

**PUBLICATIONS**

ResearchGate: <https://www.researchgate.net/profile/Brad-Ferguson-3/research>

Google Scholar:

[https://scholar.google.com/citations?user=\\_sSVVe0AAAAJ&hl=en](https://scholar.google.com/citations?user=_sSVVe0AAAAJ&hl=en)

OrcidID: <https://orcid.org/0000-0002-1636-7849>

Imre Z, Prickett C, Sapp L, **Ferguson B**, Nowell K, Mohrland M. Memory performance on the ChAMP in autism spectrum disorder with and without attention-deficit/hyperactivity disorder. *Appl Neuropsychol Child*. 2023 Nov 8:1-11. doi: 10.1080/21622965.2023.2278148. Epub ahead of print. PMID: 37939165.

Black, B., Hunter, S., Cottrell, H., Dar, R., Takahashi, N., **Ferguson, B. J.**, Valter, Y., Porges, E., Datta, A., & Beversdorf, D. Q. (2023). Remotely supervised at-home delivery of taVNS for autism spectrum disorder: feasibility and initial efficacy. *Frontiers in psychiatry, 14*, 1238328. <https://doi.org/10.3389/fpsy.2023.1238328>

Hartnett KB, **Ferguson BJ**, Hecht PM, Schuster LE, Shenker JI, Mehr DR, Fritsche KL, Belury MA, Scharre DW, Horwitz AJ, et al. Potential Neuroprotective Effects of Dietary Omega-3 Fatty Acids on Stress in Alzheimer's Disease. *Biomolecules*. 2023; 13(7):1096. <https://doi.org/10.3390/biom13071096>

Costa AN, **Ferguson BJ**, Hawkins E, Coman A, Schauer J, Ramirez-Celis A, Hecht PM, Bruce D, Tilley M, Talebizadeh Z, et al. The Relationship between Maternal Antibodies to Fetal Brain and Prenatal Stress Exposure in Autism Spectrum Disorder. *Metabolites*. 2023; 13(5):663. <https://doi.org/10.3390/metabo13050663>

Steigerwald, Alisha J. BS; **Ferguson, Bradley J.** PhD; Nuraini, Nanan MS; Barnett, Joseph C. MS; Takahashi, Nicole MS; Zamzow, Rachel PhD; Heilman, Kenneth M. MD; Beversdorf, David Q. MD. Altered Allocation of Vertical Attention in Individuals With Autism Spectrum Disorder. *Cognitive and Behavioral Neurology* 36(3):p 159-165, September 2023. DOI: 10.1097/WNN.0000000000000342

Davenport, M. A., Romero, M. E., Lewis, C. D., Lawson, T., **Ferguson, B.**, Stichter, J., & Kahng, S. An Initial Development and Evaluation of a Culturally Responsive Police Interactions Training for Black Adolescents with Autism Spectrum Disorder. *J Autism Dev Disord* **53**, 1375–1390 (2023). <https://doi.org/10.1007/s10803-021-05181-8>

- Dovgan, K., Gynegrowski, K., & **Ferguson, B.J.** (2022). Bidirectional Relationship Between Internalizing Symptoms and Gastrointestinal Problems in Youth with Autism Spectrum Disorder. *Journal of Autism & Developmental Disorders*, 1-7.
- Brown, A. A., **Ferguson, B. J.**, Jones, V., Green, B. E., Pearre, J. D., Anunoby, I. A., ... & Cirstea, C. M. (2022). Pilot Study of Real-World Monitoring of the Heart Rate Variability in Amyotrophic Lateral Sclerosis. *Frontiers in Artificial Intelligence*, 5.
- Wallace, M.B., Costa, A. N., **Ferguson, B.J.**, Carey, M.A., Rzeppa, C., Kille, B.M., Drysdale, D.R., Sutton, B.E., Shuler, B.H., Johnson, R.P., Kwenda, E.P., & Beversdorf, D.Q. (2022). Pilot study of the effects of paced breathing on measures of convergent and divergent thinking. *Cognitive & Behavioral Neurology*.
- Lace, J. W., Merz, Z. C., Kennedy, E. E., Seitz, D. J., Austin, T. A., **Ferguson, B. J.**, & Mohrland, M. D. (2022). Examination of five-and four-subtest short form IQ estimations for the Wechsler Intelligence Scale for Children-(WISC-V) in a mixed clinical sample. *Applied Neuropsychology: Child*, 11(1), 50-61.
- Beversdorf, D., **Ferguson, B.**, Schmohe, K., Hunter, S., Hirst, K., Lolli, B., ... & Kanne, S. (2021, December). Psychophysiological Markers Predict the Effect of Propranolol on Conversational Reciprocity in Autism Spectrum Disorder. In *NEUROPSYCHOPHARMACOLOGY* (Vol. 46, No. SUPPL 1, pp. 135-136). CAMPUS, 4 CRINAN ST, LONDON, N1 9XW, ENGLAND: SPRINGER NATURE.
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- Nair, N., Hegarty, J. P., **Ferguson, B. J.**, Hooshmand, S. J., Hecht, P. M., Tilley, M., ... & Beversdorf, D. Q. (2020). Effects of stress on functional connectivity during verbal processing. *Brain imaging and behavior*, 14(6), 2708-2723.
- Ferguson, B.J.**, Hamlin, T., Lantz, Johanna, Villavicencio, T., & Beversdorf, D.Q. (2019). Examining the association between electrodermal activity and problem behavior in severe autism spectrum disorder: A feasibility study. *Frontiers in Psychiatry*, 10, 654.
- Hegarty, J.P. II, Zamzow, R.M., **Ferguson, B.J.**, Christ, S.E., Porges, E.C., Johnson, J.D., & Beversdorf, D.Q. (2019). Beta-adrenergic antagonism alters functional connectivity during associative processing in a preliminary study of individuals with and without autism. *Autism: International Journal of Research and Practice*. Advance online publication. doi: 10.1177/1362361319868633
- Ferguson, B.J.**, Dovgan, K., Severns, D., Famuliner, S., Marler, S., Gross Margolis, K., Bauman, M.L., Veenstra-VanderWeele, J., Sohl, K., & Beversdorf, D.Q. (2019). Lack of associations between dietary intake and gastrointestinal symptoms in autism spectrum disorder. *Frontiers in Psychiatry*, 10, 528.
- Ferguson, B.J.**, Dovgan, K., Takahashi, N., & Beversdorf, D.Q. (2019). The Relationship among Gastrointestinal Symptoms, Problem Behaviors, and Internalizing Symptoms in Children and Adolescents with Autism Spectrum Disorder. *Frontiers in Psychiatry*, 10, 194. doi: 10.3389/fpsy.2019.00194
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- Foster, P. S., Hubbard, T., Yung, R. C., **Ferguson, B. J.**, Drago, V., & Harrison, D. W. (2013). Cerebral asymmetry in the control of cardiovascular functioning: Evidence from lateral vibrotactile stimulation. *Laterality*, *18*, 108-19.

Foster, P. S., Yung, R. C., Branch, K., Stringer, K., **Ferguson, B. J.**, Sullivan, W., Drago, V. (2011). Increased spreading activation in depression. *Brain and Cognition*, 77, 265-70.

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## BOOK CHAPTERS

Law, K.M., **Ferguson, B.J.**, Margolis, K.G., & Beversdorf, D.Q. (2020). Gastrointestinal Symptoms, Anxiety, and Autism Spectrum Disorder. London, Jessica Kingsley Publishers.

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## PUBLISHED ABSTRACTS

David Beversdorf, Amy Costa, **Bradley Ferguson**, Emily Hawkins, Adriana Coman, Joseph Schauer, Alex Ramierez-Celis, Patrick Hecht, Danielle Bruce, Michael Tilley, Zohreh Talebizadeh, Judy Van De Water. Relationship Between Maternal Antibodies to Fetal Brain and Prenatal Stress Exposure in Autism Spectrum Disorder (P10-9.002) *Neurology* Apr 2023, 100 (17 Supplement 2) 3595; DOI: 10.1212/WNL.0000000000203383

Nurani, N., Appling, C., Alhachami, N., Apostol, A., Beversdorf, D., **Ferguson, B.**, & Prendergast, M. Resting Heart Rate Variability and Camouflaging As Predictors Of Sensory Function In Autism Spectrum Disorder. International Society for Autism Annual Meeting, 2023.

Beversdorf, D.Q., **Ferguson, B.J.**, Hunter, S., Hirst, K., Lolli, B., & Takahashi, T.N. Preliminary report on open label extension trial of propranolol in autism spectrum disorder. *Neurology*, 94, (15 Supplement): 1614

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Beversdorf D, Nair N, Hegarty J, Hover E, Hooshmand S, **Ferguson B**, Tilley M, Christ S. Stress-induced alterations in functional connectivity during verbal fluency. *American College of Neuropsychopharmacology*, December 6, 2017, Palm Springs, CA.

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Beversdorf, D., Nair, N., Hegarty, J., Lane, K., **Ferguson, B.**, Hecht, P., Tilley, M., Johnson, J., & Christ, S.. Stress-mediated alterations of amygdalar activation and cortical network coherence associated with serotonin transporter polymorphisms. American Academy of Neurology, April 22-28, 2017, Boston, MA.

**Ferguson BJ**, Severns DM, Marler S, Lee EB, Mazurek MO, Bauman ML, Margolis KG, Veenstra-Vander Weele J, Beversdorf DQ. Associations between dietary composition and gastrointestinal symptoms in autism spectrum disorder. International Meeting for Autism Research, May 10-13, 2017, San Francisco, CA.

Beversdorf D, Nair N, Hegarty J, Lane K, **Ferguson B**, Hecht P, Tilley M, Johnson J, Christ S. Stress-mediated alterations of amygdalar activation and cortical network coherence associated with serotonin transporter polymorphisms. *Cognitive Neuroscience Society*, March 25-28, 2017, San Francisco, CA.

**Ferguson B**, Heilman K, Drago V, Foster P, Beversdorf D. Associations between verbal, figural, and behavioral attributes of creativity and sleep disturbance. *Society for the Neuroscience of Creativity*, March 24, 2017, San Francisco.

Beversdorf D, **Ferguson B**, Stichter J, Porges E, Zamzow R. Effects of propranolol on verbal problem solving and conversational reciprocity in

autism spectrum disorder: a double-blind, single-dose psychopharmacological challenge study. *American College of Neuropsychopharmacology, December 3-8, 2016, Hollywood, FL.*

Nair N, Hegarty H, Lane K, **Ferguson B**, Hecht P, Christ S, Tilley M, Kanne S, Beversdorf D. Effects of genetics and stress on amygdalar activation and associated functional connectivity using fMRI. *Society for Neuroscience, November 12-16, 2016, San Diego, CA.*

**Ferguson BJ**, Marler S, Altstein L, Lee E, Mazurek M, McLaughlin A, Hartnett K, Macklin E, McDonnell E, Davis D, Belenchia A, Gillespie C, Peterson C, Bauman M, Margolis K, Veenstra-VanderWeele J, Beversdorf DQ. (2016). Associations between cytokines, endocrine stress response, and gastrointestinal symptoms in autism spectrum disorder. *Society for Neuroscience, November 12-16, 2016, San Diego, CA.*

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**Ferguson B**, Marler S, Lee EB, Akers JE, Mazurek MO, Sohl K, McLaughlin A, Kille B, Hartnett K, Macklin EA, McDonnell E, Altstein L, Veenstra-Vander Weele J, Beversdorf DQ. Psychophysical predictors of gastrointestinal symptomatology in autism spectrum disorder. *International Meeting for Autism Research, May 13-16, 2015, Salt Lake City, UT.*

Hegarty II JP, **Ferguson BJ**, Zamzow, RM, Rohowetz LJ, Johnson JD, Christ SE, Beversdorf DQ. Beta- adrenergic antagonism modulates default mode

network coherence in autism spectrum disorder. *International Meeting for Autism Research, May 13-16, 2015, Salt Lake City, UT.*

Hegarty II JP, **Ferguson BJ**, Zamzow, RM, Rohowetz LJ, Johnson JD, Christ SE, Beversdorf DQ. Beta-adrenergic antagonism modulates default mode network coherence in autism spectrum disorder. *Cognitive Neuroscience Society, March 28-31, 2015, San Francisco, CA.*

**Ferguson BJ**, Hadley J, Snyders W, Beversdorf DQ. Effect of paced breathing on cognitive flexibility during social-evaluative stress. *Society for Neuroscience, November 15-19, 2014, Washington, DC.*

Hegarty II JP, **Ferguson BJ**, Kille B, Christ SE, Beversdorf DQ. Network coherence and autism spectrum disorder: the effects of beta-adrenergic antagonists. *Society for Neuroscience, November 15-19, 2014, Washington, DC.*

**Ferguson, B**, Beversdorf DQ. Increased sympathetic nervous system tone in autism spectrum disorders with comorbid gastrointestinal disorders. *Advancing Neuroscience at MU Conference*

Zamzow RM, **Ferguson BJ**, Lewis ML, Ragsdale AS, Stichter JP, Beversdorf DQ. Effects of a beta-adrenergic antagonist on social and cognitive functioning in autism spectrum disorder. *International Meeting for Autism Research, 2014, Atlanta, GA.*

Beversdorf DQ, Zamzow RM, **Ferguson BJ**, Martin T, Lewis M, Stichter J. Predictors of response to propranolol for social functioning in autism spectrum disorder. *American Academy of Neurology, 2014 (INS poster session: Autism), Philadelphia, PA.*

Beversdorf DQ, Zamzow RM, **Ferguson BJ**, Martin T, Lewis M, Stichter J. Predictors of response to propranolol for social functioning in autism spectrum disorder. *American Academy of Neurology, 2014 (platform presentation), Philadelphia, PA.*

Hegarty JP II, **Ferguson BJ**, Johnson, JD, Christ SE, Beversdorf DQ. Stress-mediated alterations of cortical network coherence associated with serotonin transporter polymorphisms. *Cognitive Neuroscience Society, 2014, Boston, MA.*

**Ferguson BJ**, Zamzow RM, Reznicek EC, Lewis M, Christ S, Stichter J, Beversdorf DQ. Effects of beta-adrenergic antagonism on social interaction in autism spectrum disorders. *Cognitive Neuroscience Society, 2013.*

- Hegarty JP II, **Ferguson BJ**, Zamzow RM, Christ SE, Mazurek MO, Beversdorf DQ. Cortical network flexibility during administration of beta-adrenergic antagonists: an autism spectrum disorder study. *Cognitive Neuroscience Society, 2013*.
- Beversdorf DQ, **Ferguson BJ**, Zamzow RM, Reznicek EC, Lewis M, Christ S, Stichter J. Effects of propranolol on social functioning in ASD. *American Academy of Neurology, 2013 (platform presentation)*.
- Hegarty JP II, **Ferguson BJ**, Zamzow RM, Christ SE, Mazurek MO, Beversdorf DQ. Cortical network flexibility during facial and emotional processing: the effect of  $\beta$ -adrenergic antagonists. *International Meeting for Autism Research, 2013*.
- Ferguson BJ**, Zamzow RM, Reznicek EC, Lewis M, Christ S, Stichter J, Beversdorf DQ. Effects of propranolol on social functioning in autism spectrum disorder. *Combating Autism Act Initiative Meeting, 2013*.
- Beversdorf, D., **Ferguson, B.**, Reznicek, E., Lewis, M., Christ, S., & Stichter, J. (2013). Effects of propranolol on social functioning in autism spectrum disorder. *Neurology*, 80.
- Hecht P, Will M, Schachtman T, **Ferguson B**, Hampton J, Welby L, Deville J, Beversdorf D. Rodent model of the effect of beta-adrenergic agents on creative problem solving. *Cognitive Neuroscience Society, 2012*.
- Ferguson B**, Lee A, Stringer K, Beversdorf D, Foster P. Relationship between creativity performance, self-reported creative attributes, and fine motor control: potential relationship with dopaminergic activity. *Cognitive Neuroscience Society, 2012*.
- Hegarty JP, **Ferguson BJ**, Hopkins NH, Christ SE, Beversdorf, DQ. Stress-mediated alterations of cortical activation during a cognitive flexibility task. *Cognitive Neuroscience Society, 2012*.
- Hegarty JP II, Narayanan A, White C, Abduljalila A, Schmalbrock P, **Ferguson BJ**, McKinley CR, Beversdorf DQ. Functional connectivity in ASD with pharmacological modulation of the beta-adrenergic system. *International Meeting for Autism Research, 2012*.
- Ferguson BJ**, Day JR, Wexler BR, Lavoy RE, Zamzow RM, Foster PS, Beversdorf DQ. Increased sympathetic nervous system tone in autism spectrum disorders with comorbid gastrointestinal symptomatology. *International Meeting for Autism Research, 2012*.

- Ferguson BJ**, Zamzow R, McDermott E, Reznicek E, Beversdorf DQ. Cognitive effects of propranolol and effect of sympathetic nervous system activity in autism spectrum disorders. *Society for Neuroscience*, 2012.
- Hecht P, Will M, Schachtman T, Welby L, **Ferguson B**, Beversdorf DQ. Rodent model of the effect of beta-adrenergic agents on creative problem solving. *Society for Neuroscience*, 2012.
- Hegarty JP II, **Ferguson BJ**, McKinley CR, Huddleston-Smith K, Christ SE, Beversdorf DQ. Beta-adrenergic modulation of functional connectivity during cognitive flexibility and verbal fluency tasks: a pharmacological autism spectrum disorder study. *Society for Neuroscience*, 2012.
- Ferguson B**, Stringer K, Hartman A, Beversdorf D, Foster P. Relationship between creativity performance and fine motor control: potential relationship with dopaminergic activity. *Cognitive Neuroscience Society*, 2011.
- Hegarty JP, **Ferguson B**, Hartman A, Day JR, Jones KL, Christ S, Tilley M, Kanne S, Beversdorf DQ. Effects of stress and genetics on functional connectivity in fMRI. *Cognitive Neuroscience Society*, 2011.
- Ferguson BJ**, Day JR, Wexler BR, Constance JM, Foster PS, Beversdorf DQ. Relationship between gastrointestinal disorders and GSR indicators of stress in autism spectrum disorder. *International Meeting for Autism Research*, 2011.
- Hecht PM, **Ferguson BJ**, Day JR, Wexler BR, Constance JM, Foster PS, Beversdorf DQ. Association between gastrointestinal disorder and cardiovascular responses to stress in autism spectrum disorders. *International Meeting for Autism Research*, 2011.
- Ferguson BJ**, Day JR, Wexler BR, Lavoy RE, Foster PS, Beversdorf DQ. Relationship between psychophysiological indicators of stress and gastrointestinal disorders in autism spectrum disorders. *Society for Neuroscience Abstracts*. 2011.
- Hegarty JP II, **Ferguson B**, Christ S, Tilley M, Kanne S, Beversdorf D. Stress-mediated alterations of functional connectivity during semantic and phonological processing. *Society for Neuroscience Abstracts*. 2011.
- Jones KL, **Ferguson B**, Christ S, Beversdorf DQ. Interaction between genetics & stress on functional connectivity in fMRI. *Society for Neuroscience Abstracts*. 2010.

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- Yung, R.C., Sullivan, W., Stringer, K., **Ferguson, B.J.**, & Drago, V. (2009). Anxiety and line bisection: Evidence for attentional biases in heightened anxiety. *Archives of Clinical Neuropsychology*, 24, 452.
- Yung, R.C., Sullivan, W., Stringer, K., **Ferguson, B.J.**, Drago, V., & Foster, P.S. (2009). The effects of social anxiety on verbal and non-verbal fluency. *Archives of Clinical Neuropsychology*, 24, 453-54.
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- Ferguson, B.J.**, Drago, V., Spruyt, K., Heilman, K.M., & Foster, P.S. (2008). Creativity and sleep disturbance. *Journal of the International Neuropsychological Society*.
- Foster, P.S., Drago, V., Prejmack, S., **Ferguson, B.J.**, Ruff, R.M., Heilman, K.M., & Harrison, D.W. (2008). Spreading activation in non-verbal networks. *Journal of the International Neuropsychological Society*.
- Foster, P.S., Drago, V., **Ferguson, B.J.**, Crucian, G.P., Skidmore, F., & Heilman, K.M. (2008). Depression and lateral onset Parkinson's disease: Differential effects on working memory. *Journal of the International Neuropsychological Society*.

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## POSTER PRESENTATIONS

- Dovgan, K., Hogg, M., Beversdorf, D.Q., & **Ferguson, B.J.** (May, 2022). Effects of propranolol on gastrointestinal problems in children and adults with autism spectrum disorder. Poster accepted to be presented at the annual International Society for Autism Research meeting, Austin, TX.

- Davenport, M.A., Stichter, J.P., **Ferguson, B.J.**, & Khang, S. (August, 2019). When they see us: Training adolescents with autism to interact with law enforcement. Poster presented at the annual American Psychological Association meeting, Chicago, IL.
- Gonzalez, A., **Ferguson, B.J.**, Schaeffer, A., McBride, M., Wang, D., Zand, A., & Beversdorf, D.Q. (July, 2019). The effect of methylphenidate on response latency for individuals with attention deficit hyperactivity disorder performing verbal creativity and problem-solving tasks. Poster presented at the University of Missouri Research and Creative Activities Forum, Columbia, MO.
- Beversdorf, D.Q., Nair, N., Hegarty, J.P. II, **Ferguson, B.J.**, Hecht, P., Tilley, M., Johnson, J., & Christ, S.E. (May, 2019). Exploring functional connectivity correlates of problem solving under stress. Poster presented at the annual meeting of the American Academy of Neurology, Philadelphia, PA.
- Ferguson, B.J.**, Hamlin, T., Lantz, J., Coles, J., & Beversdorf, D.Q. (May, 2019). Psychophysiological Biomarkers of Stress as Predictors of Behavioral Disturbance in Autism Spectrum Disorder. Poster presented at the International Meeting for Autism Research, Montréal, Québec, Canada.
- Ferguson, B.J.**, McBride, M., Wang, D.C., Zand, A.N., & Beversdorf, D.Q. (March, 2019). The Effects of Methylphenidate on Verbal Creativity, Verbal Fluency, and Problem-Solving Abilities in Individuals with Attention Deficit Hyperactivity Disorder. Poster accepted to be presented at the annual Society for the Neuroscience of Creativity Meeting, San Francisco, CA.
- Ferguson, B.**, McBride, M., Wang, D., Zand, A., & Beversdorf, D. (February, 2019). The Effects of Methylphenidate on Verbal Creativity and Problem-Solving Abilities in Individuals with Attention Deficit Hyperactivity Disorder. Poster presented at the annual International Neuropsychological Society meeting, New York, NY.
- Beversdorf, D., Shah, A., Noel-MacDonnell, J., Hecht, P., **Ferguson, B.**, & Talebizadeh, Z. (May, 2018). MicroRNAs and Gene-Environment Interactions in Autism: Maternal Stress and the SERT Gene. Poster presented at the meeting for the International Society for Autism Research, Rotterdam, Netherlands.
- Beversdorf, D., Shah, A., Noel-MacDonnell, J., Hecht, P., **Ferguson, B.**, & Talebizadeh, Z. (April, 2018). MicroRNAs and Gene-Environment Interactions in Autism: Maternal Stress and the SERT Gene. Poster presented at the 2018 American Academy of Neurology Meeting, Los Angeles, CA.

- Famuliner, S., **Ferguson, B.J.**, Dovgan, K., Severns, D., & Beversdorf, D.Q. (April, 2018). Associations between dietary composition and gastrointestinal symptoms in autism spectrum disorder. Poster presented at the 2018 Bond Life Sciences Week at the University of Missouri, Columbia, MO (honorable mention).
- Hooshmand, S., Nair, N., Hegarty, J.P. II, **Ferguson, B.**, Hecht, P., Christ, S., Tilley, M., & Beversdorf, D.Q. (November, 2017). Influence of 5-HTTLPR Genotype and Stress on Verbal Fluency in Healthy Adults: An Imaging Study. Poster presented at the annual University of Missouri Health Sciences Research Day poster session in Columbia, MO.
- Brunnert, C., **Ferguson, B.J.**, & Beversdorf, D.Q. (April 2017). The Relationship between Sensitivity to Environmental Stress and Gastrointestinal, Sensory, and Autism Spectrum Disorder Severity. Poster presented at the Midwest Psychological Association Conference in Chicago, IL.
- Drysdale, D.R., Halt, A.K., Kille, B.M., **Ferguson, B.J.**, Rogers, H.M., Shenker, J., & Beversdorf, D.Q. (July, 2017). Potential confounding role of inflammatory diet on specific cognitive domains in an ongoing clinical trial of elderly patients with mild cognitive impairment. Poster presented at the University of Missouri Undergraduate Research & Creative Achievements Forum in Columbia, MO.
- Ferguson, B.J.**, Severns, D., Marler, S., Lee, E.B., Mazurek, M.O., Bauman, M.L., Margolis, K.G, Veenstra-Vanderweele, J., & Beversdorf, D.Q. (May, 2017). Associations between dietary composition and gastrointestinal symptoms in autism spectrum disorder. Poster presented at the International Meeting for Autism Research in San Francisco, CA.
- Beversdorf, D., Nair, N., Hegarty, J., Lane, K., **Ferguson, B.**, Hecht, P., Tilley, M., Johnson, J., & Christ, S. (March, 2017). Stress-mediated alterations of amygdalar activation and cortical network coherence associated with serotonin transporter polymorphisms. Poster presented at the annual Cognitive Neuroscience Society meeting in San Francisco, CA.
- Ferguson, B.**, Heilman, K., Drago, V., Foster, P., & Beversdorf, D. (March, 2017). Associations between verbal, figural, and behavioral attributes of creativity and sleep disturbance. Poster presented at the 3<sup>rd</sup> annual Society for the Neuroscience of Creativity meeting in San Francisco, CA.
- Ferguson, B.J.**, Marler, S., Altstein, L., Lee, L., Mazurek, M., McLaughlin, A., Hartnett, K., McDonnell, E., Davis, D., Belenchia, A., Gillespie, C., Bauman, M., Margolis, K., Veenstra-VanderWeele, J., & Beversdorf, D. (November, 2016). Associations between cytokines, endocrine stress response, and gastrointestinal symptoms in autism spectrum disorder.

Poster presented at the annual Society for Neuroscience meeting in San Diego, CA.

**Ferguson, B.J.**, Hadley, J., Snyders, W., & Beversdorf, D.Q. (November, 2014). Effects of paced breathing on cognitive flexibility during social-evaluative stress. Poster presented at the annual Society for Neuroscience meeting in Washington, DC.

Hadley, J.B., **Ferguson, B.J.**, Snyders, W.R., Dickerson, S., Martin, T., & Beversdorf, D.Q. (November 2014). Effects of paced breathing on stress reactivity and mental flexibility. Poster presented at the University of Missouri Health Sciences Research Day.

Snyders, W.R., **Ferguson, B.**, Hadley, J., Dickerson, S., & Beversdorf, D.Q. (November, 2014). Effects of paced breathing on cognitive function and blood pressure during stress. Poster presented at the University of Missouri Health Sciences Research Day.

Zamzow, R.M., **Ferguson, B.J.**, Lewis, M.L., Ragsdale, A.S., Stichter, J.P., & Beversdorf, D.Q. (May, 2014). Effects of a beta-adrenergic antagonist on social and cognitive functioning in autism spectrum disorder. Poster presented at the International Meeting for Autism Research, Atlanta, GA.

Beversdorf, D.Q., Zamzow, R., **Ferguson, B.**, Martin, T., Lewis, M., & Stichter, J. (2014). Predictors of response to propranolol for social functioning in autism spectrum disorder. Poster presented at the annual Neurology meeting in Philadelphia, PA.

Mankoo, R.S., Hughes, K., Takahashi, T.N., **Ferguson, B.J.**, & Sohl, K. (2013, May). Verbal ability as a predictor of sleep and gastrointestinal comorbidities in children with autism spectrum disorder. Poster presented at the International Meeting for Autism Research, San Sebastian, Spain.

Hegarty, J.P., **Ferguson, B.J.**, Zamzow, R.M., Christ, S.E., Mazurek, M.O., & Beversdorf, D.Q. (May, 2013). Cortical network flexibility during facial and emotional processing: The effect of beta-adrenergic antagonists. Poster presented at the International Meeting for Autism Research, San Sebastian, Spain.

**Ferguson, B.J.**, Zamzow, R., Reznicek, E., Lewis, M., Christ, S., Stichter, J., & Beversdorf, D.Q. (2013, April). Effects of beta-adrenergic antagonism on social interaction in autism spectrum disorders. Poster presented at the annual Cognitive Neuroscience Society meeting in San Francisco, CA.

Hegarty, J.P., **Ferguson, B.J.**, Zamzow, R.M., Christ, S.E., Mazurek, M.O., & Beversdorf, D.Q. (2013, April). Cortical network flexibility during

administration of beta-adrenergic antagonists: An autism spectrum disorder study. Poster presented at the annual Cognitive Neuroscience Society meeting in San Francisco, CA.

- Lewis, M. L., Zamzow, R.M., **Ferguson, B.J.**, Reznicek, E.C., & Beversdorf, D.Q. (2012, November). Effects of propranolol on visuospatial abilities and implicit memory in autism spectrum disorders. Poster presented for the University of Missouri Health Sciences Research Day.
- Hecht, P.M., Will, M., Schachtman, T., Welby, L, **Ferguson, B.**, & Beversdorf, D. (2012, November). Rodent Model of the Effect of Beta-Adrenergic Agents on Creative Problem Solving. Poster presented for the University of Missouri Health Sciences Research Day.
- Mankoo, R., Takahashi, T.N., **Ferguson, B.J.**, & Sohl, K. (2012). Verbal communication status and autism spectrum disorder comorbidities. Poster presented for the University of Missouri Health Sciences Research Day.
- McLaughlin, A., **Ferguson, B.**, Wexler, B., & Beversdorf, D.Q. (2012, November). Examining the relationship between gastrointestinal disorders and stress reactivity in autism. Poster presented for the University of Missouri Health Sciences Research Day.
- Ferguson, B.J.**, Zamzow, R.M., McDermott, E.C., Reznicek, E.C., & Beversdorf, D.Q. (2012, November). Cognitive effects of propranolol and effect of sympathetic nervous system activity in autism spectrum disorders. Poster presented at the Society for Neuroscience annual meeting, New Orleans, LA.
- Allen, A.B., Zamzow, R.M., **Ferguson, B.J.**, Lewis, M.L., & Beversdorf, D.Q. (2012, August). Effects of propranolol and sympathetic reactivity on spatial and visual abilities in autism spectrum disorder. Poster presented at the Summer Undergraduate Research and Creative Achievements Forum at the University of Missouri, Columbia, MO.
- McDermott, E.C., Zamzow, R.M., **Ferguson, B.J.**, & Beversdorf, D.Q. (April, 2012). Effect of propranolol and sympathetic reactivity on verbal fluency tasks in autism spectrum disorders. Poster presented at the annual Midwestern Psychological Association Conference, Chicago, IL.
- Ferguson, B.J.**, Day, J.R., Wexler, B., Lavoy, R.E., Zamzow, R.M., Foster, P.S., & Beversdorf, D.Q. (May, 2012). Increased sympathetic nervous system tone in autism spectrum disorders with comorbid gastrointestinal symptomatology. Poster presented at the International Meeting for Autism Research, Toronto, Ontario, Canada.

- Ferguson, B.J.**, Lee, A., Stringer, K., Beversdorf, D.Q., & Foster, P.S. (2012, March). Relationship between creativity performance, self-reported creative attributes, and fine motor control: Potential relationship with dopaminergic activity. Poster presented at the Cognitive Neuroscience Society annual meeting, Chicago, IL.
- Ferguson, B.J.**, Day, J.R., Wexler, B.R., Lavoy, R.E., Foster, P.S., & Beversdorf, D.Q. (2011, November). Relationship between psychophysiological indicators of stress and gastrointestinal disorders in autism spectrum disorders. Poster presented at the annual Society for Neuroscience meeting, Washington, D.C.
- Hegarty, J.P., **Ferguson, B.**, Christ, S., Tilley, M., Kanne, S., & Beversdorf, D. (2011, November). Stress-mediated alterations of functional connectivity during semantic and phonological processing. Poster presented at the annual Society for Neuroscience meeting, Washington, D.C.
- LaVoy, R., **Ferguson, B.J.**, Backer, N., Day, J., Wexler, B., & Beversdorf, D.Q. (2011, November). Relationship between gastrointestinal disorders and Galvanic skin response (GSR) indicators of stress in autism. Poster presented at the University of Missouri Health Sciences Research Day, Columbia, MO.
- Ferguson, B.J.**, Day, J.R., Wexler, B.R., Constance, J.M., Foster, P.S., & Beversdorf, D.Q. (2011). Relationship between gastrointestinal disorder and GSR indicators of stress in autism spectrum disorders. Poster presented at the International Society for Autism Research Meeting, San Diego, CA.
- Ferguson, B.**, Marth, D., Bauer, A., Backer, N., Crowley, N., Mehr, D., Tatum, P., & Beversdorf, D.Q. (2011, August). Diet-stress interaction in Alzheimer's Disease. Poster presented at the 21<sup>st</sup> Caring for the Frail and Elderly Conference, Columbia, MO.
- Hecht, P.M., **Ferguson, B.J.**, Day, J.R., Wexler, B.R., Constance, J.M., Foster, P.S., & Beversdorf, D.Q. (2011, May). Association between gastrointestinal disorder and cardiovascular responses to stress in autism spectrum disorders. Poster presented at the International Society for Autism Research Meeting, San Diego, CA.
- Ferguson, B.J.**, Day, J.R., Wexler, B.R., Constance, J.M., Foster, P.S., & Beversdorf, D.Q. (2011, February). Relationship between gastrointestinal disorder and GSR indicators of stress in autism spectrum disorders. Poster presented at the University of Missouri Translational Neuroscience Symposium, Columbia, MO.

- Ferguson, B.J.**, Day, J.R., Wexler, B.R., Constance, J.M., Foster, P.S., & Beversdorf, D.Q. (2010, November). Relationship between gastrointestinal disorder and GSR indicators of stress in autism spectrum disorders. Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.
- Crowley, N., Jones, K., **Ferguson, B.**, Tilley, M., Fritsche, K., Mehr, D., & Beversdorf, D. (2010, April). Diet-stress interaction in the development of Alzheimer's disease. Poster presented at the 82<sup>nd</sup> Annual Meeting of the Midwestern Psychological Society, Chicago, IL.
- Jones, K.L., **Ferguson, B.**, Christ, S., Tilley, M., Kanne, S., & Beversdorf, D.Q. (2010, November). Interaction between genetics and stress on functional connectivity in fMRI. Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.
- Yung R.C., Sullivan, W., Stringer, K., **Ferguson, B.J.**, Drago, V., & Foster, P.S. (2009, November). The effects of heightened anxiety on spreading activation in lexical/semantic networks. Poster presented at the 29<sup>th</sup> annual meeting of the National Academy of Neuropsychology, New Orleans, LA.
- Yung R.C., Sullivan, W., Stringer, K., **Ferguson, B.J.**, Drago, V., & Foster, P.S. (2009, November). The effects of social anxiety on verbal and nonverbal fluency. Poster presented at the 29<sup>th</sup> annual meeting of the National Academy of Neuropsychology, New Orleans, LA.
- Yung R.C., Sullivan, W., Stringer, K., **Ferguson, B.J.**, Drago, V., & Foster, P.S. (2009, November). Anxiety and line bisection: Evidence for attentional biases in heightened anxiety. Poster presented at the 29<sup>th</sup> annual meeting of the National Academy of Neuropsychology, New Orleans, LA.
- Ferguson, B.J.**, Drago, V., Spruyt, K., Heilman, K.M., & Foster, P.S. (2009, February). Creativity and sleep disturbance. Poster presented at the 37<sup>th</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA.
- Foster, P.S., Drago, V., **Ferguson, B.J.**, Crucian, G.P., Skidmore, F., & Heilman, K.M. (2009, February). Depression and lateral onset Parkinson's disease: Differential effects on working memory. Poster presented at the 37<sup>th</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA.
- Foster, P.S., Drago, V., Prejmack, S., **Ferguson, B.J.**, Ruff, R.M., Heilman, K.M., & Harrison, D.W. (2009, February). Spreading activation in

nonverbal memory networks. Poster presented at the 37<sup>th</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA.

Crutchfield, A.L., **Ferguson, B.J.**, & Neumann, C.S. (2005, October). Latent structure of the Revised Social Anhedonia Scale and Magical Ideation Scale: Associations with attention, motor functioning and lateral preferences. Poster session presented at the 20<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Coral Gables, FL.