

Ryan J. Giuliano

Curriculum Vitae

Department of Psychology
University of Manitoba
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EDUCATION

- Ph.D. Department of Psychology, University of Oregon, 2017
Dissertation: *Associations Between Cardiac Measures of Autonomic Activity and Selective Attention in Children and Adults*
- M.S. Department of Psychology, University of Texas, San Antonio, 2009
- B.B.A. Department of Information & Operations Management, Texas A&M University, 2005

PROFESSIONAL EXPERIENCE

- July 2018-present Associate Professor, Dept. of Psychology, University of Manitoba
- 2017-2018 Post-Doctoral Research Associate, Dept. of Psychology, University of Oregon

PUBLICATIONS

- MacKinnon, A. L., Simpson, K. M., Salisbury, M. R., Bobula, J., Penner-Goeke, L., Berard, L., Rioux, C., Giesbrecht, G. F., **Giuliano, R. J.**, ... & Roos, L. E. (2022). Building Emotional Awareness and Mental Health (BEAM): A pilot randomized controlled trial of an App-based program for mothers of toddlers. *Frontiers in Psychiatry*, 1330, 1-16.
- Harvie, H., Jain, B., Nelson, B., Knight, E., Roos, L. E., & **Giuliano, R. J.** (2021). Induction of acute stress through an internet-delivered Trier Social Stress Test as assessed by photoplethysmography on a smartphone. *Stress*, 24(6), 1023-1032.
- Roos, L. E., Salisbury, M., Penner-Goeke, L., Cameron, E. E., Protudjer, J. L. P., **Giuliano, R. J.**, Afifi, T. O., & Reynolds, K. (2021). Supporting families to protect child health: Parenting quality and household needs during the COVID-19 pandemic. *Plos one*, 16(5), e0251720.
- Roos, L. E., Kaminski, L., Stienwandt, S., Hunter, S., **Giuliano, R. J.**, Mota, N., Katz, L. Y., & Zalewski, M. (2020). The Building Regulation in Dual-generations Program (BRIDGE): A Mixed-methods Feasibility Pilot of a Parenting Program for Depressed Mothers of Preschoolers, Matched with Dialectical Behavior Therapy Skills. *Child Psychiatry & Human Development*, Aug 4, 1-17.
- Giuliano, R. J.**, Delaquis, C. P., & Roos, L. E. (2020). Elevations in EEG Power Spectra During a Go/No-go Task Following Acute Psychosocial Stress in Preschool Children. *PsyArxiv*.
- Knight, E. L., **Giuliano, R. J.**, Shank, S., Clarke, M., & Almeida, D. M. (2020). Parasympathetic and sympathetic nervous systems interactively predict change in cognitive functioning in midlife adults. *Psychophysiology*, 57(10), e13622.
- Roos, L. E., **Giuliano, R. J.**, Beauchamp, K. G., Berkman, E. T., Knight, E. L., & Fisher, P. A. (2020). Acute stress impairs children's sustained attention with increased vulnerability

- for children of mothers reporting higher parenting stress. *Developmental Psychobiology*, 62(4), 532-543.
- Salisbury, M. R., Stienwandt, S., **Giuliano, R. J.**, Penner-Goeke, L., Fisher, P. A., & Roos, L. E. (2020). Stress system reactivity moderates the association between cumulative risk and children's externalizing symptoms. *International Journal of Psychophysiology*, 158, 248-258.
- Barkman, H., Allan, A., Salisbury, M., Knight, E., Karns, C. M., Roos, L. E., Pakulak, E., & **Giuliano, R. J.** (2020). Growth Models of Positive Caregiving Behaviours and Concurrent Autonomic Activity in Caregivers and Children during a Challenging Puzzle Task: Replication and Extension. *PsyArxiv*.
- Ceccarelli, L., & **Giuliano, R. J.** (2020). Elevations in EEG Power Spectra During the Recall of Sport Failure Amongst University Athletes. *PsyArxiv*.
- Blaisdell, K. N., Barker, T. V., **Giuliano, R. J.**, & Fisher, P. A. (2020). Alpha electroencephalogram (EEG) asymmetry among toddlers in foster care. *Development and Psychopathology*, 32(5), 1743-1753.
- Flannery, J. E., Stagaman, K., Burns, A. R., Hickey, R. J., Roos, L. E., **Giuliano, R. J.**, Fisher, P. A., & Sharpton, T. J. (2020). Gut feelings begin in childhood: How the gut metagenome links to early environment, caregiving, and behavior. *mBio*, 11(1).
- Nekkanti, A. K., Jeffries, R., Scholtes, C. M., Shimomaeda, L., DeBow, K., Wells, J. N., Lyons, E. R., **Giuliano, R. J.**, Gutierrez, F. J., Woodlee, K. X., Funderburk, B. W., & Skowron, E. A. (2020). Study Protocol: The Coaching Alternative Parenting Strategies (CAPS) Study of Parent-Child Interaction Therapy in Child Welfare Families. *Frontiers in psychiatry*, 11, 839.
- Ceccarelli, L. A., **Giuliano, R. J.**, Glazebrook, C. M., & Strachan, S. M. (2019). Self-compassion and psycho-physiological recovery from recalled sport failure. *Frontiers in psychology*, 10, 1564.
- Lyons, E., Norman-Wells, J., Scholtes, C., Mintz, B., **Giuliano, R. J.**, Skowron, E. (2019). Recollections of positive early caregiving relate to autonomic reactivity and chronic inflammation in subsequent generations. *Developmental Psychobiology*, 61(2), 261-274.
- Roos, L. E., **Giuliano, R. J.**, Beauchamp, K. G., & Fisher, P. A. (2019). Biological measurements and family psychology. In B. H. Fiese, K. Deater-Deckard, M. Celano, E. N. Jouriles, & M. A. Whisman (Eds.), *The APA handbook of contemporary family psychology*. American Psychological Association.
- Giuliano, R. J.**, Karns, C. M., Roos, L. E., Bell, T., Petersen, S., Skowron, E. A., Neville, H. J., & Pakulak, E. (2018). Effects of early adversity on neural mechanisms of distractor suppression are mediated by sympathetic nervous system activity in preschool-aged children. *Developmental psychology*, 54(9), 1674-1686.
- Giuliano, R. J.**, Karns, C. M., Bell, T., Petersen, S., Skowron, E. A., Neville, H. J., & Pakulak, E. (2018). Parasympathetic and sympathetic activity are associated with individual differences in neural indices of selective attention in adults. *Psychophysiology*, 55(8), 1-16.
- Roos, L. E., Beauchamp, K. G., **Giuliano, R. J.**, Zalewski, M., Kim, H. K., & Fisher, P. A. (2018). Children's biological responsivity to acute stress predicts concurrent cognitive performance. *Stress*, 21(4), 347-354.

- Giuliano, R. J.,** Farrar, J., Roos, L. E., & Skowron, E. A. (2018). Cumulative risk exposure moderates the association between parasympathetic reactivity and inhibitory control in preschool-age children. *Developmental psychobiology*, 60(3), 324-332.
- Giuliano, R. J.,** Gatzke-Kopp, L. M., Roos, L. E., & Skowron, E. A. (2017). Resting sympathetic arousal moderates the association between parasympathetic reactivity and working memory performance in adults reporting high levels of life stress. *Psychophysiology*, 54, 1195-1208.
- Roos, L. E., **Giuliano, R. J.,** Beauchamp, K. G., Gunnar, M. R., Amidon, B., & Fisher, P. A. (2017). Validation of autonomic and endocrine reactivity to a laboratory stressor in young children. *Psychoneuroendocrinology*, 77, 51-55.
- Roos, L.E., Knight, E.L., Beauchamp, K.G., **Giuliano, R.J.,** Fisher, P.A. & Berkman, E.T. (2017). Methodological precision is key in acute stress and executive function research: A commentary on Shields et al., *Neuroscience and Biobehavioral Reviews*, 83, 140-144.
- Kim, M., Shimomaeda, L., **Giuliano, R. J.,** & Skowron, E. A. (2017). Intergenerational associations in executive function between mothers and children in the context of risk. *Journal of experimental child psychology*, 164, 1-15.
- Pakulak, E., Gomsrud, M., Reynolds, M. M., Bell, T. A., **Giuliano, R. J.,** Karns, C. M., ... & Neville, H. (2017). Focusing on Families: A Two-Generation Model for Reducing Parents' Stress and Boosting Preschoolers' Self-Regulation and Attention. *YC young children*, 72(2), 25.
- Clark, C. A., Skowron, E. A., **Giuliano, R. J.,** & Fisher, P. A. (2016). Intersections between cardiac physiology, emotion regulation and interpersonal warmth in preschoolers: Implications for drug abuse prevention from translational neuroscience. *Drug and alcohol dependence*, 163, S60-S69.
- Karns, C. M., Isbell, E., **Giuliano, R. J.,** & Neville, H. J. (2015). Auditory attention in childhood and adolescence: An event-related potential study of spatial selective attention to one of two simultaneous stories. *Developmental cognitive neuroscience*, 13, 53-67.
- Giuliano, R. J.,** Skowron, E. A., & Berkman, E. T. (2015). Growth models of dyadic synchrony and mother-child vagal tone in the context of parenting-at-risk. *Biological psychology*, 105, 29-36.
- Giuliano, R. J.,** Karns, C. M., Neville, H. J., & Hillyard, S. A. (2014). Early auditory evoked-potential is modulated by selective attention and related to individual differences in visual working memory capacity. *Journal of cognitive neuroscience*, 26(12), 2682-2690.
- Ceballos, N. A., **Giuliano, R. J.,** Wicha, N. Y. Y., & Graham, R. (2012). Acute stress and event-related potential correlates of attention to alcohol images in social drinkers. *Journal of studies on alcohol and drugs*, 73, 761-771.
- Giuliano, R. J.,** Pfordresher, P. Q., Stanley, E. M., Narayana, S., & Wicha, N. Y. Y. (2011). Native experience with a tone language enhances pitch discrimination and the timing of neural responses to pitch change. *Frontiers in psychology*, 2:146
- Giuliano, R. J.,** & Wicha, N. Y. Y. (2010). Why the white bear is still there: Electrophysiological evidence for ironic semantic activation during thought suppression. *Brain research*, 1316, 62-74.

GRANTS, FELLOWSHIPS, & AWARDS

2021-2026	NSERC Discovery Grant + LAUNCH Supplement
2021	Teaching Excellence Award (New Faculty), Faculty of Arts, U. Manitoba
2020-2025	Canada Foundation for Innovation, John R. Evans Leaders Fund
2020-2021	Research Manitoba COVID-19 Research Grant
2019-2021	SSHRC Insight Development Grant
2018-2021	Research Manitoba New Investigator Operating Grant
2019	Psychology Teaching Award, University of Manitoba
2019	University of Manitoba Research Grant Award
2017	Dissertation Research Award, American Psychological Association
2010-2017	Graduate Teaching Fellowship, University of Oregon
2016	1 st place Symposium, Graduate Research Forum, University of Oregon
2013, 2015	Travel Award, Graduate Education Committee, University of Oregon
2013-2014	DEEP Predoctoral Research Fellowship (NIH T31 Award), Child and Family Center, University of Oregon

CONFERENCE ACTIVITY

Talks

- Giuliano, R. J.** (2021). Adapting acute stress studies for internet delivery: Evidence from children and adults. Canadian Stress Research Summit, Toronto, ON.
- Giuliano, R. J.,** Roos, L. E., Karns, C. M., Bell, T., Skowron, E. A., & Pakulak, E. (2019). A multistudy investigation of neural & autonomic contributions to executive function in preschoolers. Society for Research on Child Development, Baltimore, MD.
- Giuliano, R. J.,** Norman-Wells, J., DeGarmo, D., & Skowron, E. A. (2019). Gender differences in growth dynamics of parasympathetic activity during cognitive challenge in young children. Society for Research on Child Development, Baltimore, MD.
- Giuliano, R. J.** (2018). Mapping Associations between Maternal and Child Neural and Autonomic Function in the Context of Early Life Stress. Association for Psychological Science, San Francisco, CA.
- Giuliano, R. J.,** Karns, C. M., Roos, L. E., Bell, T., Petersen, S., Skowron, E. A., Neville, H. J., & Pakulak, E. (2017). Effects of early adversity on neural mechanisms of distractor suppression are mediated by sympathetic nervous system activity in preschool-aged children. Society for Research on Child Development, Austin, TX.
- Giuliano, R. J.,** Karns, C. M., Roos, L. E., Bell, T., Petersen, S., Skowron, E. A., Neville, H. J., & Pakulak, E. (2017). Autonomic contributions to individual differences in selective attention in children and adults. Cognitive Neuroscience Society, San Francisco, CA.
- Giuliano, R. J.** (2016). Stress neurobiology predicts individual differences in working memory in parents at socioeconomic risk. University of Oregon Graduate Research Forum, Eugene, OR.
- Giuliano, R. J.,** Skowron, E. A., & Berkman, E. T. (2015). Growth models of dyadic synchrony & mother-child vagal tone in the context of parenting at-risk. Society for Research on Child Development, Philadelphia, PA.

Giuliano, R. J., Skowron, E. M., & Berkman, E. T. (2014). Growth models of dyadic synchrony & mother- child vagal tone in the context of parenting at-risk. Society for Research on Child Development special meeting on Parenting-at-risk, San Diego, CA.

Posters

Giuliano, R. J., Roos, L. E., Beauchamp, K. G., Berkman, E. T., & Fisher, P. A. (2017). Pre-ejection period moderates the relationship between the error-related negativity and executive function in preschool children. Society for Research on Child Development, Austin, TX.

Wagnon, A. S., **Giuliano, R. J.,** Roos, L. E., Beauchamp, K. G., & Fisher, P. A. (2017). RSA moderates association of EEG alpha asymmetry with neuroendocrine and affective reactivity to acute stress. Society for Research on Child Development, Austin, TX.

Amidon, B. E., Roos, L. E., **Giuliano, R. J.,** Beauchamp, K. G., & Fisher, P. A. (2017). Cognitive and physiological predictors of externalizing behavior problems: Moderation of gender and RSA reactivity. Society for Research on Child Development, Austin, TX.

Shimomada, L., Kim, M. H., **Giuliano, R. J.,** Skowron, E. A. (2017). Maternal cardiac physiology and child executive function. Society for Research on Child Development, Austin, TX.

Mintz, B., Lyons, E., Lapsey, C., Norman-Wells, J. N., **Giuliano, R. J.,** & Skowron, E. A. (2017). Multigenerational associations between quality of early caregiving & biomarkers of stress reactivity in at-risk families. Society for Research on Child Development, Austin, TX.

Medak, O. H., **Giuliano, R. J.,** Roos, L. E., Beauchamp, K. G., Berkman, E. T., & Fisher, P. A. (2017). Markers of early adversity are associated with reduced error-related negativity in early childhood. Cognitive Neuroscience Society, San Francisco, CA.

Giuliano, R. J., Karns, C. M., Pakulak, E., Bell, T., Petersen, S., Skowron, E. A., & Neville, H. J. (2015). Parasympathetic and sympathetic contributions to ERP measures of selective attention in children and adults. Society for Psychophysiological Research, Seattle, WA.

Giuliano, R. J., Reinka, M., & Skowron, E. A. (2015). Cardiovascular physiology and neural mechanisms of executive function in mothers of high cumulative risk. Society for Research on Child Development, Philadelphia, PA.

Giuliano, R. J., Karns, C. M., & Neville, H. J. (2013). Visual working memory capacity predicts auditory selective attention across multiple contexts. Cognitive Neuroscience Society, San Francisco, CA.

Giuliano, R. J., & Neville, H. J. (2011). Novel evidence for a domain-general attentional control mechanism implicated in working memory capacity. Society for Neuroscience, Washington, D.C.

Graham, R., **Giuliano, R. J.,** Kaufman, L., Wicha, N., & Ceballos, N. (2011). Acute stress and ERP correlates of attention to alcohol images in social drinkers. Cognitive Neuroscience Society, San Francisco, CA.

- Giuliano, R. J., & Wicha, N. Y. Y. (2010).** Why the white bear is still there:
Electrophysiological evidence for ironic semantic activation during thought suppression.
Cognitive Neuroscience Society, Montreal, Canada.
- Tran-Ngoc, M., **Giuliano, R. J., & Wicha, N. Y. Y. (2010).** Confusing your mother for a horse?
An ERP investigation of pure tone pitch discrimination in native speakers and second
language learners of a tonal language. Cognitive Neuroscience Society, Montreal,
Canada.
- Giuliano, R. J., Ceballos, N. A., Wicha, N. Y. Y., & Graham, R. (2009).** The effects of acute
stress on attentional capture by alcohol-related cues in social drinkers. Cognitive
Neuroscience Society, San Francisco, California.

ADVISING EXPERIENCE

Graduate Students

Marlee Salisbury, M.A., Clinical Psychology (2019-2021)
Helen Harvie, M.A., Developmental Psychology (2020-*present*)
Irlanda Gomez, M.A., Developmental Psychology (2020-*present*)
Chhavvy Narendra, M.A., Developmental Psychology (2020-*present*)

TEACHING EXPERIENCE

University of Manitoba, Sole Instructor

Child Development (2018-2022)
Neuropsychology of Inequality (2019-2022)
Problems in Psychological Research (2021-2022)

University of Oregon, Sole Instructor

Child Development (2014-2015)
Evolutionary Psychology (2012- 2016)

University of Texas at San Antonio, Sole Instructor

Experimental Psychology (2008-2009)

University of Oregon, Guest Lecturer

Neuroscience of Inequality
Neuropsychology
Foundations of Cognitive Neuroscience
Psychoactive Drugs

RESEARCH EXPERIENCE

2017 –2018	Research Associate – FABB lab; Brain Development Lab
2012 – 2017	Graduate Researcher – FABB lab, Elizabeth Skowron, UO
2010 – 2017	Graduate Researcher – Brain Development Lab, Helen Neville, UO

2008 – 2010

Research Associate - ERP Lab, Nicole Wicha, UT San Antonio

PROFESSIONAL SERVICE

Peer Review

Children

Cognition Brain Behavior

Developmental Psychobiology

Development and Psychopathology

Developmental Science

Frontiers in Psychology

International Journal of Psychophysiology

Journal of Experimental Psychology

Nature Scientific Reports

Proceedings of the National Academy of Science

Psychophysiology

To Profession

Developmental Psychology Area Coordinator, Psychology Dept, University of Manitoba

Board Representative for Psychology, University of Manitoba Faculty Association Board

Grad Admissions & Financial Support Committee, Psychology Dept, University of Manitoba

Elected, Graduate Representative, Psychology Department, University of Oregon (2016)

Graduate Education Committee, University of Oregon (2015)

Graduate Admission Committee, University of Oregon (2013)

To Community

Scientific Outreach Organizer, Hearts & Minds Lab, University of Manitoba (2018-current)

Community Outreach Volunteer, Brain Development Lab, University of Oregon (2010-2017)

Co-organizer, Jog Your Brain 5K Run/Walk, Eugene, Oregon (2012-2013)

Host, Brain Awareness Week Jog Your Brain Trivia, Eugene, Oregon (2013, 2017)

PROFESSIONAL ASSOCIATIONS

Cognitive Neuroscience Society, 2007-present

Society for Psychophysiological Research, 2008-present

Society for Research on Child Development, 2011-present

American Psychological Association, 2016-present

American Psychological Society, 2017-present