

## BEN HINNANT CURRICULUM VITAE

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### EDUCATION

Ph.D.	2008	Human Development and Family Studies	University of North Carolina at Greensboro
M.S.	2005	Human Development and Family Studies	University of North Carolina at Greensboro
B.S.	2002	Psychology	Clemson University

### PROFESSIONAL EXPERIENCE

2015 – Present	<b>Associate Professor</b> , Department of Human Development and Family Studies, Auburn University
2011 – 2015	<b>Assistant Professor</b> , Department of Psychology, Catholic University of America
2008 – 2011	<b>Post-Doctoral Research Fellow</b> , Department of Human Development and Family Studies, Auburn University
2008 – 2011	<b>Guest Instructor</b> , Department of Human Development and Family Studies, Auburn University
2007– 2008	<b>Pre-Doctoral Research Fellow</b> , University of North Carolina at Chapel Hill, Center for Developmental Science
2007– 2008	<b>Instructor</b> , University of North Carolina at Greensboro
2006 – 2007	<b>Teaching Assistant</b> , University of North Carolina at Greensboro
2003 – 2008	<b>Research Assistant</b> , University of North Carolina at Greensboro

### RESEARCH INTERESTS

- Family and Peer Influences on Child Development
- Risky Behavior and Decision Making in Adolescence
- Developmental Biopsychology and Developmental Psychopathology

### TEACHING INTERESTS

- Child and Adolescent Development
- Cognitive Development
- Developmental Biopsychology
- Basic and Advanced Research Methods
- Basic and Advanced Statistics
- Longitudinal Data Analysis

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**FUNDED RESEARCH APPLICATIONS**


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El-Sheikh, M., Buckhalt, J.A., Erath, S.A., & Keiley, M.

Role: Statistical Consultant

*Family aggression and trajectories of adolescent adaptation: Bioregulatory effects as moderators and mediators.*

Eunice Kennedy Shriver National Institute of Child Health and Human Development, Grant No. R01-HD046795-06.

(August, 2012 – 2017)

Hinnant, J.B.

Role: Primary Investigator

*Physiological function during decision making.*

Catholic University of America – Grant-in-Aid for summer graduate research assistant.

(June, 2012 – 2014)

Hinnant, J.B.

Role: Primary Investigator

*Physiological function during decision making.*

Catholic University of America – internal research startup funds.

(August, 2011 – 2013)

Hinnant, J.B.

Role: Primary Investigator

*Child and parental contributions to moral reasoning.*

University of North Carolina at Chapel Hill, Center for Developmental Science

(August, 2007 – 2008)

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**PENDING RESEARCH APPLICATIONS**


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Hinnant, J.B., Erath, S.A., Pfeifer, J.H., & Adleman, N.E.

Role: Primary Investigator

*Context effects on adolescent decision making: Neuroimaging pilot studies.*

Auburn University Internal Grant Proposal.

El-Sheikh, M., Buckhalt, J.A., Erath, S.A., Keiley, M., & Hinnant, J.B.

Role: Co-Investigator

*Sleep and child developmental outcomes: Physiological and contextual influences.*

National Institutes of Health.

Adleman, N.E., Hinnant, J.B., & Rich, B.A.

Role: Co-Primary Investigator

*Context effects on adolescent decision making: Mechanisms and relations to risky behavior.*

National Science Foundation.

Hinnant, J.B., Adleman, N.E., & Rich, B.A.

Role: Primary Investigator

*Context effects on adolescent decision making: Mechanisms and relations to risky behavior.*

National Institutes of Health.

## PEER REVIEWED PUBLICATIONS

\* Denotes Student Author

- El-Sheikh, M., Hinnant, J. B., & Erath, S. A. (2015). Marital conflict, vagal regulation, and children's sleep: A longitudinal investigation. *Monographs of the Society for Research in Child Development, 80*, 89-106. doi:10.1111/mono.12146
- Hinnant, J.B., Erath, S.A., & El-Sheikh, M. (2015). Harsh parenting, parasympathetic activity, and development of delinquency and substance use. *Journal of Abnormal Psychology, 124*, 137-151. dx.doi.org/10.1037/abn0000026
- Staton, L., Hinnant, J. B., Buckhalt, J., & El-Sheikh, M. (2014). Sleep and cognitive performance: The role of income and respiratory sinus arrhythmia reactivity. *Developmental Psychobiology, 56*, 1528-1540. doi:10.1002/dev.21247
- Hinnant, J.B., Nelson, J.A., O'Brien, M., Keane, S.P., & Calkins, S.D. (2013). The interactive roles of parenting, emotion regulation and executive functioning in moral reasoning during middle childhood. *Cognition & Emotion, 27*, 1460-1468. doi:10.1080/02699931.2013.789792
- Hinnant, J.B., El-Sheikh, M., Keiley, M., & Buckhalt, J. (2013). Marital conflict, allostatic load, and the development of children's fluid cognitive performance. *Child Development, 84*, 2003-2014. doi:10.1111/cdev.12103
- Hinnant, J.B., & El-Sheikh, M. (2013). Codevelopment of externalizing and internalizing symptoms in middle to late childhood: Sex, baseline RSA, and RSA reactivity as predictors. *Development and Psychopathology, 25*, 419-436. doi:10.1017/S0954579412001150
- Lento, R. M.\*, Ellis, T. E., Hinnant, J.B., & Jobes, D. A. (2013). Using the suicide index score to predict treatment outcomes among psychiatric inpatients. *Suicide and Life-Threatening Behavior, 43*, 547-561. doi:10.1111/sltb.12038
- Del Giudice, M., Hinnant, J.B., Ellis, B.J., & El-Sheikh, M. (2012). Adaptive patterns of stress responsivity: A preliminary investigation [Special issue on development in risky and supportive environments]. *Developmental Psychology, 48*, 775-790. doi:10.1037/a0026519
- El-Sheikh, M., & Hinnant, J.B. (2011). Marital conflict, respiratory sinus arrhythmia, and allostatic load: Interrelations and associations with the development of children's externalizing behavior [Special issue on allostatic load]. *Development and Psychopathology, 23*, 815-829. doi:10.1017/S0954579411000320
- Erath, S.A., El-Sheikh, M., Hinnant, J.B., & Cummings, E.M. (2011). Skin conductance level reactivity moderates the association between harsh parenting and growth in child externalizing behavior. *Developmental Psychology, 43*, 693-706. doi:10.1037/a0021909
- El-Sheikh, M., Arsiwalla, D.D., Hinnant, J.B., & Erath, S. (2011). Interactions between cortisol and respiratory sinus arrhythmia predict children's internalizing symptoms. *Physiology & Behavior, 103*, 225-232. doi:10.1016/j.physbeh.2011.02.004

- El-Sheikh, M., Hinnant, J.B., & Erath, S.A. (2011). Developmental trajectories of delinquency symptoms in childhood: The role of marital conflict and autonomic nervous system activity. *Journal of Abnormal Psychology, 120*, 16-32. doi:10.1037/a0020626
- Hinnant, J.B., Elmore-Staton, L., & El-Sheikh, M. (2011). Developmental trajectories of respiratory sinus arrhythmia and pre-ejection period in middle childhood. *Developmental Psychobiology, 53*, 59-68. doi:10.1002/dev.20487
- El-Sheikh, M., Kelly, R.J., Buckhalt, J.A., & Hinnant, J.B. (2010). Children's sleep and adjustment over time: The role of socioeconomic context. *Child Development, 81*, 870-883. doi:0009-3920/2010/8103-0015
- El-Sheikh, M., Keiley, M., & Hinnant, J.B. (2010). Developmental trajectories of skin conductance level in middle childhood: Sex, race, and externalizing behavior problems as predictors of growth. *Biological Psychology, 83*, 116-124. doi:10.1016/j.biopsycho.2009.11.009
- El-Sheikh, M., Hinnant, J.B., Kelly, R.J., & Erath, S. (2010). Maternal psychological control and child internalizing symptoms: Vulnerability and protective factors across bioregulatory and ecological domains. *Journal of Child Psychology and Psychiatry, 51*, 188-198. doi:10.1111/j.1469-7610.2009.02140.x
- Hinnant, J.B., & El-Sheikh, M. (2009). Children's externalizing and internalizing symptoms over time: The role of individual differences in patterns of RSA responding. *Journal of Abnormal Child Psychology, 37*, 1049-1061. doi:10.1007/s10802-009-9341-1
- Hinnant, J.B., O'Brien, M., & Ghazarian, S.R. (2009). The longitudinal relations of teacher expectations to achievement in the early school years. *Journal of Educational Psychology, 101*, 662-670. doi:10.1037/a0014306
- Hinnant, J.B., & O'Brien, M. (2007). Cognitive and emotional control and perspective taking and their relations to empathy in 5-year-old children [Special issue on moral development]. *Journal of Genetic Psychology, 168*, 301-322. doi:10.3200/GNTP.168.3.301-322

**MANUSCRIPTS UNDER REVIEW****\* Denotes Student Author**

- Hinnant, J.B., Erath, S.A., Tu, K.M., & El-Sheikh, M. Permissive parenting and adolescent delinquent behavior: The roles of peer affiliations and physiological reactivity.
- Hinnant, J.B., Freedman, A.\*, & Degnan, K.A. Cardiac-autonomic correlates of cooperative and competitive decision making.
- Hinnant, J.B., Forman-Alberti, A.B.\*, Szollos, S.\*, Byrnes, L.\*, & Degnan, K.A. Competitive behavior, sympathetic nervous system activity, and relations to subtypes of aggression and substance use: A multilevel approach.
- Hinnant, J.B., Forman-Alberti, A.B.\*, Aquino, A.\*, & Prince, J.\*, & Degnan, K.A. Active competition, passive cooperation, and stress: Relations to subtypes of aggression and substance use.

Forman-Alberti, A.B.\* , & Hinnant, J.B. Autonomic arousal during associative learning predicts risky decision making.

Schmidt, J.\* , Rich, B.A., Hinnant, J.B., Berghorst, L., & Alvord, M.K. Parent-child informant discrepancy is associated with poorer family functioning, child-perceived distress, and worse treatment outcome.

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### RESEARCH SUMMARIES FEATURED IN PUBLICATIONS FOR GENERAL AUDIENCES

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*Smithsonian Magazine; Nature World News; Science Daily; Live Science; PsychCentral; The British Psychological Society; Irish Examiner*

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### SELECTED PROFESSIONAL PRESENTATIONS

\* Denotes Student Author

Forman-Alberti, A.B.\* , Aquino, A.\* , & Hinnant, J.B. (2015, April). *Links between autonomic activity, implicit learning, and risky decision making*. Poster presentation at the SRCD Biennial Meeting, Philadelphia, Pennsylvania.

Hinnant, J.B. (Chair) (2015, April). *Central and autonomic nervous system activity: Adjustment at the transition to adolescence*. Paper symposium conducted at the SRCD Biennial Meeting, Philadelphia, Pennsylvania.

Hinnant, J.B. Erath, S.A., & El-Sheikh, M. (2015, April). Harsh parenting, parasympathetic activity, and development of delinquency and substance use. In J.B. Hinnant (Chair), *Central and autonomic nervous system activity: Adjustment at the transition to adolescence*. Symposium presentation at the SRCD Biennial Meeting, Philadelphia, Pennsylvania.

Twohy, E.\* , Barrueco, S., & Hinnant, J.B. (2015, April). Social emotional and language development trajectories of migrant and seasonal Head Start children: Profiles and predictors. In J. Heinze (Chair), *Early child socio-emotional functioning in disadvantaged environments: The role of context as a protective factor*. Symposium presentation at the SRCD Biennial Meeting, Philadelphia, Pennsylvania.

Forman-Alberti, A.B.\* , & Hinnant, J.B. (2014, November). *Autonomic arousal during associative learning predicts risky decision making*. Poster presentation at the Annual Meeting of the Society for Neuroscience, Washington, D.C.

Forman-Alberti, A.B.\* , Fernandez, J.M.\* , Reese, E.M.\* , Matera, J.J.\* , Delpapa, S.E.\* , & Hinnant, J.B. (2013, May). *Taking advantage: Aggression, competition and cooperation in a hawk-dove task*. Poster presentation at the Association for Psychological Science Conference, Washington, D.C.

Reese, E.M.\* , Madden, E.\* , Forman-Alberti, A.\* , Ehresman, C.\* , Aquino, A.\* , & Hinnant, J.B. (2013, May). *Parental attachment and sympathetic nervous system response during behavioral tasks*. Poster presentation at the Association for Psychological Science Conference, Washington, D.C.

- Reese, E.M.\*, Madden, E.\*, Forman-Alberti, A.\*, Wilbur, C.\*, Szollos, S.\*, & Hinnant, J.B. (2013, May). *Anxiety predicts cooperative and competitive behaviors during a 'Hawk-Dove' task*. Poster presentation at the Association for Psychological Science Conference, Washington, D.C.
- Hinnant, J.B. (Chair) (2013, April). *Biological stress response systems and child social competence and psychopathology symptoms: Psychological and environmental moderators*. Paper symposium conducted at the SRCD Biennial Meeting, Seattle, Washington.
- Hinnant, J.B. & El-Sheikh, M. (2013, April). Codevelopment of externalizing and internalizing symptoms in middle to late childhood: Sex, baseline RSA, and RSA reactivity as predictors. In J.B. Hinnant (Chair), *Biological stress response systems and child social competence and psychopathology symptoms: Psychological and environmental moderators*. Symposium presentation at the SRCD Biennial Meeting, Seattle, Washington.
- Hinnant, J.B., Erath, S.A., & El-Sheikh, M. (2013, April). Marital conflict, vagal regulation and children's sleep: A longitudinal investigation. In M. El-Sheikh (Chair), *Emerging longitudinal research linking family processes and children's sleep*. Symposium presentation at the SRCD Biennial Meeting, Seattle, Washington.
- Forman-Alberti, A.B.\*, Reese, E.M.\*, Fernandez, J.M.\*, Fiore, A.\*, & Hinnant, J.B. (2013, April). *Angry birds? Relations between aggression and sympathetic nervous system activity in a novel hawk-dove task*. Poster presentation at the SRCD Biennial Meeting, Seattle, Washington.
- Lento, R. M.\*, Ellis, T. E., Hinnant, J.B., & Jobes, D. A. (2012, April). *Using suicidal typologies to predict treatment outcomes among psychiatric inpatients*. Symposium presentation at the 45th Annual Conference of the American Association of Suicidology, Baltimore, Maryland.
- Del Giudice, M., Ellis, B.J., Hinnant, J.B., & El-Sheikh, M. (2012, March). *Adaptive patterns of stress responsivity: Preliminary empirical results*. Symposium presentation at the Biennial Meeting of the Society for Research on Adolescence. Vancouver, Canada.
- Hinnant, J.B. (2011, April). *Environmental stress and allostasis: Alterations in physiological regulation and change in externalizing behaviors in childhood*. Research colloquium at Auburn University.
- Hinnant, J.B., & El-Sheikh, M. (2011, April). Marital conflict, respiratory sinus arrhythmia, and allostatic load: Relations to the development of children's externalizing behavior. In I.S. Yim & J.A. Quas (Chairs), *Developmental changes in biobehavioral stress reactivity in high and low risk environments*. Symposium presentation at the SRCD Biennial Meeting, Montreal, Quebec, Canada.
- Hinnant, J.B., & El-Sheikh, M. (2011, April). *Codevelopment of boys' and girls' externalizing and internalizing symptoms: The role of respiratory sinus arrhythmia*. Poster presentation at the SRCD Biennial Meeting, Montreal, Quebec, Canada.

- Erath, S., El-Sheikh, M., Hinnant, J.B., & Cummings, M. (2011, April). Skin conductance level reactivity moderates the longitudinal association between harsh parenting and child externalizing behavior. In E.M. Cummings & M.C. Goeke-Morey (Chairs), *Longitudinal, process-oriented research on children exposed to multiple social contexts of violence*. Symposium presentation at the SRCD Biennial Meeting, Montreal, Quebec, Canada.
- Hinnant, J.B., Elmore-Staton, L., & El-Sheikh, M. (2010, October). *Developmental trajectories of respiratory sinus arrhythmia and pre-ejection period in middle childhood*. Poster presentation at the SPR Annual Meeting, Portland, OR.
- Kelly, R.J., Hinnant, J.B., & El-Sheikh, M. (2009, April). *Parenting, children's sleep, and cognitive functioning: A mediated relationship*. Poster presentation at the SRCD Biennial Meeting, Denver, CO.
- Hinnant, J.B., & O'Brien, M. (2008, April). *Parental cognitive and emotional support and child emotion regulation and executive functioning: Testing mediational pathways to moral reasoning*. Poster presentation at the Conference on Human Development, Indianapolis, IN.

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## ACADEMIC COURSES

Multilevel Modeling HDFS 8060 (graduate level), Auburn University  
 Research Methods PSY 811 (graduate level), CUA  
 Human Development PSY 640 (graduate level), CUA  
 Cognitive Development PSY 622 (graduate level), CUA  
 Lifespan Development PSY 379 (undergraduate level), CUA  
 Cognitive Development PSY 310 (undergraduate level), CUA  
 Child Development HDF 302 (undergraduate level), UNC Greensboro

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## STUDENT ADVISING

Thesis committee member, Alex Kaeppler, HDFS M.S.-Ph.D. student, Auburn University  
 Thesis committee member, Kelly Gill, Developmental M.A.-Ph.D. student, CUA  
 Thesis advisor, Dissertation committee member, Alissa Forman-Alberti, Developmental M.A.-Ph.D. student, CUA  
 Thesis advisor, Em Madden, General Psychology M.A. student, CUA (completed 2015)  
 Thesis advisor, Ashley Hunt, General Psychology M.A. student, CUA (completed 2015)  
 Thesis advisor, Juan Fernandez, General Psychology M.A. student, CUA (completed 2013)  
 Dissertation committee member, Eileen Twohy, Clinical Ph.D. student, CUA (completed 2013)  
 Dissertation committee member, Blake Zakarin, Clinical Ph.D. student, CUA (completed 2013)  
 Dissertation committee member, Corine Bell, Clinical Ph.D. student, CUA (completed 2012)

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## EXPERTISE IN STATISTICAL ANALYSIS AND METHODS

Multivariate Analysis (e.g., multiple regression, ANOVA)  
 Path Analysis  
 Mediation Analysis / Developmental Cascade Modeling  
 Moderation Analysis  
 Structural Equation Modeling

Hierarchical Linear / Multilevel Modeling  
 Latent Growth Modeling  
 Accelerated Longitudinal Data Modeling  
 Multiple Indicator Multilevel Modeling  
 Latent Profile / Finite Mixture Modeling

Primary Instructor in *A Hands-on Workshop for Structural Equation and Latent Growth Modeling* (2013 – 2015), a two day seminar for graduate students and faculty, Catholic University of America

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### **SPECIALIZED TRAINING IN NEUROPHYSIOLOGICAL ASSESSMENT**

Training and experience in use of Biolab and Mindware hardware and software; data collection and editing for physiological indexes of autonomic functions including heart rate, respiration, respiratory sinus arrhythmia, pre-ejection period, skin conductance response, and skin conductance level

Training for Level 2 MRI safety procedures

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### **PROFESSIONAL AFFILIATIONS**

American Psychological Association (APA) Division 7 (Developmental)  
 Association for Psychological Science (APS)  
 Society for Psychophysiological Research (SPR)  
 Society for Research in Child Development (SRCD)  
 Society for Research on Adolescence (SRA)  
 Society for the Teaching of Psychology (STP)

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### **EDITORIAL EXPERIENCE (AD HOC REVIEWER)**

Anxiety, Stress, and Coping  
 Biological Psychology  
 British Journal of Educational Psychology  
 Child Development  
 Childhood Obesity  
 Cognition & Emotion  
 Cognitive, Affective, and Behavioral Neuroscience  
 Developmental Psychobiology  
 Developmental Psychology  
 Development and Psychopathology  
 Educational Psychology  
 International Journal of Developmental Neuroscience  
 International Journal of Psychophysiology  
 Journal of Abnormal Child Psychology  
 Journal of Applied Developmental Psychology  
 Journal of Child Psychology and Psychiatry  
 Journal of Clinical Child and Adolescent Psychology  
 Journal of Consulting and Clinical Psychology



Journal of Experimental Child Psychology  
 Journal of Family Psychology  
 Journal of Fluency Disorders  
 Journal of Psychophysiology  
 Journal of Sleep Research  
 Pediatrics  
 Psychophysiology  
 Sleep Medicine

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## SERVICE

Department of Human Development and Family Studies Research Methods and Statistics  
 Curriculum Committee, Auburn University  
 Department of Human Development and Family Studies Mission Statement Committee, Auburn  
 University  
 Society for Research in Child Development Panel 2 Paired Mentor-Student Reviewer (2015),  
*Biological Processes*  
 Society for Research on Adolescence Panel 9 Chair (2014), *Biological Processes and  
 Evolutionary Perspectives*  
 National Institute of Justice Grant Reviewer (2014); Solicitation for proposals in *Comprehensive  
 School Safety Initiatives*  
 National Institute of Justice Grant Reviewer (2013, 2014); Solicitation for proposals in *Research  
 on Offender Decision Making*  
 Primary Instructor in *A Hands-on Workshop for Structural Equation and Latent Growth Modeling*  
 (2013 – 2015), a seminar for graduate students and faculty, Catholic University of America  
 Invited Speaker, George Mason University (2013), *Allostatic Load and Psychopathology*  
 Society for Research in Child Development Panel 13 Invited Reviewer (2013), *Health and  
 Neurophysiology*  
 Psychology Department Developmental Curriculum Committee, Catholic University of America  
 Psychology Department Teaching Assistantship Committee, Catholic University of America  
 Psychology Departmental Meeting Secretary, Catholic University of America  
 Psychophysiological Data Collection and Analysis Training, Auburn University  
 Graduate Student Colloquium Co-chair, UNC Greensboro  
 Quint State Committee Co-chair, UNC Greensboro