

REBECCA A. LUNDWALL

DEPARTMENT OF PSYCHOLOGY • 1064 KMBL • PROVO, UTAH 84602

Phone 801-422-5977 • Rebecca_Lundwall@byu.edu

EDUCATION

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|-------|---|------|--------------------------|-------------|
| Ph.D. | Cognitive Neuroscience | 2013 | Rice University | Houston, TX |
| | Thesis: <i>Molecular genetics and the development of reflexive visual attention</i> | | | |
| M. A. | Cognitive Neuroscience | 2011 | Rice University | Houston, TX |
| | Thesis: <i>Is response time variability on an exogenous visual orienting task associated with specific genetic markers?</i> | | | |
| M.Ed. | Counseling and Guidance | 1990 | Brigham Young University | Provo, UT |
| B.S. | Pre-Physical Therapy | 1987 | Brigham Young University | Provo, UT |

POSITIONS HELD

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|------------|---------------------------------|--------------------------|-----------|
| Since 2013 | Neuroscience Faculty | Brigham Young University | Provo, UT |
| Since 2013 | Assistant Professor, Psychology | Brigham Young University | Provo, UT |

PEER REVIEWED JOURNAL ARTICLES

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1. **Beck, J., **Lundwall, R. A.**, Cox, J., Gabrielsen, T., & South, M. (2020). Looking good but feeling bad: “Camouflaging” behaviors and mental health in young adult women with autism symptoms. *Autism*. 24(4), 809-821 <https://doi.org/10.1177/1362361320912147> (Impact factor = 3.90)
 2. ManyBabies Consortium (2020). Quantifying sources of variability in infancy research using the infant-directed speech preference. *Advances in Methods and Practices in Psychological Science*. <https://doi.org/10.1177/2515245919900809> (This is a new Association for Psychological Science journal; these journals have an average impact factor of 10.56)
 3. South, M., **Beck, J. S., Lundwall, R., Christensen, M., Cutrer, E. A., Gabrielsen, T. P., Cox, J. C., & **Lundwall, R. A.** (2019). Unrelenting depression and suicidality in women with autistic traits. *Journal of Autism and Developmental Disorders*, 50. 3606-3619 <http://dx.doi.org/10.1007/s10803-019-04324-2> (Impact factor = 3.34)
 4. **Lundwall, R. A.** (2019). Changing institutional incentives to foster sound scientific practices: One department. *Infant Behavior and Development*, 55, 69-76. <http://dx.doi.org/10.1016/j.infbeh.2019.03.006> (Impact factor = 1.62)

5. **Lundwall, R. A.,** **Hodges, C., & *Kotter, A. D. (2019). Balancing needs in publishing with undergraduate and graduate students at doctoral degree-granting universities. *Frontiers in Psychology*, 10, 295. <http://dx.doi.org/10.3389/fpsyg.2019.00295> (Impact factor = 2.09)
6. **Russell, N. C. C., Luke, S. G., **Lundwall, R. A.,** & South, M. (2019). Not so fast: Autism and anxiety in real-world visual search scenarios. *Journal of Autism and Developmental Disorders*, 49(5), 1795-1806 <http://dx.doi.org/10.1007/s10803-018-03874-1> (Impact factor = 3.34)
7. Gabrielsen, T. P., Anderson, J. S., **Stephenson, K. G., **Beck, J., King, J. B., Kellems, R., **Top, D. N. Jr., **Russell, N. C. C., **Anderberg, E., **Lundwall, R. A.,** Hansen, B., & South, M. (2018). Functional MRI connectivity of children with autism and low verbal and cognitive performance. *Molecular Autism*, 9(1), 67. <http://dx.doi.org/10.1186/s13229-018-0248-y> (Impact factor = 5.87)
8. **Lundwall, R. A.,** *Woodruff, J., & *Tolboe, S. P. (2018). RT slowing to valid cues on a reflexive attention task in children. *Frontiers in Psychology*. 9, 1324. <http://dx.doi.org/10.3389/fpsyg.2018.01324> (Impact factor = 2.32)
9. *Christensen, K. E., & **Lundwall, R. A.** (2018). Errors on a computer task and subclinical symptoms of attention-deficit/hyperactivity disorder (ADHD). *Scandinavian Journal of Psychology*, 59(5), 511-517. <http://dx.doi.org/10.1111/sjop.12462> (Impact factor = 1.06)
10. **Lundwall, R. A.,** & **Hodges, C. (2018). Parent ratings of impulsivity and inhibition predict state testing scores. *Frontiers in Education*, 3, 15. <http://dx.doi.org/10.3389/educ.2018.00015> (Impact factor = [new journal, but similar to *Frontiers in Psychology* = 2.32])
11. **Lundwall, R. A.,** *Sgro, J. F., & *Fanger, J. (2018). Response time scores on a reflexive attention task predict a child's inattention score from a parent report. *PLOS ONE*, 13(1), e0190724. <http://dx.doi.org/10.1371/journal.pone.0190724> (Impact factor = 2.81)
12. **Lundwall, R. A.,** *Sgro, J., & *Wade, T. (2017). *SLC6A3* is associated with relational aggression in children. *Journal of Individual Differences*, 38(4), 220-229. <http://dx.doi.org/10.1027/1614-0001/a000239> (Impact factor = 1.57)
13. **Lundwall, R. A.,** **Stephenson, K. G., Neely-Tass, E. S., Cox, J. C., South, M., Bigler, E. D., **Anderberg, E., Prigge, M. D., Hansen, B. D., Lainhart, J. E., Kellems, R. O., Petrie, J., & Gabrielsen, T. P. (2017). Relationship between brain stem volume and aggression in children diagnosed with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 34, 44-51. <http://dx.doi.org/10.1016/j.rasd.2016.12.001> (Impact factor = 2.21)
14. **Lundwall, R. A.,** Dannemiller, J. L., & Goldsmith, H. H. (2015). Genetic associations with reflexive visual attention in infancy and childhood. *Developmental Science*, 20(3), e12371. <http://dx.doi.org/10.1111/desc.12371> (Impact factor = 3.63)
15. **Lundwall, R. A.,** & *Rasmussen, C. B. G. (2016). *MAOA* influences the trajectory of attentional development. *Frontiers in Human Neuroscience*, 10, 424. <http://dx.doi.org/10.3389/fnhum.2016.00424> (Impact factor = 3.63)

16. **Lundwall, R. A.,** & Dannemiller, J. L. (2015). Genetic contributions to attentional response time slopes across repeated trials. *BMC Neuroscience*, 16(1), 66. <http://dx.doi.org/10.1186/s12868-015-0201-3> (Impact factor = 2.67)
17. **Lundwall, R. A.,** & *Watkins, J. K. (2015). Genetic influence on slope variability in a childhood reflexive attention task. *PLOS ONE*, 10(6), e0130668. <http://dx.doi.org/10.1371/journal.pone.0130668> (Impact factor = 3.23)
18. **Lundwall, R. A.,** Guo, D. C., & Dannemiller, J. L. (2012). Exogenous visual orienting is associated with specific neurotransmitter genetic markers: A population based genetic association study. *PLOS ONE*, 7(2), e30731. <http://dx.doi.org/10.1371/journal.pone.0030731> (Impact factor = 3.23)
19. **Lundwall, R. A.** (2002). Parents' perceptions of the impact of their chronic illness or disability on their functioning as parents and on their relationships with their children. *The Family Journal: Counseling and Therapy for Couples and Families*, 10(3), 300-307. <http://dx.doi.org/10.1177/10680702010003006> (Impact factor = .19)
20. **Lundwall, R. A.** (1996). How psychoeducational support groups can provide multidiscipline services to families of people with mental illness. *Psychiatric Rehabilitation Journal*, 20(2), 64-71. <http://dx.doi.org/10.1037/h0095382> (Impact factor = .75)

PUBLICATIONS IN PREPARATION

1. Cutrer-Párraga, E., Lundwall, R., & **Lundwall R.A.** (in preparation). Suicidality in women with autism symptoms.
2. **Lundwall, R. A.,** *DeMordaunt, T., *Anderson, J., & *Kamhout, S. (in preparation). Brain regions associated with aggression in adolescent and young adult males using the UARP dataset.
3. **Lundwall, R. A.,** *Christensen, K. E., *Farmer, M., & *Broadbent, E. (in preparation). A meta-analysis of genes and reflexive attention.
4. **Lundwall, R. A.,** Williford, T., & Farstead, B. (in preparation). The relationship between reflexive and sustained attention.
5. **Lundwall, R. A.** (in preparation). Is reflexive attention a useful predictor of childhood cognitive outcomes?: A review.
6. **Lundwall, R. A.** (in data collection). Genetic contributions to infant attention.
7. **Lundwall, R. A.,** *Kamhout, S., *Howlett, M., & Chaston, J. (in data collection). Gut microbiota as a predictor of autism risk in infant siblings of children diagnosed with autism.
8. **Lundwall, R. A.,** Birmingham, W., **Hodges, C., Gale, S., & **Lindsey, H. (in data collection). Mild traumatic brain injury, attention, and family relationships. (author order not yet determined)

PRESENTATIONS

1. **Lundwall, R. A.** (2020, October). *Double whammies: Females, autism, depression & suicide*. Critical Issues Conference, Salt Lake City, Utah.
2. **Lundwall, R. A.** (2020, October). *Great Questions in Developmental Psychology*. Honors Program, Brigham Young University, Provo, Utah.
3. **Beck, J., South, M., Gabrielsen, T., Cox, J., & **Lundwall, R.** (2020, September). *Method matters: Measures of social communication ability disagree in women with autistic traits*. Annual Conference of the National Academy of Neuropsychology, Chicago, Illinois.
4. **Beck, J., **Lundwall, R. A.**, Gabrielsen, T., Cox, J., *Dixon, A., *Spencer, M., *Farmer, M., *DeMordaunt, T., *Peacock, L., *Christensen, K., *Kamhout, S., *Ekins, L., & South, M. (2019, May). *Self-report of “camouflaging” behaviors and associations with autistic traits and mental health in women*. Poster presented at the annual meeting of the International Society for Autism Research, Montreal, Canada.
5. **Anderberg, E., South, M., Gabrielsen, T. P., Cox, J. C., & Lundwall, R. A. (2019, May). *“Had a good cry, then went online”: Factors associated with parent reactions to diagnostic disclosure sessions*. Poster presented at the annual meeting of the International Society for Autism Research, Montreal, Canada.
6. **Beck, J. S., **Lundwall, R. A.**, Gabrielsen, T., Cox, J., *Dixon, A., *Spencer, M., *Farmer, M., *DeMordaunt, T., *Peacock, L., *Christensen, K., *Kamhout, S., *Ekins, L., & South, M. (2019, February). *Do executive functioning skills allow autistic women to camouflage autistic traits?* Poster presented at the annual meeting of the International Neuropsychological Society, New York City, NY.
7. **Beck, J., **Lundwall, R. A.**, Gabrielsen, T. P., Cox, J., **Anderberg, E. I., *Kamhout, S., *Dixon, A.M., *Christensen, K., *Peacock, L., *Ekins, L., & South, M. (2018, May). *Unseen, but in plain sight: Looking beyond the camouflage in women challenged by social interactions, regardless of autism diagnosis*. Poster presented at the annual meeting of the International Society for Autism Research, Rotterdam, Netherlands.
8. Gabrielsen, T. P., South, M., **Lundwall, R. A.**, & Cox, J. (2018, January). *Hiding in plain sight: Finding females with autism*. Oral presentation at Best Practices in Autism: Tough Topics and Diagnostic Differentials, BYU Translational Autism Research Workshop, Provo, UT.
9. *Anderson, J. G., *Christensen, K. E., & **Lundwall, R. A.** (2017, October). *Errors on a computer task and subclinical symptoms of attention-deficit hyperactivity disorder (ADHD)*. Paper presented at the Intermountain Society for Neuroscience competition at the Neuroscience Program Snowbird Symposium, Snowbird, UT.

10. *Anderson, J. G., *Christensen, K. E., & **Lundwall, R. A.** (2017, October). *Errors on a computer task and subclinical symptoms of attention-deficit hyperactivity disorder (ADHD)*. Poster presented at the Cognitive Development Society Meeting, Portland, OR.
11. #Frank, M. C., #**Lundwall, R. A.**, #Bergelson, E., Eversole, C., Hamlin, K., Cusack, R., & Wood, J. (2017, October). *Collaborative replication in developmental psychology*. Preconference Workshop at the Cognitive Development Society Meeting, Portland, OR. # denotes organizers
12. **Lundwall, R. A.**, *Nuttall, R., *Kotter, A., *Bayles, T., *Christensen, K., & *Iverson, J. (2017, April). *Infant siblings of children diagnosed with autism spectrum disorder have higher perseveration*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
13. *Anderson, J., *Thomas, T., *Kotter, A. D., **Hodges, C., & **Lundwall, R. A.** (2017, April). *Academic success associated with computer task performance*. Poster presented at the Rocky Mountain Psychological Association, Salt Lake City, UT.
14. *Christensen, K. E., *Kamhout, S., *Perkins, K., *Kim, Y., **Hodges, C., & **Lundwall, R. A.** (2017, April). *Response time scores on a reflexive attention task predict a child's inattention score from a parent report*. Poster presented at the Rocky Mountain Psychological Association, Salt Lake City, UT.
15. *Christensen, K., *Nuttall, R., *Koci, A., *Wade, T., *Kotter, A. G., & **Lundwall, R. A.** (2016, November). *The influence of MAOA across the trajectory development of reflexive attention*. Poster presented at the Annual Psychonomic Society Meeting, Boston, MA.
16. *Kamhout, S., *Clason, S., *Bayles, T., & **Lundwall, R. A.** (2016, October). *Genetic associations with infant attention*. Poster presented at the Intermountain Society for Neuroscience competition at the Neuroscience Program Snowbird Symposium, Snowbird, UT. (undergraduate competition winner)
17. South, M., Gabrielsen, T., Hansen, B., Kellems, R., **Anderberg, E., **Stephenson, K. G., *Peacock, L., Ward, A., Kipp, C. J., Prigge, M. D., **Lundwall, R. A.**, Zielinski, B., Fletcher, P. T., & Anderson, J. S. (2016, May) *Functional connectivity scanning in minimally-verbal children with ASD*. Paper presented at the International Meeting for Autism Research, International Society for Autism Research, Baltimore, MD.
18. *Kaseda, E., *White, T., *Sgro, J., *Mitchell, M., *Wade, T., & **Lundwall, R. A.** (2015, October). *Reduced acetylcholine availability via SLC5A7 is associated with increased relational aggression in children*. Poster presented at the Intermountain Society for Neuroscience competition at the Neuroscience Program Snowbird Symposium, Snowbird, UT.
19. Tass, S. N., **Stephenson, K., Prigge, M. D., South, M., **Maisel, M. E., Kellems, R., Hansen, B. D., **Lundwall, R. A.**, Bigler E., & Gabrielsen, T. P. (2015, May). *Brain volumes associated with high levels of aggression in ASD*. Poster presented at the International Meeting for Autism Research, Salt Lake City, UT.

20. **Lundwall, R. A.**, van Hulle, C., Schmidt, N., Dannemiller, J., & Goldsmith, H. H. (2015, March). *MAOA, HTR4, SLC5A7 and aggression*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
21. **Lundwall, R. A.**, & Dannemiller, J. L. (2013, June). *Visual attention: Longitudinal associations in infancy and childhood*. Oral presentation at the annual meeting of the Child Vision Research Society, Waterloo, Ontario, Canada.
22. **Lundwall, R. A.**, & Dannemiller, J. L. (2010, May). *Bilateral visual orienting with adults using a modified Posner paradigm and a candidate gene study*. Poster presented at the annual meeting of the Vision Sciences Society, St. Petersburg, FL.

SUPERVISED STUDENT POSTERS AND PUBLICATIONS

1. Lewis, M. Bergmann, C. Zettersten, Soderstrom, M. M., Tsui, ASM, Mayor, J. **Lundwall, R. A.**, Kosie, J. E., Kartushina, N., Fusaroli, R., Frank, M. C., Byers-Heinlein, K., Black, A. & Mathur, M. B. (2021, January). *Why do large-scale replications and meta-analyses diverge? A case study of infant-directed speech preference*. Berkeley Initiative for Transparency in the Social Sciences, Berkley, California.
2. L. Anderson, H. Hwang, S. Kamhout, S. Gilliat, **R. A. Lundwall**, A. Black, N. Kartushina, J. Kosie, A. Tsui, M. Zettersten, C. Bergmann, & the ManyBabies Consortium (2021, April). *A Fresh Look at Infant-directed Speech Preference through an Updated Meta-analysis*. Biennial Meeting of the Society for Research in Child Development, Chicago, Illinois.
3. *Feigel, T., *Webb, G., *McBride, M., *Cusworth, Z., *Hayward, T., **Beck, J., Lundwall, R. A. (2020, May). *Verbal IQ predicts social competence better than Full Scale IQ in a sample of adult women with autistic traits*. Association for Psychological Science, Chicago, Illinois.
4. *McBride, M. (March 2020). Successes and differences of treating chronic osteomyelitis within the United States vs developing countries. Utah Global Surgery Symposium at Salt Lake City, Utah.
5. *Farstead, B., *Williford, T., *Schow, H., *Muldowney, J., & *Stewart, V. (2020, March). *Reflexive and sustained attention: Identifying individual variability in children*. Annual Conference: Utah Academy of Science Arts and Letters, Salt Lake City, Utah.
6. *Chelladurai, C. E. (2020). *Parent perspectives on accessing resources for children with developmental delays and their younger siblings*. (Unpublished Honors thesis). Brigham Young University, Provo, UT.
7. **Kruger, R. (2019). *Oxytocin Receptor Genotype and Serotonin Transporter Genotype as Mediators of Social Behavior: A Rhesus Macaque Model*. (Unpublished Honors thesis). Brigham Young University, Provo, UT.

8. *Salazar, G. (2019, June). *Social outcomes in TBI are dependent on specific brain volumes*. Poster and oral presentation at the Journal of Clinical Child and Adolescent Psychology Future Directions Forum, Washington DC.
9. *Nuttall, R., *Chelladurai, C. A., *Lemmon, B., **Beck, J., *DeMordaunt, T., *Ekins, L., South, M., & **Lundwall, R. A.** (2019, April). *Executive functioning skills and camouflaging in women with autism*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
10. *Lee, J., *Kotter, A. D., *Christensen, K., *Nuttall, R., & **Lundwall, R. A.** (2019, April). *Infant siblings of children diagnosed with autism spectrum disorder have higher perseverance*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
11. *Poole, J., *Wright, E., *Salazar, G., & **Lundwall, R. A.** (2019, April). *Children with TBI: Social outcomes dependent on specific brain volumes*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
12. *Lee, J., *Kotter, A. D., *Christensen, K., *Nuttall, R., & **Lundwall, R. A.** (2019, February). *Infant siblings of children diagnosed with autism spectrum disorder have higher perseverance*. Poster presented at the Utah Conference on Undergraduate Research, Ogden, UT.
13. *Poole, J., *Wright, E., *Salazar, G., & **Lundwall, R. A.** (2019, February). *Children with TBI: Social outcomes dependent on specific brain volumes*. Poster presented at the Utah Conference on Undergraduate Research, Ogden, UT.
14. *Poole, J., *Wright, E., *Salazar, G., & **Lundwall, R. A.** (2018, October). *Children with TBI: Social outcomes dependent on specific brain volumes*. Poster presented at the Utah Society for Neuroscience poster competition, Snowbird, UT.
15. *Howlett, M., *Skordas, D., *Eddington, H., Chaston, J., & **Lundwall, R. A.** (2018, October). *Microbiota composition trends among high risk ASD individuals*. Poster presented at the Utah Society for Neuroscience poster competition, Snowbird, UT.
16. *Thomas, T. (2017). *Eye-movement latency in infants shows a trend toward correlation with maternal consumption of omega-3 fatty acids*. (Unpublished Honors thesis). Brigham Young University, Provo, UT.
17. *Garner, A., *Christensen, K., *Chatterley, G., & *Nuttall, R. (2016, April). *MAOA influences the trajectory of attentional development*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
18. *Mitchell, M., *Wade, T., & *Shawkey, E. (2016, April). *Reduced acetylcholine availability via SLC5A7 is associated with increased relational aggression in children*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
19. *Wade, T., *Mitchell, M., & *Sgro, J. (2016). *SLC5A7 as a predictor of relational aggression in children*. *Chiasm*, 8, 4-10.
20. *Shepherd, E. (submitted). *Daytime sleepiness is associated with depression but not anxiety in children*. *Intuition*.
21. *Brown, G. R. (2014, April). *Narrowing the StepGap: Correlating stepparent behaviors to positive outcomes*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.

22. *Sessions, K. (2014, April). *Exercise and depression in a religious population*. Paper presented at the Mary Lou Fulton Conference, Provo, UT.
23. *Woodruff, J., & *White, T. (2015). *Self-reported reasons for motivation to exercise and association with mental health*. Oral presentation at the Utah Conference for Undergraduate Research (UCUR), St. George, UT.

* = undergraduate student ** = graduate student

RESEARCH AWARD

2019 Society for Improvement of Psychological Science Mission Award for improving psychological science in the face of challenge as contributor to the ManyBabies Collaboration

FUNDING

Role: PI *Amount:* \$40,000 *Funding Period:* 2020-2022

Funding Source: BYU Interdisciplinary Research (IDR) Grant

Project Title: Screening for Autism Spectrum Disorders (ASD) in Infants Using Gut Microbiota Testing

Role: PI *Amount:* \$217,250 *Funding Period:* unfunded

Funding Source: Gerber Grant

Project Title: Screening for Autism Spectrum Disorders (ASD) in Infants Using Gut Microbiota Testing

Role: PI *Amount:* \$10,000 *Funding Period:* 2016-2018

Funding Source: Research Initiation Grant Application – BYU MRI Facility

Project Title: Children and Young Adults with Brain Injury

Role: PI *Amount:* (In Preparation) *Funding Period:* TBD

Funding Source: National Institute of Child Health and Human Development (R15)

Project Title: A Microbiota Screening Method for Autism in Infants to Facilitate Earlier Intervention

Role: Co-I (PIs: Gabrielsen & South) *Amount:* \$120,000 *Funding Period:* 2019-2021

Funding Source: Inter-disciplinary Research (IDR) Origination Award

Project Title: From Big Data to Big Impact: Improving Risk Prediction for Suicidal Thoughts and Behaviors in College-Age Young Adults

Role: Co-I (PI: M. South) *Amount:* \$120,000 *Funding Period:* unfunded

Funding Source: Inter-disciplinary Research (IDR) Origination Award

Project Title: The Other Side of Autism: Interdisciplinary Exploration of Autism Symptoms and Severe Distress in Women

Role: PI *Amount:* \$2,000 *Funding Period:* 2017-2018

Funding Source: Association for Psychological Science

Project Title: Recruitment Expenses for a Collaborative Approach to Infant Research: Promoting Reproducibility, Best Practices, and Theory-Building

Role: PI *Amount:* \$40,000 *Funding Period:* 2017-2018

Funding Source: College of Family, Home and Social Science

Project Title: Psychology Internship Program

Role: Consultant *Amount:* \$100,000 *Funding Period:* unfunded

Funding Source: Simons Foundation Autism Research Initiative

Project Title: Functional Connectivity in Children with ASD and Low Verbal Skills

Role: PI *Amount:* \$10,000 *Funding Period:* 2016-2018

Funding Source: Research Initiation Grant Application – BYU MRI Facility

Project Title: Children With and Without Mild Traumatic Brain Injury: Child Cognition Task Performance and Family Support

Role: PI *Amount:* \$19,938 *Funding Period:* 2017-2019

Funding Source: Mentoring Environment Grant

Project Title: Unseen, But in Plain Sight: Identifying Developmental Patterns of Females with Symptoms of Autism Spectrum Disorder

Role: PI *Amount:* \$1,000 *Funding Period:* 2016
Funding Source: Burnham Endowment
Project Title: Funding to mentor two students for involvement in autism-related research

Role: PI *Amount:* \$2,000 *Funding Period:* 2017-2019
Funding Source: Organization for Autism Research
Project Title: Square Pegs in Round Holes: Investigating How Diagnostic Practices Fail to Identify Females with ASD (on behalf of Jonathan Beck, Co-PI)

Role: PI *Amount:* \$2,000 *Funding Period:* 2017-2018
Funding Source: College of Family, Home, and Social Sciences
Project Title: *Cognitive Development Society* pre-conference workshop on replicability

Role: PI *Amount:* \$2,000 *Funding Period:* 2017-2018
Funding Source: Garner Family Foundation
Project Title: Student Involvement in Attention Research

Role: PI *Amount:* \$22,500 *Funding Period:* 2017-2018
Funding Source: Marjorie Pay Hinckley Research Award
Project Title: Children With and Without Mild Traumatic Brain Injury: Child Cognition Task Performance and Family Support

Role: PI *Amount:* \$2,000 *Funding Period:* 2016-2017
Funding Source: Staples Mentorship Award
Project Title: Funding to mentor two students for involvement in genetic studies

Role: PI *Amount:* \$18,763 *Funding Period:* 2015-2016
Funding Source: Mentoring Environment Grant
Project Title: Assessing Genetic and Environmental Predictors of Infant Reflexive Attention

Role: PI *Amount:* \$100,000 *Funding Period:* unfunded
Funding Source: Gerber Grant

Project Title: Assessing Genetic and Environmental Predictors of Infant Reflexive Attention

Role: PI *Amount:* \$1,000 *Funding Period:* 2014

Funding Source: McCartney Award

Project Title: Student Involvement in Research and Publications

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Role: PI *Amount:* \$1,500 *Funding Period:* 2014

Funding Source: College of Family, Home, and Social Sciences

Project Title: Lab equipment

Role: PI *Amount:* \$225 *Funding Period:* 2014

Funding Source: Faculty Center Grant

Project Title: Teaching materials

TEACHING EXPERIENCE

Life Span Development (PSYCH 220) Three times

Writing Within Psychology (PSYCH 307) Seven times

Research Design and Analysis (PSYCH 310) Nine times

Child Development (PSYCH 320) Four times

Cognition (PSYCH 375) Seven times

Senior Practicum: Research (PSYCH 430R) Five times

Cognitive Processes (PSYCH 575) Twice

Professional and Ethical Issues in Psychology (PSYCH 609 nonclinical section) Once

Advanced Topics in Developmental Psychology (PSYCH 720R) Once

MENTORING:

2020 Helped six research assistants participate in conferences (although these occurred remotely). Developed remote research experiences for students when the pandemic disrupted usual research activities. Wrote 28 letters of recommendation.

2019 Helped 12 research assistants participate in conferences. Wrote three manuscripts with seven students. Wrote 20 letters of recommendation.

- 2018 Took seven research assistants to conferences. Published five papers that included student authors and began writing three more with student authors. Wrote 27 letters of recommendation.
- 2017 Of 24 total undergraduate research assistants this year, 13 wrote five papers with me. I took 4 students to conferences. My graduate student wrote and submitted one paper with me, and we began preparing a second paper. Wrote 22 letters of recommendation. Helped an undergraduate complete her Honors Thesis.
- 2016 Eight of my research assistants attended local and national conferences to present research findings. I began mentoring a graduate student. Wrote 10 letters of recommendation.
- 2015 Wrote papers with four research assistants. Helped students prepare for two undergraduate conferences. Helped a student submit an article to *Intuition*. Wrote 9 letters of recommendation.
- 2014 Mentored seven students who wrote papers with me. Helped one student apply for APA funding. Helped 2 students prepare for the Mary Lou Fulton Conference. Took 2 students to the Rocky Mountain Psychological Association Meeting. Wrote 4 letters of recommendation.
- 2013 Trained two students on the use of EPrime stimulus presentation software.

SERVICE TO PROFESSION

- 2021 Reviewed a manuscript for *International Journal of Developmental Neuroscience* entitled, "Physiological, Psychosocial, and Environmental factors in Depression among Autistic Girls"
- 2020 Reviewed a manuscript for *Adolescent Research Review* entitled, "Developmental Perspectives on Adolescent Religious and Spiritual Development"
- 2019 Reviewed a manuscript for *Frontiers in Psychology* entitled, "Which academic goals do university students pursue when working in teams? Questionnaire on Academic Goals in Teamwork, 3x2 model"
- 2019 Reviewed a manuscript for *Nature Scientific Report* entitled, "Associations of attention distractibility and variability with attention deficit questionnaire results and with variation in the *KTN1* gene"
- 2019 Reviewed a manuscript for *Molecular Autism* entitled, "Intact neural representations of affective meaning of touch but lack of embodied resonance in autism: a multi-voxel pattern analysis study"
- 2018 Reviewed a manuscript for *Frontiers in Psychology* entitled, "Undergraduate research teams that build bridges, produce publishable research, and strengthen grant proposals"
- 2018 Reviewed a manuscript for *Child Developmental Perspectives* entitled, "On the role of detail perception in face processing: Autism and typical development"

- 2017 Reviewed a manuscript for *Behavioural Brain Research* entitled, “Putting attention in the spotlight: The influence of APOE genotype on visual search in mid adulthood”
- 2017 Helped organize a pre-conference workshop on Collaborative Replication in Developmental Psychology at the *Cognitive Development Society*
- 2017 Began serving on the *Utah Higher Education & Autism Advisory Board for the Utah Neurodiversity Workforce Program* (Founder, Cheryl Wright, University of Utah)
- 2016 Reviewed a manuscript for *The Journal of Experimental Child Psychology* entitled, “Equivalent auditory distraction for children, young adults, and old adults”
- 2016 Reviewed a manuscript for *Infancy* entitled, “Regulation of attention in infancy: Temperament and home environment factor”
- 2016 Reviewed a manuscript for *Child Development Perspectives* entitled, “Detailed development on attention to local versus global aspects of stimuli in children with autism”
- 2016 Reviewed a manuscript for *Autism: International Journal of Research and Practice* entitled, “Hooked on a feeling: Repetitive cognition and internalizing symptomatology in relation to autism spectrum symptomatology”
- 2016 Negotiated a new agreement with *Utah Department of Health* for BYU to recruit from infant birth records
- 2015 Reviewed a manuscript for *Social Psychiatry and Psychiatric Epidemiology* entitled, “Met72 allele of preproghrelin Leu72Met polymorphism was associated with rehabilitation of depression in male Chinese Han adolescents after Wenchuan earthquake”
- 2015 Participated in the planning meeting “Advancing Global Developmental Science Through a Consortium of Scientific Societies” held at the Conference for the *Society for Research in Child Development*

DEPARTMENT AND UNIVERSITY SERVICE

- 2020 Hosted Psychology Department faculty applicant (Developmental area)
- 2020 Member, Graduate Studies Dean Selection Committee
- 2020 Graduate Student Funding Committee (Tower)
- 2018-2019 Member, Social Committee
- 2018-2019 Chair of Graduate Psychology Admissions Committee
- 2018-2019 Member, Neuroscience Scholarship Committee
- 2017-2019 Chair, Alumni Relations/Development

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| 2017 | Arranged for Neuroscience Center Speaker (Dr. Stephen Glatt, State University New York) |
| 2016-2018 | Chair, Psychology Department Diversity Committee: developed and implemented an approach to eventually have more ethnically diverse faculty at BYU |
| 2016-2019 | Member, Marjorie Pay Hinckley Committee (College level) to help make budget decisions, review grant applications, and invite speakers who support research on children, women, and families |
| 2016+ | Co-lead Female Psychology Faculty Group (with Wendy Birmingham) |
| 2015+ | Serve on the Unit Review Committee re: Programs. This committee responds to self-study questions regarding the four programs of the Psychology Department: BS for majors, the BGS (Bachelor of General Studies) emphasis in psychology, the Psychology PhD program, and the Clinical Psychology PhD program |
| 2015 | Arranged for Neuroscience Center Speaker (Dr. Anthony LaMantia, George Washington University) |
| 2014-2019 | Hosted undergraduate students at a Faculty Mentoring Lunch |
| 2014+ | Review poster submissions for the Mary Lou Fulton Conference (annually) |
| 2014+ | Arrange for Neuroscience Center Speaker (Dr. Tatiana Schnur, Rice University) |
| 2014+ | During Winter semester, taught one week of a Neuroscience Graduate Student Seminar |
| 2013-2018 | Member of Graduate Student Admissions committee |
| 2013 | Reviewed student submissions to FHSS for BYU's Office of Research and Creative Activities (ORCA) grants |

HONORS STUDENTS SUPERVISED

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| 2020 | Sarah Kamhout, Chair |
| 2020 | Claire Andrus Chelladurai, Chair |
| 2017 | Tia Thomas, Chair |

GRADUATE STUDENTS SUPERVISED

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| 2020 | Madeline Gillies, Second Year Project, Chair |
| 2020 | Marcia Ventura, Doctoral Dissertation, Chair |
| 2019 | Jacob Hunter, Master's Thesis, Member |
| 2020 | Madeline Peterson, Second Year Project, Member |

2020 Greer Willems, Master's Thesis, Member
2020 Christine Yaccarino, Master's Thesis, Member
2019 So Yeon Park. Doctoral Dissertation, Member
2018 Emily Anderberg, Doctoral Dissertation, Member
2019 Nathan McKay Muncy, Doctoral Dissertation, Member
2019 Cooper Hodges, Doctoral Dissertation, Member
2019 Benjamin Douglas Eschler, Doctoral Dissertation, Member
2019 Jonathan Beck, Doctoral Dissertation, Member
2019 Elizabeth Passey Wood, Doctoral Dissertation, Member
2019 David Nicholas Top, Doctoral Dissertation, Member
2018 Michelle Duersch, Master's Thesis, Member
2018 Chris Hawk, Doctoral Dissertation, Member
2018 Kevin Stephenson, Doctoral Dissertation, Member
2017 Cooper Hodges, Second Year Project, Chair
2015 Nicholas Russell, Master's Thesis, Member

MEDIA COVERAGE

2021 *Award-winning BYU research makes strides in improving autism diagnoses* BYU News
2020 *BYU Study Researching Potential Link Between Gut Bacteria and Autism In Children* KSL TV
2020 *BYU Study Researching Potential Link Between Gut Bacteria and Autism In Children* KCTV (Kansas)
2020 *Researchers Need Dirty Diapers for Developing a New Autism Test* KSL radio
2020 *Their-Voice-BYU-Autism-Study-Looking-for-Volunteers* Daily Herald (Newspaper)
2020 *Women "camouflaging" autistic traits suffer severe mental health challenges, BYU study finds* BYU News
2020 *Women Who "Camouflage" Autistic Traits Are Likely to Be Misdiagnosed, Leading to Serious Mental Health Concerns* Top of Mind, BYU Radio
2019 *ADHD* Top of Mind, BYU Radio
2019 *Autism Studies* Constant Wonder, BYU Radio
2017 *New BYU study links brainstem volume and aggression in autism* ABC4 News

2017 *BYU's Autism Connect team finds aggression linked with autism* The Daily Universe

2017 *Utah Senate passes bill to raise age of helmet wearers* The Daily Universe

2017 *New study links brain stem volume and aggression in autism* BYU News

2017 *Answers about autism* Top of Mind, BYU Radio

2017 *Women 'camouflaging' autistic traits suffer severe mental health challenges, BYU study finds* BYU News

NATIONAL PROFESSIONAL MEMBERSHIPS

2017+ Cognitive Development Society

2016+ Psychonomic Society

2008+ Society for Research in Child Development

2013+ Society for the Teaching of Psychology

2010-2013 Cognitive Neuroscience Society

2009-2013 Association for Psychological Science

2001-2013 American Psychological Association

2009-2011 Vision Sciences Society