

## CURRICULUM VITAE

**Amie Ashley Hane, Ph.D.**

### Address

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### Personal

Born: November 8, 1974

Place of Birth: Baltimore, MD

### Education

August, 2002	University of Maryland Graduate School Baltimore, MD Applied Developmental Psychology Program	Ph.D. Applied Developmental Psychology
May, 1999	University of Maryland Graduate School Baltimore, MD Applied Developmental Psychology Program	M.A. Applied Developmental Psychology
May, 1996	University of Maryland, Baltimore County Baltimore, MD	B. A. Psychology ( <i>Magna Cum Laude &amp; with Departmental Honor</i> )

### Academic Appointments

Summer, 2006- Present	<i>Assistant Professor</i> Department of Psychology Williams College
Summer, 2007- Present	<i>Adjunct Associate Research Scientist</i> Communication Sciences Department of Child and Adolescent Psychiatry College of Physicians and Surgeons Columbia University
Fall, 2006- Present	<i>Faculty Affiliate</i> Department of Human Development University of Maryland, College Park

- Fall, 2005 *Assistant Professor (part-time)*  
Department of Psychology  
University of Maryland, Baltimore County
- Fall 2004-  
Spring 2006 *Research Assistant Professor*  
Institute for Child Study  
University of Maryland, College Park
- Fall, 2002-  
Fall, 2004 *Faculty Research Associate*  
Institute for Child Study  
University of Maryland, College Park
- Fall, 2001-  
Spring, 2002 *Assistant Professor (part-time)*  
Department of Psychology  
University of Maryland, Baltimore County
- Spring, 2001 *Course Instructor*  
Department of Psychology  
University of Maryland, Baltimore County
- Fall, 1996-  
Summer, 2002 *Co-Investigator, Project Coordinator*  
Mother-Infant Communication Development Project  
University of Maryland, Baltimore County
- June, 1996-  
August, 2001 *Academic Advisor (Part-time)*  
University of Maryland, Baltimore County
- Fall, 2000 *Teaching Assistant (Level II)*  
Course: Experimental Design and Analysis II  
University of Maryland, Baltimore County
- Spring, 1999 *Teaching Assistant (Level II)*  
Course: Data Analytic Procedures II (Graduate level,  
multivariate)  
University of Maryland, Baltimore County
- Fall, 1998 *Teaching Assistant (Level II)*  
Course: Data Analytic Procedures I (Graduate level, univariate)  
University of Maryland, Baltimore County
- Fall, 1996-  
Spring, 1998 *Teaching Assistant (Level I)*  
Course: Experimental Design and Analysis II  
University of Maryland, Baltimore County

### **Clinical Experience**

- June, 1998-  
January, 1999 *Pediatric Neuropsychology Extern*  
Department of Neuropsychology  
Mount Washington Pediatric Hospital  
Baltimore, Maryland

November, 1995-  
August, 1999      *Mental Health Associate*  
Department of Pediatric Psychiatry  
University of Maryland Medical System

### **Awards/Honors**

2006      *NIH Student Loan Repayment Program Recipient*  
Pediatric Research

2001      *Dissertation Fellowship*  
University of Maryland Graduate School  
Baltimore, MD

2000      *Distinguished Student Research Assistantship*  
Applied Developmental Psychology Program  
University of Maryland, Baltimore County

1996      *Summer Research Award*  
The Honors College  
University of Maryland, Baltimore County

1995      *Departmental Honors*  
Department of Psychology  
University of Maryland, Baltimore County

### **Articles and Chapters**

Hie, J.H., Degnan, K.A., Martin McDermott, J., M., Henderson, H.A., **Hane, A.A.**, & Hane, N.A. (under revision). Anger and Approach Motivation in Infancy: Relations to Early Childhood Inhibitory Control and Behavior Problems. Paper Submitted to *Infancy*, August, 2008.

**Hane, A. A.**, Cheah, C., Rubin, K. H., & Fox, N.A.. (2008). The role of maternal behavior in the relation between shyness and social withdrawal in early childhood and social withdrawal in middle childhood. *Social Development*, *17*, 795-811.

**Hane, A. A.**, Fox, N. A., Henderson, H., & Marshall, P. J. (2008). Early behavioral reactivity and approach-withdrawal bias in infancy. *Developmental Psychology*, *44*, 1491-1496.

Fox, N.A., & **Hane, A. A.** (2008). Studying the Biology of Human Attachment. In P. Shaver & J. Cassidy (Eds.), *Handbook of Attachment*, 2<sup>nd</sup> edition (pp. 217-240). New York, NY: Guilford Press.

**Hane, A. A.**, & Fox, N. A. (2007). A closer look at the transactional nature of early social development: The relations among early caregiving environments, temperament, and early social development and the case for phenotypic plasticity. In F. Santoianni & C. Sabatano (Eds.), *Brain Development in Learning Environments: Embodied and Perceptual Advancements* (pp. 1-15). Newcastle, UK: Cambridge Scholars Publishing.

Fox, N.A., **Hane, A.A.**, & Pine, D.S. (2007). Plasticity for affective neurocircuitry: How the environment affects gene expression *Current Directions in Psychological Science*, *16*, 1-5.

**Hane, A.A.**, Fox, N.A., Polak-Toste, C., Ghera, M.M., Guner, B. (2006). Contextual basis of maternal perceptions of infant temperament. *Developmental Psychology*, *42*, 1077-1088.

**Hane, A. A.**, & Fox, N. A. (2006). Ordinary variations in maternal caregiving of human infants influence stress reactivity. *Psychological Science*, *17*, 550-556.

Ghera, M. M., **Hane, A. A.**, Malesa, E. M., & Fox, N. A. (2006). The role of infant soothability in the relation between infant negativity and maternal sensitivity. *Infant Behavior and Development*, *29*, 289-293.

Fox, N. A., **Hane, A. A.**, & Perez-Edgar, K. (2006). Psychophysiological methods for the study of developmental psychopathology. In D. Cicchetti (Ed.), *Developmental Psychopathology*, 2<sup>nd</sup> edition, (pp. 381-426). Hoboken, NJ: John Wiley and Sons Inc.

Feldstein, S., **Hane, A.A.**, Morrison, B.M., & Huang, K. (2004). Relation of the Australian Postnatal Attachment Questionnaire to the Attachment Q-set. *Journal of Reproductive and Infant Psychology*, *22*, 111-121.

**Hane, A. A.**, Feldstein, S., & Dernetz, V.H. (2003). The relation between coordinated interpersonal timing and maternal sensitivity in four-month-old infants. *Journal of Psycholinguistic Research*, *32*, 615-629.

Benhorin, R., **Hane, A.A.**, & Morrison, B.M. (2001). The relation of maternal self-efficacy to mother-infant attachment: A longitudinal study. *UMBC Review*, *2*, 14-31.

### **Manuscripts in Preparation**

**Hane, A.A.** , Ghera, M. M., VanderWalde, H., & Fox, N.A. *Infant temperament, mother-child interactive affect, and behavior problems in early childhood.*

**Hane, A.A.** & Fox, N.A. *Quality of Maternal Caregiving Behavior in Infancy and Stress Reactivity in Early Childhood: A Follow-up Study.*

Degnan, K., **Hane, A.A.**, & Fox, N.A. *The Developmental Trajectory of Behavioral Exuberance.*

### **Professional Presentations**

**Hane, A.A.**, & Zimmerberg, B. (November, 2008). Antecedents and sequelae of early maternal relationships: Behavioral, neural and physiological factors across development. Symposium organized and accepted as the *Sackler Symposium* for the forthcoming annual meeting of the International Society for Developmental Psychobiology, Washington, DC.

**Hane, A.A.** (November, 2008). From licking and grooming to bathing and dressing: Prenatal stress, quality of maternal caregiving behavior, and neonatal stress reactivity in humans. Presented in the symposium organized and chaired by **A.A. Hane** & B. Zimmerberg entitled *Antecedents and sequelae of early maternal relationships: Behavioral, neural and physiological*

*factors* across development to be presented as a paper at the annual meeting of the International Society for Developmental Psychobiology, Washington, DC.

**Hane, A.A.**, Ghera, M.M., VanderWalde, H., & Fox, N.A. (August, 2008). *Temperament, mother-child interactive affect, and early childhood behavior problems*. Paper submitted for presentation at the annual meeting of the American Psychological Association, Boston, MA, August, 2008.

Ghera, M.M., **Hane, A.A.**, & Fox, N.A. (August, 2008). *Differential Influences on the Expression of Compliance in Childhood*. Paper submitted for presentation at the annual meeting of the American Psychological Association, Boston, MA, August, 2008.

**Hane, A.A.** (April, 2008). *Nature and nurture revisited: Early experience and the developing brain*. Keynote address for the 7<sup>th</sup> Annual Advanced Placement Psychology Conference, Brooklandville, MD.

Degnan, K.A., **Hane, A.A.**, Henderson, H.A., Martin McDermott, J.N., Samad, N., & Fox, N.A. (March, 2008). *Temperament trajectories from 4 to 24 months: Mitigating factors across multiple levels of analysis*. Poster presented at the Biennial International Conference on Infant Studies, Vancouver, B.C., Canada.

Ghera, M.M., **Hane, A.A.**, & Fox, N.A. (March, 2007). *Paths to compliance: Differing influences of approach/avoidance, and maternal behavior in positive and negative infants*. Poster presented at Biennial Meeting of the Society for Research in Child Development. Boston, MA.

Holly, L., Degnan, K. A., **Hane, A. A.**, & Fox, N. A. ( March, 2007). *The Relation between infant temperamental reactivity and subsequent inhibition and risk-taking in toddlerhood*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.

**Hane, A. A.** & Fox, N. A. (March, 2007). *The biological consequences of maternal caregiving: Elucidating mechanisms of influence in the effects of early rearing environments on development*. Presented in the symposium organized and chaired by **A.A. Hane** & N.A. Fox entitled *The Biological Consequences of Maternal Caregiving* at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.

Leith, J., Ghera, M.M., **Hane, A. A.**, & Fox, N.A. (March, 2006). *Early temperamental reactivity, infant bids for attention, and quality of maternal responsiveness*. Poster presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.

**Hane, A. A.**, & Ghera, M. M. (April, 2005). *The role of mother-infant interaction in early emotional development: The case for interactive context*. Paper presented at the symposium entitled *Setting the Trajectories for Social Competence: Temperament, Caregiving, and Context* at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.

**Hane, A. A.**, & Feldstein, S. (April, 2005). *The differential function of early maternal and infant vocal coregulation in the growth of communicative competence*. Paper presented at the symposium organized and chaired by **A. Hane** & S. Feldstein entitled *Temporally-Based Dyadic Processes* at the Biennial meeting of the Society for Research in Child Development, Atlanta, GA.

**Hane, A. A.** & Feldstein, S. S. (May, 2004). *Rhythms of relatedness: The role of early mother-infant vocal coregulation in early social-emotional development*. Paper presented at the invited symposium entitled *Development in the Active Voice: The Relation Between Vocal and Social Development* at the Biennial Meeting of the International Society for Infant Studies, Chicago, IL.

Ghera, M.M., **Hane, A. A.**, & Fox, N. A. (May, 2004). *Predictive and contemporaneous relations between maternal report of infant temperament and observed emotionality during mother-infant interaction*. Presented as a poster at the Biennial Meeting of the International Society for Infant Studies, Chicago, IL.

Malesa, E., Guner, B., **Hane, A.A.**, & Fox, N. A. (May, 2004). *The role of infant gender and caregiving context in the relation between maternal report of infant temperament and quality of subsequent maternal interventions*. Presented as a poster at the Biennial Meeting of the International Society for Infant Studies, Chicago, IL.

Schlenger, A., Ghera, M. M., Hitchcock, I., **Hane, A. A.**, & Fox, N.A. (May, 2004). *The relation between early maternal report of infant temperament and degree of subsequent shared positive affect during mother-infant interactions*. Presented as a poster at the Biennial Meeting of the International Society for Infant Studies, Chicago, IL.

**Hane, A.A.** (April, 2003). *A preliminary examination of the relation between early mother-infant vocal rhythms and internalizing and externalizing behaviors at age two*. Presented as a poster at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.

**Hane, A.A.**, & Feldstein, S. (April, 2003). *The concurrent validity of the expressive and receptive one-word picture vocabulary tests for developmentally normal 2 to 2 ½ year olds*. Paper presented as a poster at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.

Fox, N., & **Hane, A.A.** (November, 2002). *Conundrums in the measurement of social and emotional behavior*. Invited talk given at the workshop for New Directions in Young Children's Socio-Emotional Measures, Washington D.C.

**Hane, A.A.**, Feldstein, S., Huang, K.Y., Morrison, B. (April, 2002). *A dyadic approach to the relation between mother-infant vocal contingency and language development: A preliminary report of longitudinal data*. Paper presented as a poster at the Biennial Meeting of the International Society for Infant Studies, Toronto, Canada, April, 2002.

Huang, K.Y., Feldstein, S., Barr, E., **Hane, A.A.**, & Morrison. (April, 2002). *Preliminary examination of the relation between maternal affect and mother infant coordinated interpersonal timing in 12-month-old infants*. Paper presented as a poster at the Biennial Meeting of the International Society for Infant Studies, Toronto, Canada, April 2002.

Morrison, B.M., Huang, K.Y., **Hane, A.A.**, Peters, J., & Feldstein, S. (April, 2002) *Parenting stress, infant temperament, and parent-infant attachment security*. Paper presented as a poster at the Biennial Meeting of the International Society for Infant Studies, Toronto, Canada, April 2002.

Smith, J., Morrison, B. M., Huang, K.Y., **Hane, A. A.**, & Feldstein, S. (April, 2002). *Parenting stress, infant temperament, and parent-infant attachment security*. Poster presented at the Biennial Meeting of the International Society for Infant Studies, Toronto, Canada.

Huang, K.Y., **Hane, A.A.**, Morrison, B.M., & Feldstein, S. (June, 2001). *Maternal self-efficacy as a moderator in the relation between marital adjustment and mother-infant attachment*. Poster presented at the annual meeting of the American Psychological Society, Toronto, Canada.

Morrison, B. M., Huang, K. Y., **Hane, A.A.**, Peters, J., & Feldstein, S. (June, 2001). *The relation between child birth order, parenting stress, and marital harmony in fathers of 12-month-old infants*. Poster presented at the annual meeting of the American Psychological Society, Toronto, Canada.

Feldstein, S., **Hane, A.A.**, Morrison, B.M., & Huang, KY. (April, 2001). *Relation of the Australian Attachment Questionnaire to the Attachment Q-set: An initial study*. Paper presented as a poster at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.

Huang, K. Y., **Hane, A.A.**, Schoolcraft, S. (April, 2001). *Maternal sensitivity plays no role in the relation between mother-infant attachment and perceived marital adjustment*. Paper presented as a poster at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.

Huang, K. Y., **Hane, A.A.**, Morrison, B., & Feldstein, S. (May, 2000). *Maternal self-efficacy as a moderator in the relation between marital adjustment and mother-infant attachment*. Poster presented at the annual meeting of the American Psychological Society, Miami Beach, FL.

Benhorin, R., **Hane, A.A.**, Dernetz, V. H., Feldstein, S., Morrison, B. M., & Bozylinski, K. (May, 2000). *Ratings of maternal self-efficacy at 4 months do not predict mother-infant attachment at 12 months*. Poster presented at the biennial meeting of the American Psychological Society, Miami, FL.

Morrison, B.M., **Hane, A. A.**, & Feldstein, S. (May, 2000). *Maternal parity and parenting stress do not predict perceptions of marital harmony*. Poster presented at the biennial meeting of the American Psychological Society, Miami, FL.

Morrison, B. M., **Hane, A.A.**, Dernetz, V.H., Raatz, B., Bozylinski, K. L., & Feldstein, S. (March, 2000). *Relations of infant birth order and temperament to perceptions of marital harmony reported by mothers of developmentally normal four-month-old infants*. Poster presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.

**Hane, A.A.**, Dernetz, V.H., Huang, K., Morrison, B., & Feldstein, S. (March, 2000). *Maternal sensitivity and coordinated interpersonal timing at 4 months in relation to mother-infant attachment at 12 months*. Poster presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.

Huang KY, & **Hane A.A.** (April, 2000). *The relation between maternal well-being and maternal sensitivity in 4-month-old infants*. Paper present at 22nd Annual University of Maryland Baltimore Graduate School Research Conference.

**Hane, A.A.**, Feldstein, S., Crown, C., Beebe, B., Jasnow, M., & Jaffe, J. (April, 1999). *The relation between mother-infant vocal coordination to attachment with 12-month-old infants*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.

**Hane, A.A.**, Morrison, B., & Loo, S. (April, 1999). *The relation between maternal sensitivity and coordinated interpersonal timing in four-month-old infants*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.

**Hane, A. A.** (April, 1999) *Temporal aspects of mother-infant interaction: The relation between coordinated interpersonal timing and maternal sensitivity*. Paper presented in a symposium at the 21<sup>st</sup> Annual University of Maryland Baltimore Graduate School Research Conference, Baltimore, MD. (Winner, best research paper in section).

Feldstein, S., **Ashley-Hane, A.**, Hoffman, A., Hoffhines, V. (May, 1998). *Automated estimates of speech rate in dialogues*. Poster presented at the Annual meeting for the American Psychological Society, Washington D.C.

**Ashley, A.M.**, Feldstein, S., Hoffhines, V.L., & White, K.A. (April, 1997). *Mother-toddler attachment and coordinated interpersonal timing during play interactions: A preliminary analysis*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Washington, D.C.

Hoffhines, V.L., White, K.A., **Ashley, A.M.**, & Feldstein, S. (April, 1996). *Pre- and Perinatal adversity, quality of mother-infant attachment, and parenting stress: A preliminary analysis*. Poster presented at the Biennial Meeting of the International Society for Infant Studies, Providence, RI.

### **Ad-hoc Review Experience**

*British Journal of Developmental Psychology*  
*Child Development*  
*Developmental Psychology*  
*Developmental Review*  
*Journal of Child Psychology and Psychiatry*  
*International Journal of Behavioral Development*

### **Directed Undergraduate Thesis Projects**

Tetreault, N. (May, 2008). The relations among pregnancy-specific and generalized prenatal stress, birth outcome, and neonatal stress reactivity. Honors thesis, Department of Psychology, Williams College.

Quinn, H. (May, 2006). The relations among infant temperament, quality of mother child interactive affect, and behavior problems in early childhood. Undergraduate Honors Thesis, Department of Psychology, University of Maryland, College Park.

Delvecchio, D. (May, 2005). The role of maternal behavior in the relation between infant negative reactivity and subsequent behavioral inhibition. Undergraduate Honors Thesis, Department of Psychology, University of Maryland, College Park.

Malesa, E. (May, 2004). The Relation between infant temperamental reactivity and subsequent maternal sensitivity. Undergraduate Honors Thesis, Department of Psychology, University of Maryland, College Park.

Schlenger, A. (May, 2004). The relation between infant temperament and the affective quality of mother-infant interaction. Undergraduate Honors Thesis, Department of Psychology, University of Maryland, College Park.

Benhorin, R. (May, 2001). The relation of maternal self-efficacy to mother-infant attachment: A longitudinal study. Undergraduate Honors Thesis, Department of Psychology, University of Maryland, Baltimore County.

Morrison, B. M. (May, 2000). Relations of infant birth order and temperament to perceptions of marital harmony reported by mothers of developmentally normal four-month-old infants. Undergraduate Honors Thesis, Department of Psychology, University of Maryland, Baltimore County.

### **Master's Thesis Committees**

Laura Scaletti, Applied Developmental Psychology, University of Maryland, Baltimore County.

### **Doctoral Committees**

Bella M. Guner, Candidate, Human Development, University of Maryland, College Park.

Melissa M. Ghera, Human Development, University of Maryland, College Park.