

## Elizabeth M. Planalp

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### CONTACT INFORMATION

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Madison, WI, 53705 Email: planalp@wisc.edu

### PROFESSIONAL POSITIONS

2018 –present Assistant Scientist, Waisman Center, *University of Wisconsin—Madison*  
2014-2018 Postdoctoral Trainee, Department of Psychology, *University of Wisconsin—Madison*

### EDUCATION

2009-2014 Ph.D. Developmental Psychology, *University of Notre Dame*  
Minor: Quantitative Psychology  
2007-2009 M.S. Clinical Psychology, *Loyola University*  
2002-2006 B.S. Biology/Pre-Medical Studies, *University of Notre Dame*

### PUBLICATIONS

Dean III, D. C., **Planalp, E. M.**, Wooten, W., Kecskemeti, S. R., Adluru, N., Schmidt, C. K., Frye, C., Birm, R. M., Burghy, C. A., Schmidt, N. L., Styner, M. A., Short, S. J., Kalin, N. H., Goldsmith, H. H., Alexander, A. L., & Davidson R. J. (in press). Association of prenatal maternal depression and anxiety symptoms with infant white matter microstructure. *JAMA Pediatrics*.

Dean III, D. C., **Planalp, E. M.**, Wooten, W., Schmidt, C. K., Kecskemeti, S. R., Frye, C., Schmidt, N. L., Goldsmith, H. H., Alexander, A. L., & Davidson R. J. (2018). Investigation of brain structure in the one-month infant. *Brain Structure and Function*. doi:10.1007/s00429-017-1600-2.

Dean III, D. C., **Planalp, E. M.**, Wooten, W., Adluru, N., Kecskemeti, S. R., Frye, C., Schmidt, C. K., Schmidt, N. L., Styner, M. H., Goldsmith, H. H., Davidson R. J., & Alexander, A. L., (2017). Mapping white matter microstructure in the one month human brain. *Scientific Reports*. doi:10.1038/s41598-017-09915-6.

**Planalp, E. M.**, Van Hulle, C., Gagne, J. R., & Goldsmith, H. H. (2017). The Infant version of Laboratory Temperament Assessment Battery (Lab-TAB): Measurement properties and implications for concepts of temperament. *Frontiers in Psychology: Personality and Social Psychology*. Published online, 24 May. <https://doi.org/10.3389/fpsyg.2017.00846>.

**Planalp, E. M.**, Van Hulle, C., Lemery-Chalfant, K. & Goldsmith, H. H. (2016). Genetic and environmental contributions to the development of positive affect in infancy. *Emotion*, 17(3), pp. 412-420. doi: 10.1037/emo0000238

**Planalp, E. M.**, & Du, H., Braungart-Rieker, J. M. & Wang, L. (2016). Growth curve modeling to studying change: A comparison of approaches using longitudinal dyadic data with distinguishable dyads. *Structural Equation Modeling: Teacher's Corner*, 24(1), pp. 129-147. doi: 10.1080/10705511.2016.1224088

Braungart-Rieker, J. M., Lefever, J. B., **Planalp, E. M.**, & Moore, E. (2016). Body Mass Index at age 3: Cascading effects of prenatal maternal depression and mother-infant dynamics. *Journal of Pediatrics*, 177, pp. 128-132. doi: 10.1016/j.jpeds.2016.06.023. PMID: 27470687.

- Planalp, E. M.**, & Braungart-Rieker, J. M. (2016). Determinants of father involvement with young children: Evidence from the ECLS-B. *Journal of Family Psychology*, *30*(1), pp. 135-146. doi: 10.1037/fam0000156.
- Braungart-Rieker, J. M., & **Planalp, E. M.** (2016). Healthy Children: The Role of Emotion Regulation. In D. Narvaez, J. M. Braungart-Rieker, L. E. Miller-Graff, L. T. Gettler, P. D. Hastings (Eds.) *Contexts for Young Child Flourishing: Evolution, Family and Society* (pp.102-120). Oxford University Press.
- Planalp, E. M.**, & Braungart-Rieker, J. M. (2015). Trajectories of regulatory behaviors in early infancy: Determinants of self-distraction and self-comforting. *Infancy*, *20*(2), pp. 129-159. doi: 10.1111/inf.12068.
- Braungart-Rieker, J.M., Moore, E.S., **Planalp, E. M.** & Burke-Lefever, J. (2014). Psychosocial pathways to childhood obesity: A pilot study involving a high risk preschool sample. *Eating Behaviors*, *15*(4), pp. 528-531. doi: 10.1016/j.eatbeh.2014.07.004.
- Braungart-Rieker, J. M., Ekas, N.V., Zentall, S. R., Lickenbrock, D. M., Oshio, T., & **Planalp, E. M.** (2014). Attachment in the making: Mother and father sensitivity and infants' responses during the Still-Face Paradigm. *Journal of Experimental Child Psychology*, *125*, pp. 63-84. doi: 10.1016/j.jecp.2014.02.007.
- Planalp, E. M.**, Braungart-Rieker, J. M., Lickenbrock, D. M., & Zentall, S. R. (2013). Trajectories of parenting during infancy: The role of infant temperament and marital adjustment for mothers and fathers. *Infancy*, *18*(S1), pp. E15-E45. doi: 10.1002/icd.1808
- Lickenbrock, D. M., Braungart- Rieker, J. M., Ekas, N. V., Zentall, S. R., Oshio, T., & **Planalp, E. M.** (2013). Early temperament and attachment security with mothers and fathers as predictors of toddler compliance and noncompliance. *Infant and Child Development*, *22*(6), pp. 580-602. doi: 10.1002/icd.1808
- Planalp, E. M.**, & Braungart-Rieker, J. M. (2013). Temperamental precursors of infant attachment with mothers and fathers. *Infant Behavior & Development*, *36*, pp. 796-808. doi: 10.1016/j.infbeh.2013.09.004.
- Samuels, J. F., Grados, M. A., **Planalp, E. M.**, & Bienveno, O. J (2011). Genetic understanding of OCD and spectrum disorders. In Gail Steketee (Ed.) *The Oxford Handbook of Obsessive Compulsive and Spectrum Disorders*, (pp. 111 – 125). Oxford University Press.
- (under review and in preparation)**
- Planalp, E.M.**, O'Neill, M., & Braungart-Rieker, J. M. (revision invited). Mothers' and fathers' attunement to infant signals: Parent sensitivity, infant affect, and implications for attachment. *Parenting: Science and Practice*.
- Nowak, A., Braungart-Rieker, J. M., & **Planalp, E. M.** (revision invited). Children's dysregulated representations mediate parenting and effortful control in a low-income sample.
- Planalp, E. M.** & Van Hulle, C., Goldsmith, H. H. (under review). Parenting in context: Impacts of marital adjustment, parent affect, and infant temperament on dyadic interactions.
- Planalp, E. M.**, Frausto, A., & Braungart-Rieker, J. M. (under review). Latino fathers' early involvement with infants.
- Braungart-Rieker, J. M., **Planalp, E.M.**, Ekas, N.V., Lickenbrock, D.L., & Zentall, S. (under review). Toddler affect with mothers and fathers: The importance of infant temperament and attachment.
- Planalp, E. M.**, & Braungart-Rieker, J. M. (in preparation). To do or not to do? Parents' attunement to infants' internal state relates to compliance during toddlerhood.

**Planalp, E. M.,** Dean III, D. C., Alexander, A. L., Goldsmith, H. H., & Davidson, R. J. (in preparation). Parental involvement and the infant brain: Mechanisms for enhanced grey matter development.

**Planalp, E. M.** & Goldsmith, H. H. (in preparation). Infant temperament profiles at 6 and 12 months: Observations from the Laboratory Temperament Assessment Battery.

### **AWARDS, FUNDING and CERTIFICATIONS**

- 2018-2022      K01 MH113710  
*Neurobehavioral Development of Emotion Regulation in Young Children*  
Role: Primary Investigator
- 2017-2019      NIH Loan Repayment Program  
*Genetic, Environmental and Neurodevelopmental Bases for Emotion Regulation in Young Children*  
Role: Primary Investigator                      Mentor: H. Hill Goldsmith
- 2014-2017      T32 MH018931, *Training Program for Emotion Research*  
Role: Postdoctoral Trainee                      PI: Dr. Richard J. Davidson
- 2016              *Infancy* Early Career Researcher Award  
*Planalp, E. M., & Braungart-Rieker, J. M. (2015). Trajectories of regulatory behaviors in early infancy: Determinants of self-distraction and self-comforting. Infancy, 20, pp. 129-159.*
- 2014              Outstanding Graduate Student, Department of Psychology, *University of Notre Dame*  
2013              Certification in the Practice and Philosophy of Teaching Psychology, *University of Notre Dame*  
2011              Outstanding Student Teacher Award for Excellence in Teaching, *University of Notre Dame*  
2010              Striving for Excellence in Teaching Certificate, *University of Notre Dame*

### **PROFESSIONAL TRAINING and WORKSHOPS**

- 2017              Curran-Bauer Analytics Workshop on Cluster Analysis and Mixture Modeling  
2016              International Workshop on Statistical Genetic Methods for Complex Human Traits  
2012              APA Advanced Training Institute in Structural Equation Modeling  
2011              National Center for Education Statistics -- Training Certification, ECLS-Birth Cohort

### **POSTERS and PRESENTATIONS**

Dowe, K. N., **Planalp, E. M.,** Dean, D. C., Davidson, R. J., Alexander, A. L., & Goldsmith, H. H. (2018, July). Early neurodevelopment of infant attention. Poster presented at the 2018 meeting of the International Conference on Infant Studies, Philadelphia, PA.

**Planalp, E. M.,** Dean, D. C., Dowe, K. N., Davidson, R. J., Alexander, A. L., & Goldsmith, H. H. (2018, July). Neurodevelopmental origins of infant regulation during a mother-infant face-to-face paradigm. Poster presented at the 2018 meeting of the International Conference on Infant Studies, Philadelphia, PA.

Nowak, A., **Planalp, E. M.,** & Braungart-Rieker, J. M. (2018, June). Mechanisms Relating Parenting, Stress and Child Regulation in High and Low-Risk Populations. Poster presented at the 2018 meeting of the International Conference on Infant Studies, Philadelphia, PA.

Dean, D.C.II, **Planalp, E.M. ,** Vogt, N., Dowe, K., Rameshk, A., Mclaughlin, K., Freeman, A., Alexander, A.L. (2018, June). Influences of the Gut Microbiome on Early Brain Development. Poster presented In Proceedings for the International Society for Magnetic Resonance in Medicine (ISMRM), Paris, France.

Dean, D.C. III, **Planalp, E.M.**, Wooten, W., Adluru, N., Goldsmith, H.H., Davidson, R.J., Alexander, A.L. (2018, June). Prenatal Maternal Cortisol Response Influences 1-month Infant White Matter Microstructure. Presentation In Proceedings for the International Society for Magnetic Resonance in Medicine (ISMRM), Paris, France.

Dean, D.C. III, **Planalp, E.M.**, Wooten, W., Adluru, N., Goldsmith, H.H., Davidson, R.J., Alexander, A.L. (2017, June). Patterns of Microstructural Correlations in the White Matter of the Neonatal Brain. Poster presented In Proceedings for the International Society for Magnetic Resonance in Medicine (ISMRM), Honolulu, HA.

**Planalp, E. M.**, Dean, D. C., Alexander, A. L., Davidson, R. J., & Goldsmith, H. H. (2018, April). Early infant neural circuitry predicts 6-month affective behavior. Poster presented at the 2018 meeting of the Society for Affective Science, Los Angeles, California.

**Planalp, E. M.**, Dean, D. C., Dowe, K. N., Goldsmith, H. H., & Davidson, R. J. (2017, April). *Pathways from early adversity to infant brain development and emotion regulation during the Still-Face Paradigm*. Paper Symposium (Role: Chair) presented at the 2017 Biennial meeting of the Society for Research in Child Development, Austin, Texas.

Dowe, K. N., **Planalp, E. M.**, Dean, D. C., Davidson, R. J., & Goldsmith, H. H. (2017, April) *Infant neural development and maternal sensitivity to infant distress: Relations with emotion regulation in 6 month old infants*. Poster presented at the 2017 Biennial meeting of the Society for Research in Child Development, Austin, Texas.

Nowak, A., **Planalp, E. M.**, & Braungart-Rieker, J. M. (2017, April) *Problematic Parenting, Children's Dysregulated Representations, and Effortful Control in a Low-Income Sample*. Poster presented at the 2017 Biennial meeting of the Society for Research in Child Development, Austin, Texas.

O'Neill, M., **Planalp, E. M.**, & Braungart-Rieker, J. M. (2017, April) *Talking for baby: Understanding attachment relationship development through parent- infant interactions and mind-mindedness*. Poster presented at the 2017 Biennial meeting of the Society for Research in Child Development, Austin, Texas.

**Planalp, E. M.**, O'Neill, M. & Braungart-Rieker, J. M. (2016, May). *To do or not to do? Parents' use of internal states language in infancy relates to compliance during toddlerhood*. Poster presented at the 2016 Biennial meeting of the International Conference on Infant Studies, New Orleans, Louisiana.

Frausto, A., Braungart-Rieker, J. M., & **Planalp, E. M.** (2016, May) *The influence of acculturation on Latino paternal involvement and its effects on child outcomes*. Poster presented at the 2016 Biennial meeting of the International Conference on Infant Studies, New Orleans, Louisiana.

O'Neill, M., **Planalp, E. M.**, & Braungart-Rieker, J. M. (2016, May). *Baby Talk: Parent language concerning internal states during one-on-one interactions influences attachment*. Poster presented at the 2016 Biennial meeting of the International Conference on Infant Studies, New Orleans, Louisiana.

**Planalp, E. M.**, Van Hulle, C., Lemery-Chalfant, K., & Goldsmith, H. H. (2016, March). *Genetic and environmental correlates of temperament in infancy: Observed and parent reported positive affect*. Poster presented at the 2016 meeting of the Society for Affective Science, Chicago, Illinois.

Van Hulle, C., **Planalp, E. M.**, Lemery-Chalfant, K., & Goldsmith, H. H. (2016, March). *Parent psychopathology influences adolescence affective regulation of sensory experience*. Poster presented at the 2016 meeting of the Society for Affective Science, Chicago, Illinois.

- Dowe, K., Devine, A., Clayton, L, **Planalp, E. M.**, & Goldsmith, H. H. (2016, March). *Infant affective development: Implications of prenatal depression and 6 month family environment*. Poster presented at the 2016 meeting of the Society for Affective Science, Chicago, Illinois.
- Planalp, E. M.**, Van Hulle, C., Lemery-Chalfant, K., & Goldsmith, H. H. (2016, March). *Genetic and environmental correlates of temperament in infancy: Observed and parent reported positive affect*. Poster presented at the 2016 International Workshop on Statistical Genetic Methods for Human Complex Traits, Boulder, Colorado.
- Planalp, E. M.**, & Braungart-Rieker, J. M. (2015, April). *Parent internal state language and infant-parent attachment with mothers and fathers*. Poster presented at the 2015 Biennial meeting of the Society for Research in Child Development, Philadelphia, Pennsylvania.
- Planalp, E. M.**, & Braungart-Rieker, J. M. (2014). *Differential predictions of father caregiving and play: The roles of paternal and maternal depression and marital conflict*. Symposium presented at the 2014 New Conceptualizations in the Study of Parenting at Risk meeting of the Society for Research in Child Development, San Diego, California.
- Planalp, E. M.**, Braungart-Rieker, J. M., & Wang, L. (2014) *An empirical comparison of different modeling approaches for longitudinal dyadic data*. Poster presented at the 2014 Developmental Methodology meeting of the Society for Research in Child Development, San Diego, California.
- Planalp, E. M.**, Braungart-Rieker, J. M., & Wargel, K. (2013, April). *What did you say? How mother and father speech relates to parent-infant attachment*. Poster presented at the 2013 Biennial meeting of the Society for Research in Child Development, Seattle, Washington.
- Bates, C., **Planalp, E. M.**, Braungart-Rieker, J. M., & Lagges, A., (2013, April). *Quality of life and child obesity: Changes observed in an intervention program*. Poster presented at the 2013 Biennial meeting of the Society for Research in Child Development, Seattle, Washington.
- Planalp, E. M.** (2013, March). *Socioemotional correlates of child obesity: Child temperament and parenting behaviors*. Poster presented at the annual University of Notre Dame Graduate Student Union Research Symposium.
- Planalp, E. M.** & Braungart-Rieker, J. M. (2012, July). *Differential prediction of mother and father involvement during infancy: The role of infant temperament and marital adjustment*. Paper Symposium presented at the 2012 Biennial meeting of the International Society for the Study of Behavioural Development, Edmonton, Canada.
- Braungart-Rieker, J. M. & **Planalp, E. M.** (2012, July). *Infant gender as moderators of infant-mother and infant-father attachment security*. Paper Symposium presented at the 2012 Biennial meeting of the International Society for the Study of Behavioural Development, Edmonton, Canada.
- Planalp, E. M.**, & Braungart-Rieker, J. M. (2012, June). *Infant attachment with mothers and fathers: The role of infant perceptual sensitivity*. Poster presented at the 2012 Biennial meeting of the International Conference on Infant Studies, Minneapolis, Minnesota.
- Planalp, E. M.** & Braungart-Rieker, J. M. (2011, April). *Differential prediction of mother and father involvement during infancy: The role of infant temperament and marital adjustment*. Poster presented at the 2011 Biennial meeting of the Society for Research in Child Development, Montréal, Canada.
- Planalp, E. M.**, Burke-LeFever, J., Guest, K., & Braungart-Rieker, J. M. (2011, April). *Early environment and childhood obesity in Hispanic, African-American, and white families*. Poster to be presented at the 2011 Biennial meeting of the Society for Research in Child Development, Montréal, Canada.

Lickenbrock, D. M., Oshio, T., **Planalp, E. M.**, (2010, March). *The development of autonomy: Examining early temperament and attachment security with mothers and fathers as predictors*. Poster presented at the 2010 Biennial International Conference on Infant Studies, Baltimore, Maryland.

## TEACHING EXPERIENCE

### Teaching Assistantships

Research Methods, *University of Notre Dame, (Fall 2011, Spring 2013)*  
Neurodevelopmental Disorders, *University of Notre Dame, (Fall 2012, Spring 2013)*  
Introduction to Psychology, *University of Notre Dame, (Fall 2009 through Spring 2011)*  
Principles and Practices in Psychotherapy, *Loyola University, (Spring 2009)*  
Research Methods and Statistics in Psychology, *Loyola University, (Spring 2008 through Spring 2009)*

### Mentoring and Supervision

2015-2017 Supervisor, Conte Summer Fellowship Program, Waisman Center, University of Wisconsin  
  
2016-2017 Kristin Dowe, Senior Thesis, *University of Wisconsin-Madison*  
*Recipient of Undergraduate Research Scholar Award*  
  
2013-2014 Elena Misaledes, Senior Honors Thesis, *University of Notre Dame*  
  
2012-2013 Carolyn Bates, Senior Honors Thesis, *University of Notre Dame*  
  
2011-2012 Kyla Wargel, Senior Honors Thesis, *University of Notre Dame Honors Program*  
*Recipient of Genevieve D. Willis Senior Thesis Award*  
  
2011-2012 Senior Honors Thesis Advisor for Laura Miller, *University of Notre Dame*

## PROFESSIONAL ACTIVITIES and AFFILIATIONS

### Memberships

Society for Research in Child Development  
International Congress on Infant Studies  
Society for Affective Science

### Ad-Hoc Reviewer

*BMC Psychology*  
*Developmental Psychology*  
*Frontiers in Psychology*  
*Infancy*  
*Journal of Autism and Developmental Disorders*  
*Journal of Family Psychology*  
*Journal of Family Studies*  
*Parenting: Science and Practice*  
*SAGE Open Access Journals*  
*Sex Roles: A Journal of Research*