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## Lisa Gatzke-Kopp, Ph.D.

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### EDUCATION

<b>Graduate</b>	2003	Ph.D., Psychology University of Southern California
<b>Undergraduate</b>	1996	B.S., Biopsychology University of California, Santa Barbara

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### PROFESSIONAL POSITIONS

2018	Professor	Human Development and Family Studies	Pennsylvania State University
2018 -	Director	Doctoral dual-title program in Social Behavioral Neuroscience	Pennsylvania State University
2016-	Professor-in-Charge	HDFS Graduate Program	Pennsylvania State University
2013-2018	Associate Professor	Human Development and Family Studies	Pennsylvania State University
2008-	Graduate Faculty	Interdepartmental Neuroscience Graduate Program	Pennsylvania State University
2007-2013	Assistant Professor	Human Development and Family Studies	Pennsylvania State University
2003-2007	Postdoctoral Scholar	Department of Psychology (Dr. Theodore Beauchaine, PI)	University of Washington
2005	Instructor	Department of Psychology	University of Washington
1998-2003	Predocctoral Scholar	Department of Psychology (Dr. Adrian Raine, PI)	University of Southern California

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### HONORS, AWARDS, AND FELLOWSHIPS

2004 - 2006	Loan Repayment Program	National Institute of Mental Health
2002 - 2003	Final Year Dissertation Award	University of Southern California
2000 - 2004	F31 Individual National Research Service Award (NRSA)	National Institute of Mental Health

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## GRANTS AND CONTRACTS

Years Active	Title	Funding Agency	Role
2018-2023	Early Life Stress and the Environmental Origins of Disease: a Population-based Prospective Longitudinal Study of Children in Rural Poverty (Family Life Project). (Blair, PI)	National Institutes of Health [ECHO Initiative] (1UH3OD023332-01)	PI: Penn State
2017-2019	Family Life Project I: Stress, Self-regulation and Psychopathology in Middle Childhood. (Greenberg, PI)	National Institute of Child Health and Human Development, (R01HD081252)	Co-Investigator
2016-2018	Early Life Stress and the Environmental Origins of Disease: a Population-based Prospective Longitudinal Study of Children in Rural Poverty (Family Life Project). (Blair, PI)	National Institutes of Health [ECHO Initiative] (1UG3OD023332-01)	PI: Penn State
2015-2019	Targeting Neurobiological and Behavioral Mechanisms of Self-Regulation in High-Risk Families. (Skowron/Fisher, MPIs)	National Institutes of Mental Health and Drug Abuse (R01DA036533)	Consultant
2014-2019	Toward a Unifying Model of Self-Regulation and its Development. (Cole/Ram, MPIs)	National Institute of Child Health and Human Development (R01 HD076994)	Co-Investigator
2014-2017	Supporting Early Adolescent Learning and Social Success across the Middle School Years: the SEALS II Intervention Development Program. (Farmer, PI)	Institute of Education Sciences (R305A160398)	Co-Investigator
2012-2017	CAREER: Genes, Environments, and Experiences in the Phenotypic Development of Cost Discounting and High Risk Decision Making (Gatzke-Kopp, PI)	National Science Foundation, Decision, Risk, and Management Science division. (SES-1150844)	Principal Investigator
2012-2013	Physiological Regulation, Coparenting and Parenting Dynamics During Family	Children, Youth and Family Consortium,	Co-Investigator

	Interaction (Blandon, PI)	Pennsylvania State University	
2010-2011	Heterogeneity in neural profiles of reinforcement learning: Equifinal convergence toward clinical manifestation of ADHD. (Gatzke-Kopp, PI)	Children, Youth and Family Consortium, Pennsylvania State University	Principal Investigator
2010-2011	The development of novel analytic strategies to integrate physiological and behavioral measures. (Gatzke-Kopp, PI)	Penn State Institute for Neuroscience.	Principal Investigator
2010-2015	Transdisciplinary Approach to Understand Variability in Preventive Intervention Outcomes. (Fishbein, PI)	National Institute of Drug Abuse, (R01DA025047-01A2)	Co-Investigator
2008-2012	PATHS to Success. (Greenberg, PI)	Pennsylvania Department of Health	Co-Investigator
2012-2013	Parent-Child Processes: Negative Self-Regulatory and Behavioral Outcomes. (Skowron, PI)	National Institute of Mental Health (5R01 MH079328)	Consultant
2008-2009	Integrating Neurobiology and Family Context to Understand Treatment Response in Attention-Deficit/ Hyperactivity Disorder (ADHD). (Gatzke-Kopp, PI)	Children, Youth and Family Consortium, Pennsylvania State University	Principal Investigator
<b>Sponsored Student Grants</b>			
2010-2012	Physiological Correlates of Interpersonal Hypersensitivity in Borderline Personality Disorder. (Beeney, PI)	National Institute of Mental Health, (R36MH086285-01A1)	Co-sponsor

## PROFESSIONAL ACTIVITIES

### Service to Professional Societies

Society for Psychophysiological Research	Program Committee Member	2011
	Diversity Committee Co-Chair	2018 - 2021
	Student Poster Award Committee	2018
American Psychological Association	Program Review Committee Member, Division 7	2009
Society for Research in Adolescence	Reviewer Panel 9 (Biological Processes and Evolutionary	2012, 2013

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Perspectives) Reviewer Panel 13 (Neurobiological Mechanisms)	2015
ECHO Education Series, Editorial Board Member	2018 - 2020
<b>Journal Reviewing</b>	
Guest Editor <i>Psychophysiology</i> Special Issue: Diversity and Representation	2014 - 2015
Associate Editor <i>Psychophysiology</i>	2013 - present
Editorial Board Member <i>Journal of Emotional and Behavioral Disorders</i> <i>Child Development</i> <i>Journal of Clinical Child and Adolescent Psychology</i>	2015 - 2018 2008 - 2011 2008 - 2011
Ad hoc Reviewer <i>Aging and Mental Health</i> <i>Biological Psychology</i> <i>Brain and Cognition</i> <i>British Journal of Developmental Psychology</i> <i>Child Development</i> <i>Child Psychiatry and Human Development</i> <i>Cognitive and Affective Behavioral Neuroscience</i> <i>Cognitive Development</i> <i>Development and Psychopathology</i> <i>Developmental Psychobiology</i> <i>Hormones and Behavior</i> <i>International Journal of Psychophysiology</i> <i>Journal of Abnormal Psychology</i> <i>Journal of Abnormal Child Psychology</i> <i>Journal of Child Psychology and Psychiatry</i> <i>Journal of Clinical Child and Adolescent Psychology</i> <i>Journal of Emotional and Behavioral Disorders</i> <i>Journal of Family Issues</i> <i>Journal of Social and Clinical Psychology</i> <i>Personality and Individual Differences</i> <i>Perspectives in Psychological Science</i> <i>Prevention Science</i> <i>Psychiatry Research</i> <i>Psychology of Violence</i> <i>Psychophysiology</i>	

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## Grant Reviewing

National Institute of Health	Child Psychopathology and Developmental Disabilities Study Section	October 2008 June 2010
National Institute of Health	Fellowships: Risk, Prevention and Health Behavior	November 2018
The Wellcome Trust	Neuroscience and Mental Health Division	September 2010
National Science Foundation	Research and Evaluation on Education in Science and Engineering (REESE) Decision Risk and Management Science (DRMS)	February 2011 February 2012 September 2015 February 2016 September 2016

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## PUBLICATIONS

\*graduate student or postdoc author

§corresponding author

1. **Gatzke-Kopp, L. M.**<sup>§</sup>, Willoughby, M. T., Warkentien, S. M., O'Connor, T., Granger, D., & Blair, C. (revision under review). Magnitude and chronicity of smoke exposure across infancy and early childhood in a sample of low income children.
2. White, R.\*<sup>§</sup>, **Gatzke-Kopp, L. M.**<sup>§</sup>, Ryan, P. J.\*<sup>§</sup>, & Lydon-Staley, D. M. (2018). The association between perinatal hypoxia exposure and externalizing symptoms and risky decision making in childhood is moderated by DRD2 genotype. *Developmental Psychobiology*, 1-13. 10.1002/dev.21785
3. **Gatzke-Kopp, L. M.**<sup>§</sup>, & Ram, N. (2018). Developmental dynamics of autonomic function in childhood. *Psychophysiology*, e13218. doi:10.1111/psyp.13218
4. Creavey, K. L.\*<sup>§</sup>, **Gatzke-Kopp, L. M.**<sup>§</sup>, & Fosco, G. M. (2018). Differential effects of family stress exposure and harsh parental discipline on child social competence. *Journal of Child and Family Studies*, 27, 483-493. doi: 10.1007/s10826-017-0913-3
5. **Gatzke-Kopp, L. M.**<sup>§</sup>, Ram, N., Lydon-Staley, D. M.\*<sup>§</sup>, & DuPuis, D.\*<sup>§</sup>. (2018) Children's sensitivity to cost and reward in decision making across distinct domains of probability, effort, and delay. *Journal of Behavioral Decision Making*, 31, 12-24. doi: 10.1002/bdm.2038
6. Shader, T. M.\*<sup>§</sup>, **Gatzke-Kopp, L. M.**<sup>§</sup>, Crowell, S. E., Reid, M. J., Thayer, J. F., Vasey, M. W., Webster-Stratton, C., Bell, Z., & Beauchaine, T. P. (2018) Quantifying respiratory sinus arrhythmia: Effects of misspecifying breathing frequencies across development. *Development and Psychopathology*, 30, 351-366. doi: 10.1017/S0954579417000669
7. **Gatzke-Kopp, L. M.**<sup>§</sup>, & Creavey, K. L.\*<sup>§</sup>. (2017) Unsealing fate: Policy practices aimed at reducing the intergenerational transmission of poverty. *Policy Insights from the Behavioral and Brain Sciences*, 4(2), 115-122. doi:10.1177/2372732217719712
8. Giuliano, R. J.\*<sup>§</sup>, **Gatzke-Kopp, L. M.**<sup>§</sup>, Roos, L. E., & Skowron, E. A. (2017) Resting sympathetic

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arousal moderates the association between parasympathetic reactivity and working memory performance in adults reporting high levels of life stress. *Psychophysiology*, 54, 1195-1208. doi:10.1111/psyp.12872

9. Beauchaine, T. P., **Gatzke-Kopp, L. M.**, & Gizer, I. R. (2017). Genetic and environmental influences on behavior. In T. Beauchaine & S. Hinshaw (Eds.), *Child and Adolescent Psychopathology 3<sup>rd</sup> Edition*. (pp. 68 – 112). Hoboken, NJ: Wiley.
10. Arnett, P. A., Meyer, J. E., Merritt, V. A., **Gatzke-Kopp, L.M.**, & Bowen, K. E. S. (2017). Brain injury as a risk factor for psychopathology. In T. Beauchaine & S. Hinshaw (Eds.), *Child and Adolescent Psychopathology 3<sup>rd</sup> Edition*. (pp. 316 – 345). Hoboken, NJ: Wiley.
11. Willner, C. J\*., **Gatzke-Kopp, L. M.**, & Bray, B. (2016). The dynamics of internalizing and externalizing comorbidity across the early school years. *Development and Psychopathology*, 28, 1033-1052.
12. Farmer, T. W., **Gatzke-Kopp, L. M.**, Lee, D. L., Dawes, M., & Talbott, E. (2016). Research and policy on disability: Linking special education to developmental science. *Policy Insights from the Behavioral and Brain Sciences*, 3, 138-145.
13. Kalvin, C. B.\*., Bierman, K., & **Gatzke-Kopp, L. M.** (2016) Emotional reactivity, behavior problems, and social adjustment at school entry in a high-risk sample. *Journal of Abnormal Child Psychology*, 44, 1527-1541.
14. **Gatzke-Kopp, L. M**<sup>§</sup>. (2016). Diversity and representation: Key issues for psychophysiological science. *Psychophysiology*, 53, 3 – 13.
15. **Gatzke-Kopp, L. M**<sup>§</sup>., Willner, C. J\*., Jetha, M., K., Abenavoli, R. M\*., DuPuis, D\*., & Segalowitz, S. J. (2015). How does Reactivity to Frustrative Non-Reward Increase Risk for Externalizing Symptoms? *International Journal of Psychophysiology*, 98, 300-309.
16. Willner, C. J\*., **Gatzke-Kopp, L. M.**, Bierman, K., Greenberg, M., & Segalowitz, S. J. (2015). Relevance of a neurophysiological marker of selective attention for children’s learning-related behaviors and academic performance. *Developmental Psychology*, 51, 1148-1162.
17. Gates, K. M., **Gatzke-Kopp, L. M.**, Sandsten M., & Blandon, A. Y. (2015). Estimating time-varying RSA using short-time Fourier transform: A demonstration of utility using marital dyads. *Psychophysiology*, 52, 1059-1065.
18. Beauchaine, T. P., Neuhaus, E., **Gatzke-Kopp, L. M.**, Reid, M. J., Chipman, J., Brekke, A., Olliges, A., Shoemaker, S., & Webster-Stratton, C. (2015). Electrodermal responding predicts responses to, and may be altered by, preschool intervention for ADHD. *Journal of Consulting and Clinical Psychology*, 83, 293-303.
19. DuPuis, D\*., Ram, N., Willner, C. J\*., Karalunas, S., Segalowitz, S. J., & **Gatzke-Kopp, L.M.**<sup>§</sup> (2015). Implications of ongoing neural development for the measurement of the error-related negativity in childhood. *Developmental Science*, 18, 452-468.
20. **Gatzke-Kopp, L. M**<sup>§</sup>., Greenberg, M., & Bierman, K. (2015). Children’s parasympathetic reactivity to specific emotions moderates response to intervention for early-onset aggression. *Journal of Clinical Child and Adolescent Psychology*, 44, 291-304.
21. Ram, N., **Gatzke-Kopp, L.**, Gerstorf, D., Coccia, M., Morack, J., & Molenaar, P. C. M. (2015).

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Intraindividual variability across the life span: Moving towards a computational developmental science. In M. Diehl, K. Hooker, & M. Sliwinski (Eds). *Handbook of Intraindividual Variability Across the Lifespan* (pp. 16-34). NY: Routledge

22. Beeney J. E.\*, Levy, K. N., **Gatzke-Kopp, L. M.**, & Hallquist, M. (2014). EEG asymmetry in borderline personality disorder and depression following rejection. *Personality Disorders: Theory, Research, and Treatment*, 5, 178-185.
23. **Gatzke-Kopp, L. M.**\*, Jetha, M. K.\*, & Segalowitz, S. J. (2014). The role of resting frontal EEG asymmetry in psychopathology: Afferent or efferent filter? *Developmental Psychobiology*, 56, 73-85.
24. Skowron, E. A., Cipriano-Essel, E. A., **Gatzke-Kopp, L. M.**, Teti, D. & Ammerman, R. (2014). Early adversity, RSA, and inhibitory control: evidence of children's neurobiological sensitivity to social context. *Developmental Psychobiology*, 56, 964-978.
25. Beauchaine, T. P., Neuhaus, E., **Gatzke-Kopp, L. M.**, Reid, M. J., Chipman, J\*., Brekke, A., Olliges, A., Shoemaker, S., & Webster-Stratton, C. (2013). Sympathetic- and parasympathetic-linked cardiac function prospectively predict differential aspects of treatment response among preschoolers with ADHD. *Journal of Consulting and Clinical Psychology*, 81, 481-493.
26. Fortunato, C. F.\*, **Gatzke-Kopp, L. M.**, & Ram, N. (2013). Associations between respiratory sinus arrhythmia reactivity and internalizing and externalizing symptoms are emotion specific. *Cognitive and Affective Behavioral Neuroscience*, 13, 238-251
27. Beauchaine, T. P., & **Gatzke-Kopp, L. M.** (2013). Genetic and environmental influences on behavior. In T. Beauchaine & S. Hinshaw (Eds.), *Child and Adolescent Psychopathology 2<sup>nd</sup> Edition* (pp.111-140). Hoboken, NJ: Wiley.
28. Shannon-Bowen, K.E.\* & **Gatzke-Kopp, L.M.** (2013). Brain injury as a risk factor for psychopathology. In T. Beauchaine & S. Hinshaw (Eds.), *Child and Adolescent Psychopathology 2<sup>nd</sup> Edition* (pp.317-340). Hoboken, NJ: Wiley.
29. **Gatzke-Kopp, L. M.**\*, DuPuis, D.\*, Nix, R. L. (2013). Social and biological changes during adolescence that precipitate the onset of antisocial behavior. In W. O'Donohue, L. Benuto, & L. Woodward Tolle (Eds.). *Handbook of Adolescent Health Psychology* (pp. 447-462). Springer Publishers.
30. Beauchaine, T. P., & **Gatzke-Kopp, L. M.** (2012). Instantiating the multiple levels of analysis perspective into a program of study on externalizing behavior. *Development and Psychopathology*, 24, 1003-1018.
31. **Gatzke-Kopp, L. M.**\*, Greenberg, M., Fortunato, C. K.\*, & Coccia, M. A. (2012). Aggression as an equifinal outcome of distinct neurocognitive and neuroaffective processes. *Development and Psychopathology*, 24, 985-1002.
32. Sauder, C. L\*., Beauchaine, T. P., **Gatzke-Kopp, L. M.**, Shannon, K. E.\*, & Aylward, E. (2012). Neuroanatomical correlates of heterotypic comorbidity in externalizing youth. *Journal of Clinical Child and Adolescent Psychology*, 41, 346-352.
33. Skowron, E. A., Loken, E., **Gatzke-Kopp, L. M.**, Cipriano, E. A.\*, Rovers, P.\*, Van Epps, J\*., Gowda, A.\*, & Ammerman, R. T. (2011). Mapping cardiac physiology, parenting, and dyadic processes

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in maltreating mother-child dyads. *Journal of Family Psychology*, 25, 663-674.

34. Cipriano, E. A.\*, Skowron, E. A., & **Gatzke-Kopp, L.M.** (2011). Preschool children's physiology moderates relations between violence exposure and behavioral adjustment. *Child Maltreatment*, 16, 205-215.
35. **Gatzke-Kopp, L. M.** (2011). The canary in the coalmine: The sensitivity of mesolimbic dopamine to environmental adversity during development. *Neuroscience and Biobehavioral Reviews*, 35, 794-803.
36. Ram, N., Grimm, K. J., **Gatzke-Kopp, L. M.**, & Molenaar, P. C. M. (2011). Longitudinal mixture models and the identification of archetypes: Action-adventure, mystery, science fiction, or romance? In Laresen, Little & Card (Eds.) *Handbook of Developmental Methods* (pp.481-500). New York, NY: The Guilford Press.
37. Blair, C., Calkins, S. & **Kopp, L.** (2010). Self-regulation at the interface of emotional and cognitive development: Implications for education and academic achievement. In R. Hoyle (Ed.) *Handbook of Personality and Self-Regulation*. (pp. 64-90). Malden, MA: Blackwell.
38. Vasilev, C. A.\*, Crowell, S. E.\*, Beauchaine, T. P., Mead, H. K.\*, & **Gatzke-Kopp, L. M.** (2009). Correspondence between physiological and self-report measures of emotion regulation: A longitudinal investigation of youth with and without psychopathology. *Journal of Child Psychology and Psychiatry*, 50, 1357-1364.
39. Shannon, K. E.\*, Sauder, C.\*, Beauchaine, T. P., & **Gatzke-Kopp, L. M.** (2009). Disrupted effective connectivity between the medial frontal cortex and the caudate in adolescent boys with externalizing behavior disorders. *Criminal Justice and Behavior*, 36, 1141-1157.
40. Beauchaine, T. P., Klein, D. N., Crowell, S. E.\*, **Gatzke-Kopp, L.**, & Derbidge, C.\* (2009). Multifinality in the Development of Personality Disorders: A Biology × Sex × Environment Model of Antisocial and Borderline Traits. *Development and Psychopathology*, 21, 735-770.
41. **Gatzke-Kopp, L. M.**, Beauchaine, T. P., Shannon, K. E.\*, Chipman, J.\*, Fleming, A. P.\*, Crowell, S. E.\*, Liang, O., Johnson, L. C., & Aylward, E. (2009). Neurological correlates of reward responding in adolescents with conduct disorder and/or attention-deficit/hyperactivity disorder. *Journal of Abnormal Psychology*, 118, 203-213.
42. Beauchaine, T. P., Neuhaus, E.\*, Brenner, S. L.\*, & **Gatzke-Kopp, L.** (2008). Ten good reasons to consider biological variables in prevention and intervention research. *Development and Psychopathology*, 20, 745-774.
43. Beauchaine, T. P., Hinshaw, S. P., & **Gatzke-Kopp, L.** (2008). Genetic and environmental influence on behavior. In T. P. Beauchaine & S. P. Hinshaw (Eds.), *Child and Adolescent Psychopathology* (pp. 58-90). Hoboken, NJ: Wiley.
44. **Gatzke-Kopp, L.M.**, & Shannon, K.E.\* (2008). Brain injury as a risk factor for psychopathology. In T. Beauchaine & S. Hinshaw (Eds.), *Child and Adolescent Psychopathology* (208-233). Hoboken, NJ: Wiley.
45. **Gatzke-Kopp, L.M.**, & Beauchaine, T.P. (2007). Direct and passive prenatal nicotine exposure and the development of externalizing psychopathology. *Child Psychiatry and Human Development*, 38, 255-269.



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46. Shannon, K.E.\*, Beauchaine, T.P., Brenner, S.L.\*, Neuhaus, E.\*, & **Gatzke-Kopp, L.** (2007). Familial and temperamental predictors of resilience in children at risk for conduct disorder and depression. *Development and Psychopathology, 19*, 701-727.
  47. **Kopp, L.M.<sup>s</sup>**, & Beauchaine, T. P. (2007). Patterns of psychopathology in the families of children with conduct problems, depression, and both psychiatric conditions. *Journal of Abnormal Child Psychology, 35*, 301-312.
  48. Beauchaine, T.P., **Gatzke-Kopp, L.**, & Mead, H. (2007). Polyvagal theory and developmental psychopathology. Emotion dysregulation and conduct problems from preschool to adolescence. *Biological Psychology, 74*, 174-184.
  49. **Gatzke-Kopp, L.<sup>s</sup>**, & Beauchaine, T. P. (2007). Central nervous system substrates of impulsivity: Implications for the development of attention-deficit/hyperactivity disorder and conduct disorder. In D. Coch, G. Dawson, & K. Fischer (Eds.), *Human Behavior and the Developing Brain: Atypical Development*. (pp. 239-263) New York: Guilford Press.
  50. Crowell, S.E.\*, Beauchaine, T.P., **Gatzke-Kopp, L.**, Sylvers, P.\*, Mead, H.\*, & Chipman-Chacon, J.\* (2006). Autonomic correlates of attention-deficit/hyperactivity disorder and oppositional defiant disorder in preschool children. *Journal of Abnormal Psychology, 115*, 174-178.
  51. Raine, A., Dodge, K., Loeber, R., **Gatzke-Kopp, L.M.**, Lynam, D., Reynolds, C., Stouthamer-Loeber, M., & Liu, J. (2006). The Reactive-Proactive Aggression (RPQ) Questionnaire: Differential correlates of reactive and proactive aggression in adolescent boys. *Aggressive Behavior, 32*, 159-171.
  52. **Gatzke-Kopp, L.M.<sup>s</sup>**, Raine, A., Loeber, M., Stouthamer-Loeber, M., & Steinhauser, S.R. (2002). Serious Delinquent Behavior, Sensation-Seeking and Electrodermal Arousal. *Journal of Abnormal Child Psychology, 30*(5), 477-486.
  53. **Gatzke-Kopp, L.M.<sup>s</sup>**, Raine, A., Buchsbaum, M., & LaCasse, L. (2001). Temporal lobe EEG deficits in murderers not detected by PET. *Journal of Neuropsychiatry and Clinical Neurosciences, 13*(4), 486-491.
  54. **Gatzke, L.M.<sup>s</sup>**. & Raine, A. (2000). Treatment and prevention implications of antisocial personality disorder. *Current Psychiatry Reports, 2*(1), 51-55.
  55. **Gatzke, L.M.<sup>s</sup>**. (1999). EEG. In R. Gottesman & M. Mazon (Eds.), *Encyclopedia of Violence in the United States*. New York: Charles Scribner.
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## CONFERENCE PRESENTATIONS

### Symposia presentations

1. **Gatzke-Kopp, L. M.** & Ram, N. (2017). Developmental Patterns of Associations Across Sympathetic and Parasympathetic Autonomic Indices in Children. Paper presented at the Society for Research in Child Development, April 6 – 8, Austin, TX.
2. **Gatzke-Kopp L. M.** [Discussant]. (2016). “The Role of Self-Regulation in Predicting Social-Emotional and Academic Outcomes in Young children: A Neurophysiological Approach. Symposium presented at the 28<sup>th</sup> Association for Psychological Science Convention, May 26-29, Chicago, IL.

3. **Gatzke-Kopp, L. M.** (2015). Who do representative samples represent? Paper presented at the Society for Psychophysiological Research annual meeting, Seattle, WA.
4. **Gatzke-Kopp, L. M.,** & Ram, N. (2015). Neurodevelopmental changes in young children confound the meaning of ERN amplitudes in averaged waveforms: The differential associations of power and consistency. Paper presented at the Association for Psychological Science annual meeting, New York, NY.
5. Skowron, E., Khurana, A., **Gatzke-Kopp, L. M.<sup>presenter</sup>**. (2015). Latent classes of dyadic synchrony, rupture and repair predict children's RSA and inhibitory control. Paper presented at the Society for Research in Child Development Bi-Annual Meeting. Philadelphia, PA.
6. Skowron, E., Khurana, A., **Gatzke-Kopp, L. M.** (2014). Latent classes of dyadic synchrony, rupture and repair predict children's RSA and inhibitory control. Paper presented at the Society for Research in Child Development Special Topic Meeting: New Conceptualizations in the Study of Parenting-At-Risk. San Diego, CA.
7. **Gatzke-Kopp, L. M.,** Greenberg, M., & Bierman, K. (2014). Parasympathetic reactivity to specific emotions moderates response to intervention for early-onset aggression. Paper presented at the annual meeting of the Association for Psychological Science, San Francisco.
8. Gates, K.M., **Gatzke-Kopp, L.,** & Bandon, A. Y. (2013). Introducing a new method to examine relatedness among individuals in their dynamic parasympathetic processes. Paper presented at the annual meeting of the Society for Psychophysiological Research, Florence.
9. Ram, N., Coccia, M., Davis, E., Fortunato, C., **Gatzke-Kopp, L.,** & Buss, K. (2013). Going nonlinear in response to challenging situations: modeling children's physiological reactivity. Paper presented at the Society for Research in Child Development conference, Seattle, WA.
10. Skowron, E., Cipriano, E., Teti, D., **Gatzke-Kopp, L.,** & Ammerman, R. (2013). Children's RSA moderates associations between maltreatment exposure and inhibitory control: Evidence of neurobiological sensitivity to context. Paper presented at the Society for Research in Child Development conference, Seattle, WA.
11. Beeney, J.E., Levy, K.N., **Gatzke-Kopp, L.M.** (2013). *Differences in EEG Asymmetry and Aggression in Borderline Personality Disorder and Major Depression Following Rejection*. Paper session presented at the annual meeting of the North American Society for the Study of Personality Disorders, Boston, MA.
12. **Gatzke-Kopp, L. M.** (2012). Implications of etiological heterogeneity for treatment of syndromally-defined behavior disorders. Paper presented at the Society for Research in Psychopathology, Ann Arbor, MI.
13. Jetha, M. K. **Gatzke-Kopp, L. M.,** & Segalowitz, S. J. (2012). The prefrontal cortex is a moving

target in early childhood: Implications of ongoing neural maturation for ERP research in longitudinal studies. Paper presented at the Society for Psychophysiological Research, New Orleans, LA.

14. **Gatzke-Kopp, L.**, Ram, N., Fortunato, C.\*, Wadlinger, H.\*, Beeney, J.\* (2010). The phenotype problem in externalizing behavior disorders. Paper presented at the Association for Psychological Science annual research conference, Boston, MA.
15. Jetha, M. K.\*, Segalowitz, S. J., **Gatzke-Kopp, L.**, Ly, D.\* (2010). The nogo-N2 effect predicts externalizing behavior in 5-6 year old children at risk for reduced inhibitory control. Paper presented at the Society for Psychophysiological Research, Portland, OR. *Psychophysiology*,
16. **Gatzke-Kopp, L.**, Ram, N., Karalunas, S\*., Fortunato, C.\*, Jetha, M.\*, & Gates, K.\* (2009). The relationship of motivation and cognition in reinforcement processing. Paper presented at the Society for Psychophysiological Research, Berlin, Germany. Symposium Abstract: The Psychophysiology of Developmental Psychopathology, *Psychophysiology*, 46, s27-s28.
17. **Gatzke-Kopp, L. M.**, Beauchaine, T. P., Shannon, K. E., Crowell, S., Chipman-Chacon, J., Flemming, A., Aylward, E., Johnson, L. C. (2007). Central nervous system correlates of reward responsivity in conduct disorder adolescent Boys. Paper presented at the Society for Research in Child Development, Boston, MA.

### Poster Presentations

1. White, R\*, Ram, N., & **Gatzke-Kopp, L. M.** (2018). Trait-like worry moderates central and autonomic nervous system coupling in the context of affective manipulation. Poster presented at the Annual Meeting of the Society for Psychophysiological Research. Montreal, Canada.
2. Zhang, X., & **Gatzke-Kopp, L. M.** (2018). Developmental Changes in skin conductance among children with elevated externalizing symptoms. Poster to be presented at the International Society for Developmental Psychobiology. San Diego, CA.
3. White, R\*, Yang, X.\*, Ram, N., & **Gatzke-Kopp, L. M.** (2017). Skin conductance reactivity moderates the association between deliberation time and willingness to take risk in a probabilistic decision-making task. Poster presented at the Annual Meeting of the Society for Psychophysiological Research. Vienna, Austria.
4. Ryan, P.J., Benson, L., Ram, N., **Gatzke-Kopp, L.M.** (2017). Neurovisceral integration: Coordinated activity of sympathetic, parasympathetic, and cortical systems within individuals. Society for Psychophysiological Research Annual Meeting, Vienna, Austria.
5. Creavey, K. L\*, Kiser, L. J. Fishbein, D. H., & **Gatzke-Kopp, L. M.** (2017, November). Parent-child physiological synchrony and child emotion regulation: The role of parental trauma. Poster to be presented at the 33rd Annual Meeting of the International Society for Traumatic Stress Studies, Chicago, Illinois.

6. Mathis, E., Kiser, L., Fishbein, D., **Gatzke-Kopp, L.**, Medoff, D., & Creavey, K\*. (2017). The physiology of emotion regulation in parent-child dyads during individual vs. join emotion tasks. Poster presented at the annual Society for Prevention Research, Washington, DC.
7. White, R\*, Ryan, P\*, Lydon-Staley, D\*, & **Gatzke-Kopp, L. M.** (2017). COMT gene variants differentially moderate the effects of physical and interpersonal risk factors on delay tolerance. Poster presented at the annual Society for Research in Child Development conference, Austin, TX.
8. White, R\*, Ryan, P\*, Lydon-Staley, D\*, & **Gatzke-Kopp, L. M.** (2017). DRD2 Taq1A polymorphism moderates the effect of pre- and perinatal exposure to hypoxic conditions on probability discounting. Poster presented at the annual Society for Research in Child Development conference, Austin, TX.
9. Ryan, P\*, White, R\*, Lydon-Staley, D\*, & **Gatzke-Kopp, L. M.** (2017). A polymorphism in the glucocorticoid receptor gene mitigates the effect of physical prenatal maternal stress on effort tolerance. Poster presented at the annual Society for Research in Child Development conference, Austin, TX.
10. Willner, C. J\*, **Gatzke-Kopp, L. M.**, & Bray, B. C. (2016). Electrophysiological indices of social threat processing biases in children with internalizing, externalizing, and comorbid symptoms. Poster presented at the 2016 annual conference of the Society for Affective Science, Chicago, IL.
11. Willner, C. J\*, **Gatzke-Kopp, L. M.**, & Bray, B. (2015). Do automatic or controlled social threat processing biases predict children's internalizing and externalizing symptom profiles? Poster presented at the 2015 Developmental Affective Neuroscience Symposium at the University of Pittsburgh, PA.
12. Lydon, D. M\*, Ram, N., Geier, C. F., & **Gatzke-Kopp, L. M.** (2015). Cost discounting in children exposed to prenatal cigarette smoking. Poster presented at Flux: The International Congress of Integrative Developmental Cognitive Neuroscience, Leiden, The Netherlands.
13. Lydon, D. M\*, Ram, N., Geier, C. F., & **Gatzke-Kopp, L. M.** (2015). Cost discounting in children exposed to prenatal cigarette smoking. Poster presented at Society for Research in Child Development Special Meeting: Developmental Neuroscience, Leiden, The Netherlands.
14. Kalvin, C., Bierman, K., **Kopp, L.** (2015). Early aggression, social competence, and peer rejection: Associations with respiratory sinus arrhythmia and heart rate. Poster to be presented at the Bi-Annual Society for Research in Child Development Meeting. Philadelphia, PA.
15. Willner, C. J\*, Jetha, M. K., Segalowitz, S. J., & **Gatzke-Kopp, L. M.** (2014). Emotional face processing biases and children's social withdrawal and externalizing behaviors in school. *Psychophysiology*, 51 (Supplement 1), S19. Poster presented at the annual meeting of the Society for Psychophysiological Research, Atlanta, GA.

16. Bova, K. L.\*, **Gatzke-Kopp, L. M.**, Fosco, G. M., & Willner, C. J\*. (2014). Applying the diathesis-stress and biological sensitivity models in environments of risk shows evidence of differential associations of child behavior outcomes with low compared to high RSA. *Psychophysiology*, 51 (Supplement 1): 519. Poster presented at the annual meeting of the Society for Psychophysiological Research, Atlanta, GA.
17. Brekke, A., Olliges, A., Welch, S., McNulty, T., Zisner, A., **Gatzke-Kopp, L.M.**, Reid, M. J., Webster-Stratton, C., & Beauchaine, T. P. (2013). Multimodal treatment for ADHD in preschool confers increased electrodermal responding at one-year follow up. Poster presented at the 53<sup>rd</sup> annual meeting of the Society for Psychophysiological Research, Florence, Italy.
18. Willner, C.\*, Abenevoli, R.\*, DuPuis, D.\*, & **Gatzke-Kopp, L.** (2012). Relevance of the P3 event-related potential and executive function assessments to children's social-emotional functioning in kindergarten. Poster presented at the 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
19. Fortunato, C. K.\*, **Gatzke-Kopp, L. M.**, & Ram, N. (2012). Parasympathetic reactivity to specific emotional experiences: relation to children's symptoms of internalizing and externalizing problems. Poster presented at the 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
20. Jetha, M. K.\*, **Gatzke-Kopp, L. M.**, & Segalowitz, S. J. (2012). The stability of visual ERP components in young children. Poster presented at the 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
21. **Gatzke-Kopp, L. M.**, Fortunato, C.\*, Jetha, M.\*, & Wadlinger, H.\* (2011). EEG asymmetry as a biological context for the relationship between arousal and regulation. Poster session presented at the 51<sup>st</sup> annual meeting of the Society for Psychophysiological Research, Boston, MA.
22. Willner, C. J.\* & **Gatzke-Kopp, L. M.** (2011). Quantifying individual differences in skin conductance reactivity: Unique associations with children's social behavior. Poster session presented at the 51<sup>st</sup> annual meeting of the Society for Psychophysiological Research, Boston, MA.
23. DuPuis, D\*., **Gatzke-Kopp, L. M.**, & Molenaar, P. C. M. (2011). Temporal stability of the error related negativity signal as a marker of developmental immaturity. Poster presented at the 51<sup>st</sup> annual meeting of the Society for Psychophysiological Research. Boston, MA.
24. Fortunato, C. K.\*, DuPuis, D.\*, **Gatzke-Kopp, L. M.**, Wadlinger, H.\* (2011). Stability in cardiac and electrodermal activity in low-risk and aggressive kindergarteners: Implications for child adjustment. Presented at the Society for Research in Child Development biennial meeting, Montreal, Canada.
25. Fortunato, C. K.\*, **Gatzke-Kopp, L. M.**, Ram, N., Wadlinger, H.\*, & Beeney, J.\* (2010). Relationships among neurobiology, parenting, and children's psychopathology: Implications for early childhood intervention. Presented at the 24<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Seattle, WA.

26. Gates, K.\*, **Gatzke-Kopp, L.**, & Ram, N. (October, 2009). Profiling within-group heterogeneity using psychophysiological markers. Poster presented at the Society for Psychophysiological Research, Berlin, Germany. *Psychophysiology*, 46, s107.
27. Jetha, M.\*, Segalowitz, S., & **Gatzke-Kopp, L.** (October, 2009). Frontal EEG asymmetry in highly aggressive 5-6 year old girls. Poster presented at the Society for Psychophysiological Research, Berlin, Germany. *Psychophysiology*, 46, s105.
28. Karalunas, S.\*, **Gatzke-Kopp, L.**, & Huang-Pollack, C. (October, 2009). Understanding intra-individual variability in autonomic and ERP measures. Poster presented at the Society for Psychophysiological Research, Berlin, Germany. *Psychophysiology*, 46, s107.
29. **Gatzke-Kopp, L.M.**, & Beauchaine, T. P. (2006). Direct and passive prenatal nicotine exposure and the development of externalizing psychopathology. Poster presented at the annual meeting of the Society for Research in Psychopathology, St. Louis, MO.
30. **Gatzke-Kopp, L.M.**, Beauchaine, T.P., Brenner, S., Crowell, S., Mead, H., Marsh, P., Shannon, K., Chipman-Chacon, J., & Fleming, A. (2005). Test-retest reliability of autonomic nervous system functioning in a longitudinal developmental study. Poster presented at the Society for Psychophysiological Research meeting Lisbon, Portugal. *Psychophysiology*, 42, S57.
31. **Gatzke-Kopp, L.M.**, & Beauchaine, T. P. (2004). Familial patterns of psychopathology in children with conduct disorder comorbid with depression. Poster presented at the annual meeting of the Society for Research in Psychopathology, San Diego, CA.
32. Kwok, W., **Gatzke, L.M.**, Jernigan, T.L. (1998). MRI analysis of the relationship between regional corpus callosum area and cerebral lobar volume. Poster presented at the annual meeting of the Society for Neuroscience, Los Angeles, CA.
33. **Gatzke, L.M.**, Symonds, L.L., Jernigan, T.L., & Jeste, D.V. (1997). White matter abnormalities in older schizophrenia patients compared to healthy volunteers. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
34. Symonds, L.L., **Gatzke, L.M.** & Jeste, D.V. (1996) White matter abnormalities in late life schizophrenia. Poster presented at the annual meeting of the American College of Neuropharmacology.
35. Raven, M.A., DeVinney, C.R., **Gatzke, L.M.**, & Ettenberg, A. (1996) Cocaine potentiates medial forebrain bundle intracranial self-stimulation. Poster presented at the annual meeting of the Society for Neuroscience, Washington D.C.

## Invited Research Lectures

### Academic

Grand Rounds, Hershey School of Medicine, Penn State  
 University of Massachusetts, Boston  
 Carolina Consortium on Human Development

November 2013  
 November 2012  
 September 2011

Brock University

June 2009

### **Community/Outreach**

Penn State "Research Unplugged"

July 2012

Penn State Early Childhood and Education Summer Training Program

July 2010

Learning and the Brain Conference, Washington D.C

May 2010

Healthy Brain Conference, Eugene Oregon

October 2008

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## **MENTORSHIP AND ADVISING**

### **Training Grants: Affiliated Faculty Mentor**

Prevention and Methodology Training (PAMT)

2008 - current

National Institute of Drug Abuse

T32 DA017629

Training Interdisciplinary Educational Scientists (TIES)

2009 - 2017

Institute of Education Sciences

R305B090007

### **Former Graduate Students**

Kristine Creavey, Ph.D., Human Development and Family Studies [TIES]

2018

Cynthia Willner, Ph.D., Human Development and Family Studies, [TIES]

2016

David DuPuis, Ph.D., Neuroscience, [PAMT]

2013

Christine Fortunato, Ph.D., Human Development and Family Studies

2011

### **Current Graduate Students**

Cassidy Fry, Human Development and Family Studies

2018-

Xutong Zhang, Human Development and Family Studies

2016 -

Patrick Ryan, Human Development and Family Studies

2015 -

Roisin White, Human Development and Family Studies [PAMT]

2014 -

### **Postdoctoral Mentees**

Yolanda Murphy, Ph.D.

2018 -

Christine Fortunato, Ph.D.

2011 - 2012

Heather Wadlinger, Ph.D [PAMT]

2009 - 2011

Michelle Jetha, Ph.D.

2008 - 2010

### **Undergraduate Research Supervision**

(students who completed evaluated research projects/papers)

Kathryn Adams, Psychology, Undergraduate Research Internship

2016

Rebecca Goodyear, HDFS, Undergraduate Research Internship

2012

Julia Vadas, HDFS, Undergraduate Research Internship

2012

Kaitlin Tobash, Biology, Honors Thesis

2011

Jennifer Valdivia, Biobehavioral Health, McNair Summer Research Project

2011

Carole Good, HDFS, Undergraduate Research Internship

2011

Carrie Pernesky, HDFS, Undergraduate Research Internship

2010

Shannon O'Neil, HDFS, Honors Thesis

2009

Theresa McKim, Biobehavioral Health, Honors Thesis	2009
Theodore Molnar, Biobehavioral Health, Honors Thesis	2008

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## TEACHING

### Undergraduate Courses

Developmental Problems in Childhood and Adolescence  
 Honors Research Methods

### Graduate Courses

Prenatal and Infant Development  
 Techniques in Human Neuroscience  
 Biological Systems in Developmental Context  
 Colloquium in Human Development and Family Studies  
 Ethics and Professionalism

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## SERVICE RELATED ACTIVITIES

### Departmental Service

Director of the HDFS Honors Program	2013 – 2016
Program Planning Development & Evaluation (PPD&E)	2013; 2016 - ongoing
Department Head Search Committee	2013 - 2014
Child Maltreatment Faculty Search Committee	2012 - 2013
Prevention Research Center Director Search Committee	2012 - 2014
Graduate Admissions Committee	2012, 2016 - ongoing
Neuroscience Faculty Search Committee	2010 - 2011
Faculty Sponsor- Undergraduate Student Organization	2008 - 2011
New Building Planning Committee	2008 - 2014

### College Service

College Graduate Fellowship Committee	2017
College Strategic Planning Committee	2014
College Undergraduate Scholarship Committee	2009 - 2012
Neuroscience Strategic Planning Committee	2007

### University Service

Social Science Research Institute Steering Committee	2012 – 2017
Program Committee, undergraduate minor in Neuroscience	2010-ongoing
Social, Life, and Engineering Imaging Center equipment committee	2009-2011

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