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.

1990-94

- 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.

Bell, M.A., & Fox, N.A. (1992). The relations between frontal brain electrical activity and cognitive development during infancy. *Child Development*, 63, 1142-1163.

Fox, N.A., **Bell, M.A.**, & Jones, N.A. (1992). Individual differences in response to stress and cerebral asymmetry. *Developmental Neuropsychology*, 8, 161-184.

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.

Edited Book Series:

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

Volumes published:

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

Edited Book:

Calkins, S.D., & **Bell, M.A.** (Eds.), (2010) *Child development at the intersection of emotion and cognition*. Washington, DC: American Psychological Association.

Chapters in Edited Books:

Bell, M.A., Phillips, J.J., & Bruce, M.D. (in preparation). Development of working memory in infants and toddlers. To appear in M.L. Courage & N. Cowan (Eds.), *The development of memory in infancy and childhood*, 2nd ed. New York: Routledge Press.

Bell, M.A. & Broomell, A.P.R. (in preparation). Development of inhibitory control from infancy to early childhood. To appear in O. Houdé & G. Borst (Eds.), *Cambridge handbook of cognitive development*. Cambridge University Press.

Cuevas, K., & **Bell, M.A.** (in press). EEG frequency development across infancy and childhood. To appear in P. Gable, M. Miller, & E. Bernat (Eds.), *Oxford handbook of human EEG frequency analysis*. Oxford University Press.

Bell, M.A., & Garcia Meza, T. (in press). Executive function. To appear in J.B. Benson (Ed.), *Encyclopedia of infant and early childhood development*. Oxford, UK: Elsevier.

Bell, M.A. (2020). Mother-child behavioral and physiological synchrony. To appear in J. Benson (Ed.), *Advances in child development and behavior*, Vol 58 (pp. 163-188). Oxford, UK: Elsevier.

***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]

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>

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>

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>
- 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>
- 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.
- 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.
- 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.
- 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.
- 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.
- Bell, M.A.**, & Calkins, S.D., (2012). Attentional control and emotion regulation in early development. In M.I. Posner (Ed.), *Cognitive neuroscience of attention, 2nd ed.* (pp. 322-330). New York: Guilford Press.
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- 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.
- 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.
- Bell, M.A.** (2000). Brain development. In L. Balter (Ed.), *Parenthood in America: An encyclopedia* (pp. 10-18). Denver: ABC-CLIO.

- 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.
- 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.
- 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 19th annual Boston University Conference on Language Development* (pp. 533-542). Somerville, MA: Cascadilla Press.
- 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.
- 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.

Other Publications:

- 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.
- Bell, M.A.** (2011). Introduction to target article. *Infancy*, 16, 1.
- Bell, M.A.** (2009). Editorial. *Infancy*, 14, 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.

Current External Grants:

- Bell, M.A.** (MPI) & Diana, R. (MPI). (2/1/19 – 1/31/21). *Brain activity during infant inhibitory control*. R21 HD097942, NIH/NICHD. (\$275,000 direct costs)
- Bell, M.A.** (PI). (3/1/17 – 2/28/20, NCE). *Development of Inhibitory Control during Infancy*. R03 HD091644, NIH/NICHD. (\$100,000 direct costs)
- Dunsmore, J. (PI), **Bell, M.A.** (Co-I), & Kim-Spoon, J. (Co-I). 3/1/19 – 2/28/23). *Child temperament as a moderator of maternal emotion coaching: Implications for pathways leading to behavior problems*. R01 HD097131, NIH/NICHD. (\$1,286,619 direct costs)

Completed External Grants:

- 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). (3/1/13 – 2/28/19, NCE). *Psychobiology of Cognitive Development*. 2R01 HD049878, NIH/NICHD. (\$2,212,677 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). (3/1/13 – 2/28/19, NCE). *Development of a Novel Neurotechnology to Promote Emotion Recognition in Autism*. R21/R33 MH100268, NIH/NIMH. (\$849,999 direct costs)
- Bell, M.A.** (PI) & Rahman, A.S. (recipient). (6/13/11 – 8/12/11). *Psychobiology of Cognitive Development – Diversity Supplement*. R01 HD049878S1, NIH/NICHD. (\$4,346 direct costs)
- Bell, M.A.** (PI), Deater-Deckard, K. (Co-I), & Kim, J. (Co-I). (9/1/09 – 8/31/12, NCE). *Attention and Memory: Mother-Child Psychophysiology and Behavior*. R03 HD057319, NIH/NICHD. (\$100,000 direct costs)
- Deater-Deckard, K. (PI) & **Bell, M.A.** (Co-I). (8/1/09 – 7/31/12, NCE). *Maternal Self-Regulation and Harsh Parenting: Integrating Cognition, Emotion, and Psychophysiology*. R21 HD060110, NIH/NICHD. (\$275,000 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), & Marcovitch, S. (Co-I). (4/1/07 – 2/28/13 NCE). *Psychobiology of Cognitive*

Development. R01 HD049878, NIH/NICHD. (\$1,732,572 direct costs)
Bell, M.A. (PI). (7/1/03 – 6/30/06, NCE). *Infant Temperament and Cognitive Development*.
 R03 HD043057, NIH/NICHD. (\$100,000 direct costs)

Completed Internal Grants:

Norton, A. (PI), **Bell, M.A.** (Co-I), Ulrich, C. (Co-I). (1/1/19 – 6/30/19). *Coherence in Mathematical Development (CMD)*. 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 Program 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 in Residence 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*. Millennium Grant Award. Virginia Tech College of Arts & Sciences. (\$3,960)

Bell, M.A. (PI). (4/1/97 – 3/31/98). *The Effects of Temperament on Cognitive Behaviors during Infancy*. Creative Match Award. Virginia Tech College of Arts & Sciences. (\$5,120)

Bell, M.A. (PI). (11/1/96 – 10/30/98). *The Effects of Temperament on Cognitive Behaviors during Infancy*. Small Grant Award. Virginia Tech College of Arts & Sciences. (\$2,785)

Bell, M.A. (PI). (5/15/95 – 5/14/96). *Infant Cognition: Brain-Behavior Relations during Object Permanence Performance*. Research & Productive Scholar Award. University of South Carolina Office of the Vice President for Research. (\$2,958)

Invited Lectures, Symposia, and Workshop Presentations (only non-local are listed):

University of Oxford (England), Developmental Seminar Series (July 2020)

Title TBD

- Cardiff University (Wales), Developmental Psychology Group (July 2020)
Title TBD
- University of Tennessee, Developmental and Biological Psychology Group (March 2020)
Title TBD
- University of Florida, Goldman Speaker in Developmental Science, Dept of Psychology (Nov 2019)
A multilevel approach to early cognitive development: Brain, behavior, and parenting
- Senior Investigator Award Address, annual meeting of the International Society for Developmental Psychobiology (Oct 2019)
Infant foundations of cognitive development
- University of Heidelberg (Germany), Infant and Toddler Executive Function Workshop (July 2019)
Development of inhibitory control across infancy and toddlerhood
- University of Connecticut, Developmental Psychology Brownbag (April 2019)
A biopsychosocial perspective on early cognitive development
- University of Massachusetts at Amherst, Developmental Psychology Colloquium (April 2019)
A biopsychosocial perspective on early cognitive development
- George Mason University, Applied Developmental Psychology Colloquium Series (February 2019)
A biopsychosocial perspective on early cognitive development
- University of Virginia, Developmental Psychology Program (Dec 2018)
A biopsychosocial perspective on infant cognition and emotion
- Washington State University, ADVANCE Colloquium at WSU (Oct 2018)
A biopsychosocial perspective on infant cognition and emotion
- NIH / NICHD, Children and Media Workshop (Jan 2018)
Discussing neurological perspectives on children's media use
- Occasional Temperament Conference, organizer and presenter at invited symposium on Neurological Basis of Temperament (Oct 2016)
Biopsychosocial perspective on infant and child temperament
- Meade Johnson Pediatric Nutrition Institute, Neurobehavioral Assessment in Toddlers (June 2015)
Measurement of executive functions during infancy and toddlerhood
- Bowdoin College, Faculty Teleconference Workshop (May 2015)
Publishing in peer reviewed journals
- Washington State University, Dept of Psychology, Keynote Address at Undergraduate Research Symposium (Apr 2015)
Watching children grow: Using questionnaires, observations, and brain images to understand complex behaviors
- International Perinatal Brain and Behavior Network Conference (Nov 2014)
Sex differences in EEG activity across early development
- East Tennessee State University, Dept of Psychology, Graduate Student Workshop (Oct 2014)
Academic career at a research-intensive institution
- NIH / Office of Dietary Supplements, Maternal Iodine Supplementation Workshop (Sept 2014)
Development of frontal functioning during infancy
- Yale University, Child Study Center, Autism Science Group (Feb 2014)
Early foundations of inhibitory control
- Indiana University, Developmental Psychology Program (Dec 2012)
Regulation of negative affect in early development
- Washington State University, Dept of Psychology (Oct 2012)
Cognitive control of emotion in early development
- Coastal Carolina University, College of Science (Sept 2012)
Cognitive control of emotion in early development: How we use attention to self-regulate
- Miami University, Dept of Psychology (Apr 2012)
Cognitive control of emotion in early development
- Virginia Tech Carilion School of Medicine (Roanoke VA), first year medical students (Mar 2012)
Individual differences in cognitive development
- George Mason University, Applied Developmental Psychology Program (Feb 2012)
Cognitive control of negative affect during infancy

- University of Virginia, Developmental Psychology Program (Oct 2011)
Psychobiology of executive functions from infancy through early childhood
- NIH / NICHD, Executive Functions in Preschool Children Workshop (June 2010)
Psychobiology of executive functions in early development
- Jean Piaget Society (St Louis), presenter at invited symposium on Working Memory and Emotion (June 2010)
Working memory and emotion regulation: A psychobiological model of developing self-regulation
- Haifa University (Israel), conference on Emerging Locomotion Skills, Emotional Regulation, and the Tasks of the Sleeping Infant (May 2010)
Cognitive influences on the development of early emotion regulation
- International Conference on Infant Studies (Baltimore), presenter at invited symposium on Psychobiological Models of Early Regulatory Development (Mar 2010)
Cognition-emotion integration and self-regulation
- Center for Developmental Science (Chapel Hill), Consortium on Human Development (Apr 2009)
What neuroscience can tell us about early brain organization and cognitive development
- Heidelberg University (Germany), Developmental Psychology Spring School (Mar 2009)
Self-regulation and cognitive development
- University of Chicago, Developmental Psychology Program (Feb 2009)
Cognition-emotion integration in early development
- George Mason University, Applied Developmental Psychology Program (Sept 2008)
The psychobiology of individual differences in early cognitive development
- Carilion Health Systems (Roanoke, VA), Grand Rounds (Aug 2008)
EEG as a research tool for studying individual differences in early cognitive and emotion development
- Emory Medical Center, Maternal Depression Working Group (Jan 2008)
Using EEG to examine individual differences in infant development
- Armstrong Atlantic State University, Department of Psychology (Oct 2007)
Temperament influences on early cognitive development: A psychobiological perspective
- University of Virginia, Developmental Psychology Program (Mar 2007)
The psychobiology of early cognitive development
- University of Tennessee, Department of Psychology (Nov 2006)
Psychobiology of cognitive development from infancy to early childhood
- Center for Developmental Science (Chapel Hill), Consortium on Human Development (Nov 2005)
Attentional control and the integration of cognition and emotion during early development
- Society for Research in Child Development (Atlanta), part of invited symposium on Emotion Regulation: The Next Generation (Apr 2005)
Psychobiology and the integration of cognition and emotion during infancy and early childhood
- Brown University, Developmental Cognitive Neuroscience Invited Conference (May 2002)
Electrocortical indices of cognitive development during infancy and early childhood
- Center for Developmental Science (Chapel Hill), Consortium on Human Development (Apr 2002)
Using the EEG to examine individual differences in development
- Developmental Neuropsychology Interest Group, pre-SRCD Minneapolis meeting (Apr 2001)
Electrocortical activity during a spatial working memory task: Individual differences in infant development
- Developmental Neuropsychology Interest Group, pre-SRCD Minneapolis meeting (Apr 2001)
Infants and electrodes: An EEG tutorial
- George Mason University, Psychology Honors Colloquium (Mar 2000)
Infant brain development: Working memory and frontal EEG
- University of North Carolina at Greensboro, Developmental Psychology Program (Mar 2000)
Associations between individual differences in working memory and frontal EEG during infancy
- Center for Developmental Science, Infancy Core meeting, Greensboro NC (June 1999)

- Conceptualizing biobehavioral relations: Infant EEG*
Virginia Tech, Department of Psychology (Feb 1996)
- A-not-B development: Is it brain maturation or experience or both?*
University of South Carolina, conference on Cognitive Neuroscience of Attention (May 1995)
- Frontal cortex development: Effects on infant cognition and attention*
University of South Carolina, Dept of Psychology (Nov 1992)
- Measuring frontal lobe development during infancy: EEG and A-not-B*

Peer-reviewed Symposia Papers & Session Papers at Scientific Meetings:

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

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Bell**, M.A. (1998, July). Evidence of right frontal involvement in A-not-B performance during infancy. In B. Hopkins & L. Ronnqvist (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.
- 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.
- 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.

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.

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.

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.

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.

Peer-reviewed Poster Presentations at Scientific Meetings:

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.

Broomell, A.P.R., & Bell, M.A. (2020, July). Structure and development of inhibitory control from infancy to late childhood. International Congress of Infant Studies, Glasgow, Scotland.

Zhu, D., Patton, L.A., Terry, J., Hernandez, E., **Bell, M.A.**, & Dunsmore, J. (2020, June). Roles of child temperament and maternal emotion dismissing in behavior problems in early childhood. International Society for the Study of Behavioral Development. Island of Rhodes, Greece.

Bertollo, J.R., Scarpa, A., & **Bell, M.A.** (2020, March). Infant emotional reactivity and childhood adaptive socialization skills. Occasional Temperament Conference, Blacksburg, VA.

Chary, M., Deater-Deckard, K., & **Bell, M.A.** (2020, March). The moderating role of household chaos on child surgency and harsh fathering. Occasional Temperament Conference, Blacksburg, VA.

Garcia Meza, T., & Bell, M.A. (2020, March). Predicting toddler noncompliance: The role of infant reactivity, toddler effortful control, and maternal attention. Occasional Temperament Conference, Blacksburg, VA.

Hong, Y., Deater-Deckard, K., & **Bell, M.A.** (2020, March). Similarity of parent-child temperament: Links with parenting and child behavior problems. Occasional Temperament Conference, Blacksburg, VA.

Liu, R., & Bell, M.A. (2020, March). Infant negative affectivity, frontal EEG asymmetry, and maternal intrusiveness predict externalizing problems in toddlerhood. Occasional Temperament Conference, Blacksburg, VA.

Phillips, J., & Bell, M.A. (2020, March). Links between maternal self-ratings of personality and maternal ratings of child temperament. Occasional Temperament Conference, Blacksburg, VA.

Whedon, M.C., Perry, N.B., Calkins, S.D., & **Bell, M.A.** (2020, March). Private speech during problem-solving predicts inhibitory control in temperamentally negative preschoolers: Implications for the development of emotion regulation. Occasional Temperament Conference, Blacksburg, VA.

Whedon, M.C., Swingler, M.M., Calkins, S.D., & **Bell, M.A.** (2020, March). Learning to inhibit: Longitudinal associations between temperament, EEG alpha suppression during task instructions, and inhibitory control in preschool. Occasional Temperament Conference, Blacksburg, VA.

Wolfe, C.D., & Bell, M.A. (2020, March). RSA change across time and task for preschool children is related to shyness. Occasional Temperament Conference, Blacksburg, VA.

Zerrouk, M., Diaz, A., & Bell, M.A. (2020, March). Sadness is also a predictor for an attentional bias

- in non-clinical populations of children. Occasional Temperament Conference, Blacksburg, VA.
- Zhu, D., Patton, L.A., Terry, J., Hernandez, E., **Bell, M.A.**, & Dunsmore, J.C. (2020, March). Child negative affectivity, maternal emotion dismissing, and child behavior problems in early childhood. Occasional Temperament Conference, Blacksburg, VA.
- Bell, M.A.**, Patton, L.A., Liu, R., & Garcia Meza, T. (2019, October). 10-month predictors of 12-month cognitive inhibitory control performance. 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.
- 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. Cognitive Development Society, Louisville KY.
- 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. Society for Psychophysiological Research, Washington DC.
- 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. Pangborn Sensory Science Symposium, Edinburgh, Scotland.
- 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.
- 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.
- 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. International Society for Developmental Psychobiology, San Diego.
- Bell, M.A.**, Blankenship, T.L., & Liu, R. (2018, August). Preschool internalizing problems vary with birth weight among children born at term. American Psychological Association, San Francisco.
- Bell, M.A.**, & Patton, L. (2018, July). Frontoparietal connectivity at 5 and 10 months. 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. International Congress of Infant Studies, Philadelphia.
- Broomell, A.P.R., & **Bell, M.A.** (2018, July). Infant front-parietal EEG coherence predicts preschool executive function. International Congress of Infant Studies, Philadelphia.
- Eng, C., & **Bell, M.A.** (2018, July). Infant EEG power and coherence: Potential indicators of childhood AD/HD. 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. 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. International Congress on Infant Studies, Philadelphia.
- Whedon, M., Swinger, 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. International Congress of Infant Studies, Philadelphia.
- 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. International Society for Autism Research, Rotterdam, Netherlands.
- Bacher, L.F., Walsh, R., Gonzalez, & **Bell, M.A.** (2017, November). Development of spontaneous eye blinking from infancy to early childhood. 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. International Society for Developmental Psychobiology, Washington DC.
- Rajan, V., & **Bell, M.A.** (2017, November). Brain-behavior associations during cognitive flexibility performance. 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. International Society for Developmental Psychobiology, Washington DC.
- Garcia Meza, T., Liu, R., & **Bell, M.A.** (2017, October). The contribution of early childhood emotion regulation to executive functioning at age 6. Cognitive Development Society, Portland OR.
- 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. Association for Psychological Science, Boston.
- Garcia Meza, T., & **Bell, M.A.** (2017, May). Working memory at age 6: Contributions of infant attention and emotion regulation. Mid-Atlantic PREP/IMSD Research Symposium, Baltimore.
- Blankenship, T., & **Bell, M.A.** (2017, April). Recollection and working memory predict academic achievement at age 6. 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. 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. 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. 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. 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. 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. 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. 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. 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. Society for Research in Child Development, Austin.
- Marcano, J.L., **Bell, M.A.**, & Beex, A.A. (2017, February). Classification of ADHD and non-ADHD using Theta/Beta Power Ratio Features. Engineering in Medicine and Biology Conference, Orlando FL.
- Bacher, L.F., Bonzalez, A., Javier, G., & **Bell, M.A.** (November, 2016). Examination of spontaneous eye blinking from infancy to toddlerhood during cognitive tasks. 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. 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. 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. 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. 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. 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. International Society for Developmental Psychobiology, San Diego.
- 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. 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. Annual Biomedical Research Conference for Minority Students, Tampa FL.
- Walsh, A., Duncan, S., **Bell, M.A.**, Gallagher, D., & O'Keefe, S. (2016, October). Integrating implicit and explicit emotional assessment of pleasurable meal experiences. Society of Sensory Professionals, Atlanta.
- Broomell, A.P.R., & **Bell, M.A.** (2016, October). Infant EEG coherence predicts socialization at age 4. 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. 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. Virginia-Nordic Precision Neuroscience Conference, Roanoke VA.
- Blankenship, T., & **Bell, M.A.** (2016, May). Attentional control in infancy predicts explicit memory performance at 36 months. 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. 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. 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. 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. 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. 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. 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. 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. International \ Congress of Infancy 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. International congress of infant studies, New Orleans.

- 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. APS, Chicago.
- Ross, A.P., Swain, D., Scarpa, A., & **Bell, M.A.** (2016, May). Infant neuroconnectivity is a predictor of social responsiveness deficits at age four. International Meeting for Autism Research, Baltimore.
- 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. Society for Research on Adolescence, Baltimore.
- Orloff, M.A., Coffman, M.C., Trubanova, 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. Society for Neuroscience, Chicago.
- 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. 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. 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. Society for Psychophysiological Research, Seattle.
- 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. Pangborn Sensory Science Symposium, Gothenburg, Sweden.
- 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.
- 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.
- Bell, M.A.**, Norton, A., Ulrich, C., Cate, A., & Patton, L.A. (2015, March). Mathematical ways of operating: An EEG study with 6th 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.** (2001, November). An investigation of three types of inhibitory control in three-year-old children. Poster presented at International Society for Developmental Psychobiology, Washington DC.
- 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., Swinger, 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.
- 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.

- 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.
- 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.
- 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 Conference on 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 Conference on 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 Conference on Developmental Psychobiology, Chicago.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Bell, M.A.** (2002, April). Associations between temperament and cognitive processing during infancy. 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.
- 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.
- 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.

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

Early Education and Development, Guest co-Editor (2012), Special Issue on “Neuroscience Perspectives on Early Education”

Editorial Boards:

Affective Science (inaugural editorial board 2019 – present)

Developmental Psychobiology (2019 – present)

Cognitive Development (2014 – present)

Current Directions in Psychological Science (2013 - present)

Child Development (2001–02)

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

Developmental Psychology (1998–2004)

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, review panel on *RFA 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, 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

Invited reviewer for special emphasis panels

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

Panel member, *Cognitive Neuroscience* review panel, 2012

Guest reviewer, *Developmental Sciences*, 2009, 2010, 2011, 2012, 2013, 2016, 2019

c) International Granting Agencies

Reviewer, United Kingdom Wellcome Trust, 2019

Reviewer, Canada Banting Postdoctoral Fellowships, 2019

Reviewer, Canada Killam Faculty Fellowships, 2018, 2019

Reviewer, Binational Israel-USA Science Foundation, 2014, 2016, 2018, 2019
 Reviewer, Israeli Science Foundation, 2000, 2005, 2006
 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

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, Toddler Executive Functions, Meade Johnson Pediatric Nutrition Institute, 2015-16
 Advisory Committee for Autism Speaks - Baby Siblings Research Consortium, 2013-15
 Invited Participant, NIH/NICHD 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; 18th ed.) by Santrock, 2020
 Consultant "infant cognitive development" for the textbook *Children* (15th ed.) by Santrock, Lansford, & Deater-Deckard, 2020
 Consultant, "infancy" and "childhood" for the textbook *Children* (12th ed.) by Santrock, 2011
 Consultant, "brain development", "memory development", and "emotion development" for the textbook *Life-Span Development* (topical; 6th ed.) by Santrock, 2010
 Consultant, "early brain development" for the textbook *Children* (11th 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); Fellow of Division 7 (Developmental) since 2007; Fellow of Division 3 (Experimental & Cognitive Science) since 2011
 APS - Association for Psychological Science (1990-present); Fellow since 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 and Occasional Temperament Conference (2010-present)

Professional Society Service:

American Psychological Association

- Member, Division 7 Executive Board, 2018-2020 (elected)
- Member, Division 7 Fellows Committee, 2018-19 (appointed)
- Reviewer, APA Dissertation Research Award Applications, 2017, 2018

- 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
- Member, Division 7 Executive Committee, 2003-05 (appointed)
- 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

Society for Research in Child Development

- Invited Participant - "Lunch with the Leaders", 2017
- Biennial Meeting review panels:*
- Member, "Cognitive Processes", 2019
- Member, "Attention, Learning, and Memory", 2017, 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, 2001

International Society for Developmental Psychobiology

- Member, Board of Directors, 2015-18 (elected)
- Chair, Awards Committee, 2018
- Chair, Communications Committee, 2017
- Judge, student poster contest, 2008, 2017

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, 1998

Occasional Temperament Conference

- Program Co-Chair, 23rd Occasional Temperament Conference, 2020
- Member, Awards committee, 2020

Society for Psychophysiological Research

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

Department / College / University Service:

Virginia Tech - Psychology Department

- Associate Chair, Psychology Department, 2019-present
- Chair, P&T committee, 2011-present
- 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
- 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-present
 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, School of Neuroscience, P&T Committee, 2016, 2018, 2019-20
 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 P&T Committee, 2007-09
 Member, College Cluster Committee (*comm. of record for all faculty searches in COS*), 2004-06
 Department representative for candidate/faculty meetings for college Dean's Search, 2005-06
 College of Arts and Sciences Project Excel faculty advisor, 1996-97

Virginia Tech – University

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
 Member, Basic Science Education Appointment P&T Committee, 2015 - present
 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-bacc Research and Education Program) Scholars, 2011-2016
 Participant, Safe Zone training, 2014, 2017
 Mentor, McNair Summer Fellows, 2003, 2004, 2005, 2010
 Mentor, Minority Academic Opportunities Program (MAOP) Summer Fellows, 1999, 2000, 2003, 2006, 2010, 2013, 2016
 Member, Faculty Subcommittee of the College of Science Diversity Committee, 2006-07
 Member, ADVANCE/VT Best Practices for Search Committees Team, 2005-06
 Member, ADVANCE/VT Recruitment and Retention Work Group, 2003-05
 Participant, ADVANCE/VT Advancing Women / Advancing Diversity Annual Workshop, 2004-18

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

Scientific Review Officer, Biobehavioral and Behavioral Processes IRG, Center for Scientific Review, National Institutes of Health

2) Kimberly S. Cuevas (Ph.D. 2009, Rutgers); postdoc 2009 – 2012

Associate Professor of Psychology, University of Connecticut

2015 Kucharski Young Investigator Award – International Society for Developmental Psychobiology

2015 Early Career Outstanding Paper Award, American Psychological Association, Division 7

Graduate Students

1) Jonathan E. Roberts, PhD (2001), MS (1999)

Professor of Psychology and Associate Director of University Honors Program, Georgia Southern University, Savannah, GA

2) Anna L. Papero, PhD (2004)

(Co-mentored with Andy Stremmel, VT Human Development Dept.; Annie was a HD student.)

Head of Lower School, Sayre School, Lexington, KY

3) Christy D. Wolfe, PhD (2005)

Associate Professor of Psychology, Bellarmine University, Louisville, KY

2004 Dissertation Research Award – American Psychological Association

4) Hossam M. Zaki, PhD (2005), MS (2004)

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)

retired clinical psychologist

6) Denise R. (Adkins, Greene) Friedman, PhD (2006), MS (2004)

Associate Professor of Basic Science Education, Virginia Tech Carilion School of Medicine

7) Joseph J. McArdle, PhD (2006)

(Co-mentored with Dr. Allen Braun of NIH/NIDCD)

Research Scientist, Human Research and Engineering Directorate, US Army Research Laboratory, Aberdeen, MD

8) Katherine C. Morasch, PhD (2007)

Scientific Review Officer, Biobehavioral and Behavioral Processes IRG, Center for Scientific Review, National Institutes of Health

2008 Outstanding Dissertation Award -- International Society for Developmental Psychobiology

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)
Associate Professor of Psychology, University of Charleston, Charleston, WV
- 11) Vinaya (Raj) Rajan, PhD (2012), MS (2009)
Assistant Professor of Behavioral & Social Sciences, University of the Sciences, Philadelphia, PA
- 12) Anjolie Diaz, PhD (2012), MS (2009)
Assistant Professor of Psychological Sciences, Ball State University, Muncie, IN
- 13) Lauren L. Golden, PhD (2013)
Clinical Psychologist, Veterans Administration Healthcare System, Pittsburgh
- 14) Jessica H. Kraybill, PhD (2013)
Assistant Professor of Psychology, Western Connecticut State University
- 15) Amanda J. (Watson) Joyce, PhD (2014), MS (2011)
Assistant Professor of Psychology, Murray State University, Murray, KY
*****2013 Dissertation Research Award – American Psychological Association*****
- 16) Tashauna Blankenship, PhD (2017), MS (2014)
Postdoctoral Fellow, Center for Systems Neuroscience, Boston University
Beginning Jan 2021 – Assistant Professor of Psychology, University of Massachusetts at Boston
- 17) Alleyne P. (Ross) Broomell, PhD (2019), MS (2016)
Assistant Professor of Psychology, Western Carolina University, Cullowhee, NC
- 18) Ran Liu, MS (2017; PhD anticipated Dec 2020)
- 19) Tatiana Garcia Meza, MS (2019; PhD anticipated 2021)
- 20) Jennifer Phillips (MS anticipated 2021; PhD anticipated 2024)
- 21) Mohamed Zerrouk (MS anticipated 2021; PhD anticipated 2024)

Membership on Graduate Student Committees

(not including my own mentees)

Thesis committee – 45 students

Preliminary exam committee – 75 students

Dissertation committee – 77 students

Total graduate student committee memberships = 197

Average number of graduate student committees per year at Virginia Tech = 8.2

VT-PREP Post-Baccalaureate Students

- 1) Kristen Davis (BS 2011, Longwood University), 2011-12
PhD 2016, Neuroscience, Virginia Commonwealth University
Postdoctoral Fellow in Neuroscience, Perelman School of Medicine, University of Pennsylvania
- 2) Angelica Melvin (BS 2013, Virginia Tech), 2013-14
MS 2017, Business Administration, Analytics concentration, Virginia Tech
Doctoral Scholars and REU Coordinator, ICTAS, Virginia Tech

- 3) Cassondra Eng (BS 2015, Penn State), 2015-16
Graduate Student in Developmental Psychology, Carnegie-Mellon University, Pittsburgh

Undergraduate Students

Senior Honors Thesis:

- 1) Sabrina Pope, BS (1996; Univ of South Carolina)
- 2) Stephanie E. Adams, BS (1997; Univ of South Carolina)
- 3) Heidi Mazzei, BS (2004)
- 4) Elena Polejaeva, BS (2009)
Psychology Department Research Award
Psychology Department Most Outstanding Senior Award

Independent Research Project:

- 1) Stephanie Malone, BS (2003)
- 2) Tiffany Clory, BS (2003)
- 3) Laura Wilson, BS (2006)
Psychology Department Research Award
- 4) Tamer Desouky, BS (2007)
Psychology Department Research Award
Psychology Department Most Outstanding Senior Award
- 5) Katherine Vlahcevic, BS (2019)
Psychology Department Research Award

Teaching

Virginia Tech (1996-present)

*courses taught regularly

Graduate courses:

PSYC 5534 - Developmental Psychology (graduate core course)

*PSYC 5544 - Cognitive Development

PSYC 5554 - Social Development

*PSYC 6944 - Adv Topics in Dev Psyc: (different topic each time offered)

- “Frontal Lobe Development and Effortful Control”
- “Developmental Psychophysiology”
- “Cognition-Emotion Interactions in Early Development”
- “Developmental Affective Neuroscience”
- “Early Development of Self-Regulation”
- “Developmental Affective Neuroscience - Emotion Regulation”

Undergraduate courses:

PSYC 2034 - Developmental Psychology (life span)

*PSYC 4034 – Special Topics in Developmental Psychology (child cognitive & social development;
course was formerly called Advanced Developmental Psychology)

PSYC 4114 - Cognitive Psychology

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