

CURRICULUM VITAE

September, 2011

Peter J. Marshall

Department of Psychology
Temple University
Weiss Hall
1701 North 13th St.
Philadelphia, PA 19122

Email: peter.marshall@temple.edu
Office phone: 215-204-5744

Education

- 1997 Ph.D., University of Cambridge, United Kingdom.
Dissertation: "*Behavioural inhibition, heart period, and heart period variability in young children and their mothers*"
Advisor: Joan Stevenson-Hinde, Sc.D
- 1993 B.A., University of Cambridge, UK. Natural Sciences (Zoology)
Class I degree

Professional Appointments

- 2010- Associate Professor
Department of Psychology, Temple University
- 2004-2010 Assistant Professor
Department of Psychology, Temple University
- 1999-2004 Research Assistant Professor
Department of Human Development, University of Maryland
- 1997-1999 Postdoctoral Research Associate
Department of Human Development, University of Maryland

Journal Articles Published

- Marshall, P. J., & Comalli, C. E. (in press). Young children's conceptualizations of brain function: Implications for teaching neuroscience in early elementary settings. *Early Education and Development*.
- Saby, J. N., Marshall, P. J., Smythe, R., Bouquet, C. A., & Comalli, C. E. (in press). An investigation of the determinants of motor contagion in preschool children. *Acta Psychologica*.
- Saby, J. N., & Marshall, P. J. (in press). The utility of EEG band power analysis in the study of infancy and early childhood. *Developmental Neuropsychology*.
- Quandt, L. C., Marshall, P. J., Bouquet, C. A., Young, T., & Shipley, T. F. (2011). Experience with novel actions modulates frontal alpha EEG desynchronization. *Neuroscience Letters*, 499, 37-41.

- Bouquet, C. A., Shipley, T. F., Capa, R. L., & Marshall, P. J. (2011). Motor contagion: Goal-directed actions are more contagious than non-goal-directed actions. *Experimental Psychology*, *58*, 71-78.
- Capa, R. L., Marshall, P. J., Shipley, T. F., Salesse, R. N., & Bouquet, C. A. (2011). Does motor interference arise from mirror system activation? The effect of prior visuo-motor practice on automatic imitation. *Psychological Research*, *75*, 152-157.
- Marshall, P. J., & Meltzoff, A. N. (2011). Neural mirroring systems: Exploring the EEG mu rhythm in infancy. *Developmental Cognitive Neuroscience*, *1*, 110-123.
- Marshall, P. J., Young, T., & Meltzoff, A. N. (2011). Neural correlates of action observation and execution in 14-month-old Infants: An event-related EEG desynchronization study. *Developmental Science*, *14*, 474-480.
- Marshall, P. J., Bouquet, C. A., Thomas, A. L., & Shipley, T. F. (2010). Motor contagion in young children: Exploring social influences on perception-action coupling. *Neural Networks*, *23*, 1017-1025.
- McLaughlin, K. A., Fox, N. A., Zeanah, C. H., Sheridan, M. A., Marshall, P. J., & Nelson, C. A. (2010). Delayed maturation in brain electrical activity partially explains the association between early environmental deprivation and symptoms of Attention-Deficit/Hyperactivity Disorder. *Biological Psychiatry*, *68*, 329-336.
- Vanderwert, R. E., Marshall, P. J., Nelson, C. A., Zeanah, C. H., & Fox, N. A. (2010). Timing of intervention affects brain electrical activity in children exposed to severe psychosocial neglect. *PLoS ONE*, *5*, e11415.
- Drury, S. S., Theall, K. P., Smyke, A. T., Keats, B. J., Egger, H. L., Nelson, C. A., Fox, N. A., Marshall, P. J., & Zeanah, C. H. (2010). Modification of depression by COMT val158met polymorphism in children exposed to early severe psychosocial deprivation. *Child Abuse and Neglect*, *34*, 387-395
- Marshall, P. J. (2010). The development of emotion. *Wiley Interdisciplinary Reviews: Cognitive Science*, *1*, 417-425.
- Reeb-Sutherland, B. C., Vanderwert, R. E., Degnan, K. A., Marshall, P. J., Pérez-Edgar, K., Chronis-Tuscano, A., Pine, D. S., & Fox, N. A. (2009). Attention to novelty in behaviorally inhibited adolescents moderates risk for anxiety. *Journal of Child Psychology and Psychiatry*, *50*, 1365-1372.
- Marshall, P. J. (2009). Relating psychology and neuroscience: Taking up the challenges. *Perspectives on Psychological Science*, *4*, 113-125.
- Marshall, P. J., & Kenney, J. W. (2009). Biological perspectives on the effects of early psychosocial experience. *Developmental Review*, *29*, 96-119.
- Marshall, P. J., Bouquet, C. A., Shipley, T. F., & Young, T. (2009). Effects of brief imitative experience on EEG desynchronization during action observation. *Neuropsychologia*, *47*, 2100-2106.
- Marshall, P. J., & Shipley, T. F. (2009). Event-related potentials to point-light displays of human actions in 5-month-old infants. *Developmental Neuropsychology*, *34*, 368-377.
- Marshall, P. J., Reeb, B. C., & Fox, N. A. (2009). Electrophysiological responses to auditory novelty in temperamentally different 9-month-old infants. *Developmental Science*, *12*, 568-582.

- Fisher, K. R., Marshall, P. J., & Nanayakkara, A. R. (2009). Motivational orientation, error monitoring, and academic performance in middle childhood: A behavioral and electrophysiological investigation. *Mind, Brain, and Education, 3*, 56-63.
- Ghera, M. M., Marshall, P. J., Fox, N. A., Zeanah, C. H., Nelson, C. A., Smyke, A. T., & Guthrie, D. (2009). The effects of foster care intervention on socially deprived institutionalized children's attention and positive affect: Results from the BEIP study. *Journal of Child Psychology and Psychiatry, 50*, 246-253.
- Zeanah, C. H., Egger, H. L., Smyke, A. T., Nelson, C. A., Fox, N. A., Marshall, P. J., & Guthrie, D. (2009). Institutional rearing and psychiatric disorders in Romanian preschool children. *American Journal of Psychiatry, 166*, 777-785.
- Marshall, P. J., Reeb, B. C., & Fox, N. A. (2008). Effects of early intervention on EEG power and coherence in previously institutionalized children in Romania. *Development and Psychopathology, 20*, 861-880.
- Hane, A. A., Fox, N. A., Henderson, H. A., & Marshall, P. J. (2008). Behavioral reactivity and approach-withdrawal bias in infancy. *Developmental Psychology, 44*, 1491-1496.
- Marx, B. P., Marshall, P. J., & Castro, F. (2008). The moderating effects of stimulus valence and arousal on memory suppression. *Emotion, 8*, 199-207.
- Nelson, C. A., Zeanah, C. H., Fox, N. A., Marshall, P. J., Smyke, A. T., & Guthrie, D. (2007). Cognitive recovery in socially deprived young children: The Bucharest Early Intervention Project. *Science, 318*, 1937-40.
- Smyke, A. T., Koga, S. F., Johnson, D. E., Fox, N. A., Marshall, P. J., Nelson, C. A., Zeanah, C. H., & the BEIP Core Group (2007). The caregiving context in institution reared and family reared infants and toddlers in Romania. *Journal of Child Psychology and Psychiatry, 48*, 210-218.
- Marshall, P. J., & Fox, N. A. (2005). Relations between behavioral reactivity at 4 months and attachment classification at 14 months in a selected sample. *Infant Behavior and Development, 28*, 492-502.
- Fox, N. A., Henderson, H. A., Marshall, P. J., Nichols, K. E., & Ghera, M. M. (2005). Behavioral inhibition: Linking biology and behavior within a developmental framework. *Annual Review of Psychology, 56*, 235-262.
- Marshall, P. J., Fox, N. A., & the BEIP Core Group (2004). A comparison of the electroencephalogram between institutionalized and community children in Romania. *Journal of Cognitive Neuroscience, 16*, 1327-1338.
- Bar-Haim, Y., Fox, N. A., van Meenen, K. M., & Marshall, P. J. (2004). Children's narratives and patterns of cardiac reactivity. *Developmental Psychobiology, 44*, 238-249.
- Henderson, H. A., Marshall, P. J., Fox, N. A., & Rubin, K. H. (2004). Psychophysiological and behavioral evidence for varying forms and functions of nonsocial behavior in preschoolers. *Child Development, 75*, 251-263.
- Marshall, P. J., Bar-Haim, Y., & Fox, N. A. (2004). The development of P50 suppression in the auditory event-related potential. *International Journal of Psychophysiology, 51*, 135-141.

- Zeanah, C. L., Nelson, C. A., Fox, N. A., Smyke, A. T., Marshall, P., Parker, S. W., & Koga, S. (2003). Designing research to study the effects of institutionalization on brain and behavioral development: The Bucharest Early Intervention Project. *Development and Psychopathology*, *15*, 885-907.
- Burgess, K. B., Marshall, P. J., Rubin, K. H., & Fox, N. A. (2003). Infant attachment and temperament as predictors of subsequent externalizing problems and cardiac physiology. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, *44*, 819-831.
- Bar-Haim, Y., Marshall, P. J., Fox, N. A., Schorr, E., & Gordon-Salant, S. (2003). Mismatch negativity in socially withdrawn children. *Biological Psychiatry*, *54*, 17-24.
- Marshall, P. J., Bar-Haim, Y., & Fox, N. A. (2002). Development of the EEG from 5 months to 4 years of age. *Clinical Neurophysiology*, *113*, 1199-1208.
- Bar-Haim, Y., Marshall, P. J., and Fox, N. A. (2000). Developmental changes in high-frequency heart rate variability from 4 months to 4 years of age. *Developmental Psychobiology*, *37*, 44-56.
- Marshall, P. J., Fox, N. A., & Henderson, H. A. (2000). Temperament as an organizer of development: Commentary on Campos et al. (2000), Travel broadens the mind. *Infancy*, *1*, 239-244.
- Stevenson-Hinde, J., & Marshall, P. J. (1999). Behavioral inhibition, heart period, and respiratory sinus arrhythmia: An attachment perspective. *Child Development*, *70*, 805-816.
- Marshall, P. J. & Stevenson-Hinde, J. (1998). Behavioral inhibition, heart period, and respiratory sinus arrhythmia in young children. *Developmental Psychobiology*, *33*, 283-292.

Edited Books Published

- Marshall, P. J., & Fox, N. A. (2006). *The development of social engagement: Neurobiological perspectives*. New York: Oxford University Press.

Book Chapters Published

- Meltzoff, A. N., Williamson, R. A., & Marshall, P. J. (in press). Developmental perspectives on action science: Lessons from infant imitation and cognitive neuroscience. In W. Prinz, M. Beisert, & A. Herwig (Eds.). *Tutorials in action science*. Cambridge, MA: MIT Press.
- Marshall, P. J., & Fox, N. A. (2007). Electrophysiological measures in research on social and emotional development. In L. A. Schmidt & S. J. Segalowitz (Eds.). *Developmental psychophysiology* (p. 127-149). New York: Cambridge University Press.
- Marshall, P. J., & Fox, N. A. (2007). The utility of infant EEG and ERP in studying emotional development. In M. de Haan (Ed.), *Infant EEG and event-related potentials* (p. 227-250). Hove, UK: Psychology Press.
- Fox, N. A., Schmidt, L. A., Henderson, H. A., & Marshall, P. J. (2007). Developmental psychophysiology: Conceptual and methodological perspectives. In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson (Eds.), *Handbook of psychophysiology* (3rd ed., p. 453-481). New York: Cambridge University Press.

- Marshall, P. J., & Fox, N. A. (2006). Biological approaches to the study of social engagement. In Marshall, P. J., & Fox, N. A. (Eds.), *The development of social engagement: Neurobiological perspectives* (p. 3-18). New York: Oxford University Press.
- Fox, N. A., Henderson, H. A., & Marshall, P. J. (2001). The biology of temperament: An integrative approach. In C. A. Nelson & M. Luciana (Eds.), *Handbook of developmental cognitive neuroscience* (p. 631-646). Cambridge, MA : MIT Press.
- Marshall, P. J., & Stevenson-Hinde, J. (2001). Behavioral inhibition: Physiological correlates. In W. R. Crozier, and L. E. Alden, (Eds.), *International Handbook of Social Anxiety* (pp. 53-76). Chichester: John Wiley. Reprinted in 2005 in W. R. Crozier and L. E. Alden (Eds.), *The essential handbook of social anxiety for clinicians* (p. 57-80). Chichester, UK: John Wiley.
- Marshall, P. J., & Fox, N. A. (2000). Emotion regulation, depression, and hemispheric asymmetry. In S. Johnson, A. Hayes, T. Field, N. Schneiderman, & P. McCabe (Eds.), *Stress, coping and depression* (p. 35-50). Mahwah, NJ : Lawrence Erlbaum.

Paper Presentations and Invited Addresses

- Marshall, P. J. (August, 2011). Exploring the EEG mu rhythm in infancy. Invited presentation given to meeting of P01 Program Project group on Development and Functions of the Mirror Neuron System, College Park, MD.
- Marshall, P. J., & Meltzoff, A. N. (March, 2011). Neural mirroring systems: Exploring the EEG mu rhythm in infancy. Paper presentation at the biennial meeting of the Society for Research in Child Development, Montreal, QC.
- Saby, J. N., & Marshall, P. J. (March, 2011). EEG methods in the study of early social development: Progress and caveats. Paper presentation at the biennial meeting of the Society for Research in Child Development, Montreal, QC.
- Marshall, P. J. (April, 2010). A developmental social neuroscience approach to perception-action relations. Invited talk to the Research in Spatial Cognition group, Department of Psychology, Temple University.
- Marshall, P. J. (January, 2010). A developmental social neuroscience approach to perception-action relations. Invited address at the US-Japan Workshop on the Development of the Social Brain, Tokyo, Japan.
- Marshall, P. J. (March, 2009). Conceptualizing brain and mind: The view from embodied cognition. Proseminar in the Department of Psychology, Temple University.
- Marshall, P. J. (March, 2009). Perception-action interactions: The mirror system and beyond. Brown-bag presentation, Department of Psychology, Temple University.
- Marshall, P. J. (October, 2008). Extending the classroom through collaborative projects. Invited presentation to the Instructional Technology User Group at Temple University.
- Marshall, P. J. (October, 2008). Relating Psychology and Neuroscience: Taking up the challenges. Brown-bag presentation, Department of Psychology, Temple University.
- Marshall, P. J. (September, 2008). Neurobiological perspectives on the effects of early institutional experience: The Bucharest Early Intervention Project. Invited presentation as part of the Neuroscience Program at Temple University.

- Marshall, P. J. (April, 2008). A developmental social neuroscience approach to perception-action relations. Invited brown-bag presentation at the Center for Children, Relationships, and Culture, University of Maryland, College Park, MD.
- Marshall, P. J. (February, 2008). A developmental social neuroscience approach to perception-action relations. Invited brown-bag presentation at the Institute for the Study of Child Development, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ.
- Marx, B., Marshall, P. J, Castro, F. (November, 2007). The moderating effects of stimulus valence and arousal on memory suppression. Paper presented at the 23rd annual meeting of the International Society for Traumatic Stress Studies, Baltimore, MD.
- Marshall, P. J., & Fox, N. A. (April, 2007). Electroencephalographic effects of early intervention in institutionalized children. Paper presentation at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- ShIPLEY, T. F., Marshall, P. J., & Bouquet, C. (November, 2006). Learning to imitate: EEG analysis of sequential attempts to imitate complex hand movements. Paper presentation at the annual meeting of the Psychonomic Society, Houston, TX.
- Marshall, P. J. (September, 2006). Blogs and Wikis: Inspiring and tracking student collaboration using Blackboard. Invited presentation to the Instructional Technology User Group at Temple University.
- Marshall, P. J. (September, 2006). Electroencephalographic effects of early intervention in institutionalized children. Invited colloquium at the School of Education, University of Delaware, Newark, DE.
- Marshall, P. J., & Hardin, M. G. (April, 2005). Event-related potentials to auditory novelty at 9 months of age in relation to infant temperament. Paper presentation at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Marshall, P. J., & Fox, N. A. (April, 2005). EEG power and coherence in children in institutions and in foster care in Romania. Paper presentation at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Marshall, P. J. (March, 2004). An analysis of the EEG in institutionalized children in Romania. Invited brown-bag at the Department of Psychology, George Mason University, Fairfax, VA.
- Marshall, P. J. (October, 2003). The development of the EEG in institutionalized children in Romania. Paper presentation at the meeting of the American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
- Marshall, P. J. (October, 2003). Temperamental approach and withdrawal tendencies: Recent psychophysiological perspectives. Invited brown-bag at the Department of Psychology, University of Miami, Miami, FL.
- Marshall, P. J. (July, 2003). EEG measures of central nervous system development in institutionalized infants and young children in Romania. Invited brown-bag at the Oregon Social Learning Center, Eugene, OR.
- Marshall, P. J. (April, 2003). Electrophysiological methods for studying brain-behavior relations. Paper presentation at the biennial meeting of the Society for Research in Child Development, Tampa, FL.

- Marshall, P. J., & Fox, N. A. (April, 2003). Electrophysiological measures of auditory novelty processing among institutionalized and community infants and children in Romania. Paper presentation at the biennial meeting of the Society for Research in Child Development, Tampa, FL.
- Marshall, P. J., Flanagan, S. P., & Fox, N. A. (October, 2002). ERP and autonomic responses to unattended auditory oddball stimuli during anticipation of an aversive stimulus. Paper presentation at the annual meeting of the Society for Psychophysiological Research, Washington, DC.
- Marshall, P. J., & Fox, N. A. (April, 2002). The development of the EEG in institutionalized infants and young children in Romania. Paper presentation at the biennial meeting of the International Society on Infant Studies, Toronto, ON.
- Marshall, P. J. (October, 2001). Development of EEG power spectra from 5 months to 4 years of age. Paper presentation at the annual meeting of the Society for Psychophysiological Research, Montreal, QC.
- Bar-Haim, Y., & Marshall, P. J., (April, 2001). Auditory sensory processing in socially withdrawn children. Paper presentation at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.
- Marshall, P. J., & Burgess, K. B. (April, 2001). Do attachment and temperament predict behavioral adjustment and physiology at age 4 years? Paper presentation at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.
- Marshall, P. J., & Fox, N. A. (September, 2000). Central and peripheral correlates of approach and withdrawal tendencies across childhood. Invited presentation at the Occasional Temperament Conference, Mystic, CT.
- Henderson, H. A., & Marshall, P. J., (April, 1999). Behavioral inhibition and frontal asymmetry: Relations to social development in middle childhood. Paper presentation at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.
- Marshall, P. J. (October, 1998) Attention and vagal regulation in 2-year-olds. Paper presentation at the annual meeting of the Society for Psychophysiological Research, Denver, CO.
- Marshall, P. J. (July, 1997). The Madingley studies of behavioural inhibition. The selected sample at 4.5 and 7 years: Cardiac reactivity. Paper presentation at the International Conference on Self-consciousness and Shyness, University of Wales at Cardiff, UK.

Poster Presentations

- Quandt, L. C., Marshall, P. J., & Shipley, T. F. (September, 2011). EEG responses to observed gestures vary with somatosensory expectations. Poster presented at the annual meeting of the Society for Psychophysiological Research, Boston, MA.
- Saby, J. N., Sartor, C. E., Meltzoff, A. N., & Marshall, P. J. (March, 2011). Cross-modal repetition suppression of the infant mu rhythm response to action observation: New directions. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC.
- Saby, J. N., Smythe, R., Sartor, C. E., & Marshall, P. J. (March, 2011). Effects of perceived agency and biological versus non-biological motion on motor contagion in four-year-old

- children. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC.
- Quandt, L. C., Marshall, P. J., & Shipley, T. F. (April, 2011). Is the EEG mu rhythm sensitive to the predicted outcomes of observed actions? Presented at the annual meeting of the Cognitive Neuroscience Society in San Francisco, CA.
- Quandt, L. C., Marshall, P. J., Bouquet, C. A., Young, T., & Shipley, T. F. (September, 2010). The effect of visual and motor experience during early stages of imitative learning. Poster presented at the annual meeting of the Society for Psychophysiological Research, Portland, OR.
- Marshall, P. J., Meltzoff, A. N., Sartor, C. E., & Young, T. (March, 2010). EEG desynchronization during action observation and action execution at 14 months of age. Poster presented at the biennial meeting of the International Society on Infant Studies, Baltimore, MD.
- Marshall, P. J., McCann, S. M., & Meltzoff, A. N. (March, 2010). Self-Perception: Responses to temporal and spatial manipulations in displays of self-produced movement at 5 Months. Poster presented at the biennial meeting of the International Society on Infant Studies, Baltimore, MD.
- Marshall, P. J., Schimeneck, B. J., & Meltzoff, A. N. (March, 2010). Infant looking behavior during maternal interactions at 5 Months: Double video vs. face-to-face. Poster presented at the biennial meeting of the International Society on Infant Studies, Baltimore, MD.
- Vanderwert, R. E., Reeb-Sutherland, B. C., Marshall, P. J., Fox, N. A. (March, 2010). Early intervention effects on the developing EEG: Recent findings from the Bucharest Early Intervention Project (BEIP). Poster presented at the biennial meeting of the International Society on Infant Studies, Baltimore, MD.
- Funk, A. Y., Sartor, C. E., & Marshall, P. J. (May, 2009). The development of children's conceptualizations of brain and mind: Implications for education. Poster presented at the biennial conference of the International Mind, Brain, and Education Society, Philadelphia, PA.
- Schimeneck, B. J., McCann, S. M., LaFrance, L. N., Sartor, C. E., Meltzoff, A. N., & Marshall, P. J. (April, 2009). Behavioral reactions of 5-month-olds to live versus delayed video images of their mothers. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- McCann, S. M., Schimeneck, B. J., LaFrance, L. N., Sartor, C. E., Meltzoff, A. N., & Marshall, P. J. (April, 2009). Perception of the bodily self in 5-month-old infants: Manipulation of viewpoints and temporal delay. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Thomas, A. L., Marshall, P. J., Bouquet, C. A., & Shipley, T. F. (April, 2009). Studying motor contagion in four-year-old children. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Castro, F., Sandt, A. R., & Marshall, P. J. (October, 2008). Postauricular reflex potentiation during safe/threat associative learning. Poster presented at the annual meeting of the Society for Psychophysiological Research, Austin, TX.

- Marshall, P. J., Shipley, T. F., Fisher, K., LaFrance, L., & Catella, S. J. (March, 2008). Event-related EEG mu rhythm responses to point-light actions in 5-month-old infants. Poster presented at the biennial meeting of the International Society on Infant Studies, Vancouver, BC.
- Reeb, B. C., Marshall, P. J., & Fox, N. A. (March, 2008). Temperamental differences in electrophysiological responses to auditory novelty in 3-year-old children. Poster presented at the biennial meeting of the International Society on Infant Studies, Vancouver, BC.
- Shipley, T. F., Marshall, P. J., Bouquet, C. (August, 2007). Perception-action coupling in learning new skills: EEG analysis of imitation of hand movements. Poster presented at the European Conference on Visual Perception, Arezzo, Italy.
- Catella, S. J., LaFrance, L., Burden, L. M., Shipley, T. F., & Marshall, P. J. (July, 2007). Behavioral and neurophysiological assessment of perception-action interactions in preschool children. Invited poster presented at NSF/Autism Speaks workshop on Neurocognitive Development and Autism, Arlington, VA.
- Fisher, K. R., Nanayakkara, A., & Marshall, P. J. (May, 2007). Neurophysiological and behavioral correlates of error monitoring and student motivation. Poster presented at the meeting of the Jean Piaget Society, Amsterdam, The Netherlands.
- Fitzhugh, S. L., Shipley, T. F., & Marshall, P. J. (May, 2007). The relation between motor cortex activity and perception of form coherence for biological motion stimuli. Poster presented at the meeting of the Vision Sciences Society, Sarasota, FL.
- Fisher, K. R., Marshall, P. J., & Shipley, T. F. (March, 2007). Activation of the infant mirror neuron system during observation of point-light walkers. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Catella, S. J., LaFrance, L., Burden, L. M., Shipley, T. F., & Marshall, P. J. (March, 2007). Behavioral and neurophysiological assessment of perception-action interactions in preschool children. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Castro, F., Marx, B. P., Marshall, P. J., & Soler-Baillo, J. M. (November, 2006). The moderating effect of emotion in suppressing unwanted memories. Poster presented at the annual convention of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
- Hardin, M., Marshall, P. J., & Fox, N. A. (May, 2004). Electrophysiological indices of auditory novelty processing in temperamentally selected 9-month-old infants. Poster presented at the International Conference on Infant Studies, Chicago, IL.
- Lozano, D. I., Raine, A., Baker, L. A., Bezdjian, S., & Marshall, P. J. (October, 2002). Reduced mismatch negativity in violent children. Poster presented at the annual meeting of the Society for Psychophysiological Research, Washington, DC.
- Marshall, P. J., Bar-Haim, Y., & Schorr, E. (October, 2001). Mismatch negativity to tones and speech stimuli in middle childhood. Poster presented at the annual meeting of the Society for Psychophysiological Research, Montreal, Canada.
- Marshall, P. J., Bar-Haim, Y., & Fox, N. A. (October, 2000). Mismatch negativity and P50 gating in middle childhood. Poster presented at the annual meeting of the Society for Psychophysiological Research, San Diego.

Himmelfarb, D., Marshall, P. J., Bar-Haim, Y., & Fox, N. A. (July, 2000). Relations of early negative reactivity to later social behavior, internalizing problems, and cardiac patterns: Effects of stimulus modality. Poster presented at the biennial meeting of the International Society on Infant Studies, Brighton, UK.

Marshall, P. J., & Fox, N. A. (October, 1999). Cortical influences on high-frequency heart period variability. Poster presented at the annual meeting of the Society for Psychophysiological Research, Granada, Spain.

Marshall, P. J., & Stevenson-Hinde, J. (April, 1995). Behavioural inhibition and heart period in young children. Poster presented at the biennial meeting of the Society for Research in Child Development, Indianapolis, IN.

Internal Grant Support from Temple University

Study Leave, Fall 2007

OVRP Research Incentive Fund award, 2007

CLA Research Incentive Fund award, 2007

Summer Fellowship, 2006

Electrophysiological correlates of action perception and imitation in children

Tobacco Formula Funding (Temple): Individual Investigator Award

Project period: 01/06 - 06/07

\$50,000 direct costs, \$58,145 total costs

External Grants and Awards

Infants processing of actions and goals: A social neuroscience approach

NIH (NICHD)

Role: PI

Project period: 07/11 - 06/13

\$275,000 direct costs, \$420,750 total costs (R21 mechanism)

The neuroscience of action processing in infancy

University of Washington

Role: PI

Project period: 10/10 - 09/11

\$30,000 direct costs

A developmental social neuroscience approach to perception-action relations

NSF

Project period: 08/07 - 07/11

Role: PI

\$402,150 direct costs, \$577,035 total costs (includes two supplements)

Mastery motivation and error monitoring in gifted children: Behavioral and neurophysiological correlates

Esther Rose Katzen Award

American Psychological Foundation

Project period: 09/05 - 06/07

Role: PI

\$25,000 direct costs

Electrophysiology and temperament in institutionalized children: A comparison with foster care
MacArthur Network on Early Experience and Brain Development Junior Faculty Award

Project period: 03/01 - 03/04

Role: PI

\$104,000 direct costs

Incentive motivation, coping style, and EEG asymmetry

B/START (R03) award for new investigators

NIH (NIMH)

Project period 09/98 - 08/00

Role: PI

\$25,000 direct costs, \$37,500 total costs

Teaching Experience at Temple University

NSI 2121

Development, Plasticity, and Repair

PSYCH 2196

Introduction to Scientific Thinking and Design in Psychology

PSYCH 3301

Phases of Development: Infancy

PSYCH 3306

Neuroscience of Development and Aging

PSYCH 8510

Graduate-level Topical Seminar in Developmental Psychology

Undergraduate Students Mentored at Temple University

Students supervised for research credit: Heather Babyar, Brandi Baldwin, Rachel Caulfield, Dagmawi Dagnaw, Amanda Funk, Christianna Kane, Josh Kline, Patricia Hearons, Lauren LaFrance, Jamie Matthews, Seth McCann, Inara O’Gorman, Kate Ridge, Ian Ross, Kat Ruopp, Neete Saha, Sarah Sanders, Ben Schimeneck, Jessica Shaffer, Perna Sharma, Alfi Thazhathel, Amanda Thomas, Erika Updegrave, Briana Viscomi, Jennette von Bargen, Yanlian Wang (also McNair Summer Scholar, 2010 and McNair Peer Teacher, Fall 2011).

Students advised in Summer Research Opportunities Program (SROP): LaToya Burden (2006), Amanda Thomas (2008, 2009), Kendra Prussien (2009).

Psychology Honors students advised: LaToya Burden, Hayley Haaf, Seth McCann, Jessica Shaffer.

Doctoral Committee Service at Temple University

Thesis

<u>Defence</u>	<u>Candidate</u>	<u>Department</u>	<u>Role</u>
09/05	Michael Lewis	Psychology	Reader
12/05	Anthony Dick	Psychology	Reader
03/06	Kathy Scott	Comm. Sciences	Reader
03/06	Kristina Hedtke	Psychology	Reader

06/06	Shane Templar-Eynon	PSE	Member
06/06	Aleta Angelosante	Psychology	Reader
07/06	Jennifer Heidt	Psychology	Reader
10/06	Shannon Pruden	Psychology	Reader
12/06	Henry Tran	Psychology	Reader
07/07	Jennifer Davis	Psychology	Reader
08/07	Sari Gold	Psychology	Reader
05/08	Jeannette Smith	Psychology	Member
05/09	Jennifer Bubier	Psychology	Reader
07/09	Frank Castro	Psychology	Member
11/09	Brianne Bettcher	Psychology	Reader
03/10	Jami Furr	Psychology	Reader
04/10	Bing Shi	Psychology	Reader
05/10	Amanda Breen	Psychology	Reader
06/10	Betsy Wurstner	Psychology	Member
06/10	Rachel Kessler	Psychology	Reader
07/10	Tilbe Goksun	Psychology	Member
08/10	Sarah Roseberry	Psychology	Member
10/10	Justin Kenney	Psychology	Member
12/10	George Portugal	Psychology	Reader
12/10	Julia Parish-Morris	Psychology	Member
01/11	Jessica André	Psychology	Reader
05/11	Alexandra Twyman	Psychology	Member
05/11	Mark Holden	Psychology	Reader
06/11	Nicole Noll	Psychology	Member
07/11	Johanna Carpenter	Psychology	Reader
07/11	Dustin Albert	Psychology	Member
08/11	Michelle Bovin	Psychology	Member
TBA	Emily Bisen-Hirsh	Psychology	Member

Departmental and University Service at Temple University

2010-	Area Director (Developmental), Department of Psychology
2010-	Representative Faculty Senator
2009-	Faculty Mentor for Psi Chi
2006-	Undergraduate Committee, Department of Psychology
2010-11	Neuroscience Search Committee, Dept. of Psychology
2008-09	Neuroscience Search Committee, Dept. of Psychology
2006-07	Cognitive Neuroscience Search Committee, Dept. of Psychology
2004-05	Cognitive Neuroscience Search Committee, Dept. of Psychology

Journal Review Service

2010-	Member, Editorial Board, <i>Development and Psychopathology</i>
2003-	Member, Editorial Board, <i>Infancy</i>

2005-06 Member, Editorial Board, *SRCD Monographs*
 Ad hoc: *American Journal of Psychology, Biological Psychiatry, Biological Psychology, Brain and Cognition, Brain and Development, Child Development, Clinical Neurophysiology, Cognition, Cognitive Psychology, Development and Psychopathology, Developmental Cognitive Neuroscience, Developmental Neuropsychology, Developmental Psychobiology, Developmental Psychology, Developmental Review, Developmental Science, Emotion, Human Development, Infant Behavior and Development, International Journal of Psychophysiology, Journal of Applied Developmental Psychology, Journal of Clinical Child and Adolescent Psychology, Journal of Child Psychology and Psychiatry, Journal of Cognitive Neuroscience, Journal of Experimental Child Psychology, Journal of Traumatic Stress, Neuropsychologia, Neuroscience Letters, Neuropsychology Review, Perspectives on Psychological Science, PNAS, Psychological Science, Social Neuroscience, Topics in Language Disorders.*

Other Service

2011- Member, NIH Study Section on Psychosocial Development, Risk and Prevention (PDRP). Term ends June, 2015.
 2010 Temporary reviewer, NIH Study Section on Psychosocial Development, Risk and Prevention (PDRP).
 2010 Reviewer, NICHD Human-Animal Interaction Study Section.
 2010 Reviewer, NIH Special Emphasis Study Section on Risk Prevention and Health Behavior (RPHB).
 2009 Temporary reviewer, Institute of Education Sciences (IES) review panel for Early Intervention and Early Childhood Education proposals.
 2005- Ad-hoc grant proposal reviewer for National Science Foundation.
 2005 Reviewer for Academy of Finland grant proposals.
 2004- Ad-hoc book proposal and book chapter reviews for various publishers including Cambridge University Press and Oxford University Press.