

Jared A Nielsen PhD

Brigham Young University
1070 KMBL
Provo, UT 84602
Phone: (801) 422-5294
Email: jarednielsen [at] byu [dot] edu
Website: brain.byu.edu

ACADEMIC APPOINTMENT

2018 – current **Assistant Professor, Department of Psychology and Neuroscience Center**
Brigham Young University, Provo, UT

EDUCATION & TRAINING

2014 – 2018 **Postdoctoral Fellow, Departments of Psychiatry and Psychology**
Harvard University, Cambridge, MA
Massachusetts General Hospital, Boston, MA (Advisor: Dr. Randy Buckner)

2013 – 2014 **Postdoctoral Fellow, Department of Radiology**
University of Utah, Salt Lake City, UT (Advisor: Dr. Jeffrey Anderson)

2013 **PhD, Neuroscience (also completed Higher Education Teaching Specialist program)**
University of Utah, Salt Lake City, UT (Advisors: Drs. Janet Lainhart, Jeffrey Anderson)

2009 **BS, Cum Laude, Neuroscience (Psychology minor)**
Brigham Young University, Provo, UT

RESEARCH THEMES

Neurobiology of psychiatric and neurodevelopmental conditions
Neurobiology of religious and spiritual experiences
Characterizing in-depth behavioral and neural changes at the individual level

PUBLICATIONS

[Google Scholar profile](#) # Trainee co-author * equal contribution by first authors or senior authors, respectively

29. Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., ... , **Nielsen, J.A.**, ..., Satterthwaite, T.D., Rokem, A. (2022). An analysis-ready and quality controlled resource for pediatric brain white-matter research. *Scientific Data* 9, 616.
28. Ferguson, M.A., Schaper, F.L.W.V.J., Cohen, A., Siddiqi, S., Merrill, S.M., **Nielsen, J.A.**, Grafman, J., Urgesi, C., Fabbro, F., & Fox, M.D. (2022). A neural circuit for spirituality and religiosity derived from patients with brain lesions. *Biological Psychiatry*, 91(4), 380-388.
27. Zugman, A., Harrewijn, A., Cardinale, E.M., Zwiebel, H., Freitag, G.F., ... **Nielsen, J.A.**, ... Winkler, A.M. (2022). Mega-analysis methods in ENIGMA: The experience of the generalized anxiety disorder working group. *Hum Brain Mapp*, 43(1), 255-277.
26. Harrewijn, A., Cardinale, E.M., Groenewold, N.A., Bas-Hoogendam, J.M., Aghajani, M., ... **Nielsen, J.A.**, ... Winkler, A.M., & Pine, D.S. (2021). Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. *Transl Psychiatry*, 11(502), 1-15.

25. Peterson, M.[#], Prigge, M.D., Zielinski, B.A., Bigler, E.D., King, J.B., Lange, N., Alexander, A.L., Lainhart, J.E., & **Nielsen, J.A.** (2021). Evidence for normal extra-axial cerebrospinal fluid volume in autistic males from middle childhood to adulthood. *NeuroImage*, 240, 118387.
24. Siless, V., Davidow, J.Y., **Nielsen, J.A.**, Fan, Q., Hedden, T., Hollinshead, M., Beam, E., Vidal Bustamante, C.M., Garrad, M.C., Santillana, R., Smith, E.E., Hamadeh, A., Snyder, J., Drews, M.K., Van Dijk, K.R.R., Sheridan, M., Somerville, L.H., Yendiki, A. (2020). Registration-free analysis of diffusion MRI tractography data across subjects through the human lifespan. *NeuroImage*, 214, 116703.
23. Martin-Brevet, S.^{*}, Rodriguez-Herreros, B.^{*}, **Nielsen, J.A.^{*}**, Moreau, C., Modenato, C., Maillard, A. Pain, A., Richetin, S., Jønch, A.E., Qureshi, A.Y., Zurcher, N.R., 16p11.2 European Consortium, Simons Variation in Individuals Project Consortium, Chung, W.K., Sherr, E.H., Spiro, J.E., Beckmann, J.S., Hadjikhani, N., Raymond, A., Buckner, R.L., Draganski, B., Jacquemont, S. (2018). Quantifying the effects of 16p11.2 CNVs on brain structure: a multi-site 'genetic-first' MRI study. *Biol Psychiatry*, 84(4), 253-264.
22. Ferguson, M.A., **Nielsen, J.A.**, King, J.B., Dai, L., Giangrasso, D.M., Holman, R., Korenberg, J.R., & Anderson, J.S. (2018). Reward, salience, and attentional networks are activated by religious experience in devout Mormons. *Soc Neurosci*, 13(1), 104-116.
21. Travers, B.G., Tromp do, P.M., Adluru, N., Lange, N., Destiche, D., Ennis, C., **Nielsen, J.A.**, Froehlich, A.L., Prigge, M.B., Fletcher, P.T., Anderson, J.S., Zielinski, B.A., Bigler, E.D., Lainhart, J.E., & Alexander, A.L. (2015). Atypical development of white matter microstructure of the corpus callosum in males with autism: a longitudinal investigation. *Mol Autism*, 6, 15.
20. Anderson, J.S., Treiman, S.M., Ferguson, M.A., **Nielsen, J.A.**, Edgin, J.O., Dai, L., Gerig, G., & Korenberg, J.R. (2015). Violence: heightened brain attentional network response is selectively muted in Down syndrome. *J Neurodev Disord*, 7(1), 15.
19. Lange, N., Travers, B.G., Bigler, E.D., Prigge, M.B., Froehlich, A.L., **Nielsen, J.A.**, Cariello, A.N., Zielinski, B.A., Anderson, J.S., Fletcher, P.T., Alexander, A.A., & Lainhart, J.E. (2015). Longitudinal volumetric brain changes in autism spectrum disorder ages 6-35 years. *Autism Res*, 8(1), 82-93.
18. **Nielsen, J.A.**, Zielinski, B.A., Fletcher, P.T., Alexander, A.L., Lange, N., Bigler, E.D., Lainhart, J.E., & Anderson, J.S. (2014). Abnormal lateralization of functional connectivity between language and default mode regions in autism. *Mol Autism*, 5(1), 8.
17. Zielinski, B.A., Prigge, M.B., **Nielsen, J.A.**, Froehlich, A.L., Abildskov, T.J., Anderson, J.S., Fletcher, P.T., Zygmunt, K.M., Travers, B.G., Lange, N., Alexander, A.L., Bigler, E.D., & Lainhart, J.E. (2014). Longitudinal changes in cortical thickness in autism and typical development. *Brain*, 137(Pt 6), 1799-1812.
16. Travers, B.G., Bigler, E.D., Tromp do, P.M., Adluru, N., Froehlich, A.L., Ennis, C., Lange, N., **Nielsen, J.A.**, Prigge, M.B., Alexander, A.L., & Lainhart, J.E. (2014). Longitudinal processing speed impairments in males with autism and the effects of white matter microstructure. *Neuropsychologia*, 53, 137-145.
15. Anderson, J.S., Zielinski, B.A., **Nielsen, J.A.**, & Ferguson, M.A. (2014). Complexity of low-frequency blood oxygen level-dependent fluctuations covaries with local connectivity. *Hum Brain Mapp*, 35(4), 1273-1283.
14. Ferguson, M.A., **Nielsen, J.A.**, & Anderson, J.S. (2014). Altered resting functional connectivity of expressive language regions after speed reading training. *J Clin Exp Neuropsychol*, 36(5), 482-493.
13. Zuo, X.-N., Anderson, J.S., Bellec, P., Birn, R.M., Biswal, B.B., ... **Nielsen, J.A.**, ... Milham, M.P. (2014). An open science resource for establishing reliability and reproducibility in functional connectomics. *Scientific Data*, 1.

12. **Nielsen, J.A.**, Zielinski, B.A., Fletcher, P.T., Alexander, A.L., Lange, N., Bigler, E.D., Lainhart, J.E., & Anderson, J.S. (2013). Multisite functional connectivity MRI classification of autism: ABIDE results. *Front Hum Neurosci*, 7, 599.
11. Prigge, M.D., Bigler, E.D., Fletcher, P.T., Zielinski, B.A., Ravichandran, C., Anderson, J., Froehlich, A., Abildskov, T., Papadopolous, E., Maasberg, K., **Nielsen, J.A.**, Alexander, A.L., Lange, N., & Lainhart, J. (2013). Longitudinal Heschl's gyrus growth during childhood and adolescence in typical development and autism. *Autism Res*, 6(2), 78-90.
10. Duffield, T.C., Trontel, H.G., Bigler, E.D., Froehlich, A., Prigge, M.B., Travers, B., Green, R.R., Cariello, A.N., Cooperrider, J., **Nielsen, J.A.**, Alexander, A., Anderson, J., Fletcher, P.T., Lange, N., Zielinski, B., & Lainhart, J. (2013). Neuropsychological investigation of motor impairments in autism. *J Clin Exp Neuropsychol*, 35(8), 867-881.
9. Webb, J.T., Ferguson, M.A., **Nielsen, J.A.**, & Anderson, J.S. (2013). BOLD Granger causality reflects vascular anatomy. *PLoS ONE*, 8(12), e84279.
8. Trontel, H.G., Duffield, T.C., Bigler, E.D., Froehlich, A., Prigge, M.B., **Nielsen, J.A.**, Cooperrider, J.R., Cariello, A.N., Travers, B.G., Anderson, J.S., Zielinski, B.A., Alexander, A., Lange, N., & Lainhart, J.E. (2013). Fusiform correlates of facial memory in autism. *Behav Sci (Basel)*, 3(3), 348-371.
7. Prigge, M.B., Lange, N., Bigler, E.D., Merkley, T.L., Neeley, E.S., Abildskov, T.J., Froehlich, A.L., **Nielsen, J.A.**, Cooperrider, J.R., Cariello, A.N., Ravichandran, C., Alexander, A.L., & Lainhart, J.E. (2013). Corpus Callosum Area in Children and Adults with Autism. *Res Autism Spectr Disord*, 7(2), 221-234.
6. **Nielsen, J.A.**, Zielinski, B.A., Ferguson, M.A., Lainhart, J.E., & Anderson, J.S. (2013). An evaluation of the left-brain vs. right-brain hypothesis with resting state functional connectivity magnetic resonance imaging. *PLoS ONE*, 8(8), e71275.
5. Anderson, J.S., **Nielsen, J.A.**, Ferguson, M.A., Burbach, M.C., Cox, E.T., Dai, L., Gerig, G., Edgin, J.O., & Korenberg, J.R. (2013). Abnormal brain synchrony in Down Syndrome. *Neuroimage Clin*, 2, 703-715.
4. Froehlich, A.L., Anderson, J.S., Bigler, E.D., Miller, J.S., Lange, N.T., Dubray, M.B., Cooperrider, J.R., Cariello, A., **Nielsen, J.A.**, & Lainhart, J.E. (2012). Intact Prototype Formation but Impaired Generalization in Autism. *Res Autism Spectr Disord*, 6(2), 921-930.
3. Zielinski, B.A., Anderson, J.S., Froehlich, A.L., Prigge, M.B., **Nielsen, J.A.**, Cooperrider, J.R., Cariello, A.N., Fletcher, P.T., Alexander, A.L., Lange, N., Bigler, E.D., & Lainhart, J.E. (2012). scMRI reveals large-scale brain network abnormalities in autism. *PLoS ONE*, 7(11), e49172.
2. Anderson, J.S., Druzgal, T.J., Froehlich, A., DuBray, M.B., Lange, N., Alexander, A.L., Abildskov, T., **Nielsen, J.A.**, Cariello, A.N., Cooperrider, J.R., Bigler, E.D., & Lainhart, J.E. (2011). Decreased interhemispheric functional connectivity in autism. *Cereb Cortex*, 21(5), 1134-1146.
1. Anderson, J.S., **Nielsen, J.A.**, Froehlich, A.L., DuBray, M.B., Druzgal, T.J., Cariello, A.N., Cooperrider, J.R., Zielinski, B.A., Ravichandran, C., Fletcher, P.T., Alexander, A.L., Bigler, E.D., Lange, N., & Lainhart, J.E. (2011). Functional connectivity magnetic resonance imaging classification of autism. *Brain*, 134(Pt 12), 3742-3754.

MANUSCRIPTS AVAILABLE AS PREPRINTS AND/OR UNDER REVIEW

Trainee co-author * equal contribution by first authors or senior authors, respectively

Bruin, W.B., Zhutovsky, P., van Wingen, G., Bas-Hoogendam, J., Groenewold, N.A., ..., **Nielsen, J.A.** ... , Veltman, D.J. Aghajani, M. (2022, November 23). Brain-Based Classification of Youth with Anxiety Disorders: an ENIGMA-ANXIETY Transdiagnostic Examination using Machine Learning. <https://doi.org/10.31234/osf.io/exrm9>

Kamhout, S.[#], Olivier, J.M.^{#*}, Morris, J.[#], Brimhall, H.[#], Black, B.L.[#], Gabrielsen, T.P., South, M., Lundwall, R.A.^{*}, & **Nielsen, J.A.^{*}** No difference in binocular rivalry in autistic, socially anxious, and neurotypical adults.

Nielsen, J.A.^{*}, Qureshi, A.Y.^{*}, Mukherjee, P., Berman, J.I., Roberts, T.P.L., Nagarajan, S.S., Spiro, J.E., Chung, W.K., Sherr, E.H., & Buckner, R.L. Topographic shifts in functional connectivity and reduced lateralization in 16p11.2 deletion carriers: A genetics-first approach to autism.

Peterson, M.[#], Whetten, C.[#], Clark, A.M.[#], & **Nielsen, J.A.** No difference in extra-axial cerebrospinal fluid volumes across neurodevelopmental and psychiatric disorders in later childhood and adolescence.

Polhill, S.E.[#], Hansen Smith, S.[#], Baughan, E.C.[#], Bunnell, K.[#], Benson, B.[#], Garcia Prada, D.[#], Hansen, K., Allen, G.E.K., & **Nielsen, J.A.** Perfectionism and scrupulosity: Does self compassion mediate the relationship?

MANUSCRIPTS IN PREPARATION

[#] Trainee co-author ^{*} equal contribution by first authors or senior authors, respectively

Nielsen, J.A., Mair, R.W., Baker, J.T., & Buckner, R.L. Precision Brain Morphometry: Feasibility and Opportunities of Extreme Rapid Scans.

Numa, M.A.[#], Frezzia, R.[#], Ward, J.[#], Prigge, M.D., Zielinski, B.A., Bigler, E.D., King, J.B., Lange, N., Alexander, A.L., Lainhart, J.E., & **Nielsen, J.A.** Similar developmental trajectories of the superior temporal asymmetrical pit in autistic and neurotypical individuals.

Whetten, C.[#], Ferguson, M.A., Baughan, E.C.[#], Bunnell, K.[#], Schaper, F.L.W.V.J., & **Nielsen, J.A.** A spatial attention circuit derived from patients with brain lesions.

BOOKS AND BOOK CHAPTERS

Nielsen, J.A., & Hutchison, R.M. (2018). Resting-State Functional Connectivity MRI (fcMRI). In J.S. Kreutzer, J. DeLuca & B. Caplan (Eds.), *Encyclopedia of Clinical Neuropsychology, 2nd Edition*: Springer-Verlag New York.

Anderson, J.S., Shah, L.M., & **Nielsen, J.A.** (2013). *Specialty Imaging: Functional MRI*. Altona, Canada: Amirsys Publishing, Inc.

Anderson, J.S., Ferguson, M.A., & **Nielsen, J.A.** (2013). Functional MRI in Autism. In M. F. Casanova, A. S. El-Baz & J. S. Suri (Eds.), *Imaging the brain in autism* (pp. 289-323). New York: Springer.

Zielinski, B.A., Prigge, M.D., **Nielsen, J.A.**, & Lainhart, J.E. (2013). Structural Imaging in Autism. In M.F. Casanova, A.S. El-Baz & J.S. Suri (Eds.), *Imaging the brain in autism* (pp. 135-177). New York: Springer.

CONFERENCE PRESENTATIONS (2020 – 2023)

[#] Trainee co-author

Peterson, M.[#] & **Nielsen, J.A.** (2023). Estimating Hemispheric Specialization in Children, Adolescents, and Emerging Adults. *Society for Research in Child Development* (Salt Lake City, UT).

Baughan, E.C.[#], Bunnell, K.[#], Polhill, S.E.[#], Hansen Smith, S.[#], Garcia Prada, D.[#], Allen, G.E.K., & **Nielsen, J.A.** (2022) Thought-action Fusion Does Not Moderate the Relationship Between Intolerance of Uncertainty and Scrupulosity in a Nonclinical LDS Sample *American Psychological Association* (Minneapolis, MN).

Polhill, S.E.[#], Hansen Smith, S.[#], Baughan, E.C.[#], Bunnell, K.[#], Benson, B.[#], Garcia Prada, D.[#], Hansen, K., Allen, G.E.K., & **Nielsen, J.A.** (2022) Perfectionism and scrupulosity: Does self compassion mediate the relationship? *American Psychological Association* (Minneapolis, MN).

- Peterson, M.[#], Whetten, C.[#], Clark, A.M.[#], & **Nielsen, J.A.** (2022) No difference in extra-axial cerebrospinal fluid volumes across neurodevelopmental and psychiatric disorders in later childhood and adolescence. *Society for Neuroscience* (San Diego, CA).
- Gifford, D.[#], Parker, L.[#], Gilliat, S.[#], Wild, J.[#], Timpson, C.[#], Melanson, D.[#], **Nielsen, J.A.**, & South, M. (2021) Correlation between Face-to-Face and Digital Social Interaction and Suicidality in Autistic and Socially Anxious Individuals. *International Society for Autism Research* (originally Boston, MA but changed to online due to COVID-19).
- Limon, D.L., Gifford, D.[#], Melanson, D.[#], Normansell-Mossa, K.M., **Nielsen, J.A.**, & South, M. (2021) Understanding the Influence of Social Interactions on Negative Affect in Autistic Adults with Social Anxiety. *International Society for Autism Research* (originally Boston, MA but changed to online due to COVID-19).
- Melanson, D.[#], Gifford, D.[#], Parker, L.[#], Gilliat, S.[#], Wild, J.[#], Timpson, C.[#], Melanson, D.[#], **Nielsen, J.A.**, & South, M. (2021) Social Connectedness and Stress in Autistic Compared to Socially Anxious Adults. *International Society for Autism Research* (originally Boston, MA but changed to online due to COVID-19).
- Numa, M.A.[#], Frezzia, R.[#], Ward, J.[#], Prigge, M.D., Zielinski, B.A., Bigler, E.D., King, J.B., Lange, N., Alexander, A.L., Lainhart, J.E., & **Nielsen, J.A.** (2021). Comparison of the Trajectory of the Superior Temporal Asymmetrical Pit of Typically Developing and Autistic Individuals. *International Society for Autism Research* (originally Boston, MA but changed to online due to COVID-19).
- Peterson, M.[#], Prigge, M.D., Zielinski, B.A., Bigler, E.D., King, J.B., Lange, N., Alexander, A.L., Lainhart, J.E., & **Nielsen, J.A.** (2021). Extra-Axial Cerebrospinal Fluid Volume Normalizes with Age in Autistic Individuals. *International Society for Autism Research* (originally Boston, MA but changed to online due to COVID-19).
- Regehr, L.J.[#], Gabrielsen, T.P., **Nielsen, J.A.**, & South, M. (2021). A Longitudinal Look: How Sleep Impacts Suicidal Thoughts and Behaviors in Autism and Social Anxiety. *International Society for Autism Research* (originally Boston, MA but changed to online due to COVID-19).
- Borden, W.[#], Numa, M.A.[#], Frezzia, R.[#], Christiansen, M.[#], James, M.[#], Tandiman P.[#], Ward J.[#], & **Nielsen, J.A.** (2020). Comparison between the Superior Temporal Asymmetrical Pit of Typically Developing and Autistic Individuals. *Society of Biological Psychiatry* (originally New York City, NY but changed to online due to COVID-19).
- Frezzia, R.[#], Numa, M.A.[#], Borden, W.[#], Ward J.[#], Macy, C.[#], Rogers, K.[#], Christiansen, M.[#], & **Nielsen, J.A.** (2020). Reduced Asymmetry of the Superior Temporal Asymmetrical Pit in 16p11.2 Deletion Carriers. *Society of Biological Psychiatry* (originally New York City, NY but changed to online due to COVID-19).

INVITED TALKS

2020	Society for Research on Adolescence Pre-Conference, San Diego, California
2018	Frontotemporal Dementia Unit, MGH, Charlestown, Massachusetts
2017	Imaging Elevated Symposium, University of Utah, Salt Lake City, Utah
	Center for Anxiety and Traumatic Stress Disorders, MGH, Boston, Massachusetts
2016	LDS Life Science Symposium, Thanksgiving Point, Lehi, Utah
2015	Depression and Bipolar Support Alliance, McLean Hospital, Belmont, Massachusetts
2014	MRI Research Seminar, Brigham Young University, Provo, Utah
	Department of Psychology, Harvard University, Cambridge, Massachusetts

GRANTS

2022 – 2023	<i>Neural Circuits That Support Cognitive Processes Derived From Patients With Brain Lesions</i> Role: Principal Investigator Sources: BYU Office of Creative and Research Activities Faculty Mentoring Environment Grant (MEG) BYU Neuroscience Mentored Research Award Award: \$20,000 (MEG) + \$5,000 (Neuroscience)
2022 – 2025 (declined)	<i>Comparative Brain Circuit Mapping of Individual Experiences and Group-level Representations of Supernatural Agents Using Brain Lesions and fMRI</i> Role: Co-Principal Investigator Source: John Templeton Foundation Award: \$496,847
2022 – 2025 (declined)	<i>Neural Circuits & Implicit Cognitive Biases Involved in Scrupulosity and Obsessive-Compulsive Disorder</i> Role: Co-Principal Investigator Source: John Templeton Foundation Award: \$419,300
2022 – 2023	<i>From Big Data to Big Impact: Improving Risk Prediction for Suicidal Thoughts and Behaviors in College-Age Young Adults</i> Role: Principal Investigator Source: BYU donor Award: \$60,000
2021 – 2026 (declined)	<i>Longitudinal Analysis of Brain Dynamics in Individuals with Autism and Low Verbal and Cognitive Performance</i> Role: Co-Investigator Source: NIH Award: \$2,187,108
2020 – 2021	<i>Development of Religious Distress fMRI Task in Scrupulosity</i> Role: Principal Investigator Source: BYU MRI Research Facility Seed Grant Award: \$20,000
2020 – 2021	<i>Comparison of Brain Plasticity in Younger and Older Adults During Limb Disuse</i> Role: Principal Investigator Sources: BYU MRI Research Facility BYU Office of Creative and Research Activities Faculty Mentoring Environment Grant (MEG) BYU Gerontology Program BYU College of Family Home and Social Sciences (FHSS) Research Grant Award: \$23,200 (MRI) + \$10,000 (MEG) + \$9,000 (Gerontology) + \$6,500 (FHSS)
2019 – 2021	<i>From Big Data to Big Impact: Improving Risk Prediction for Suicidal Thoughts and Behaviors in College-Age Young Adults</i> Role: Co-Investigator Source: BYU Interdisciplinary Grant Award: \$120,000
2018	<i>Structural and Functional Brain Asymmetries in Autism</i> Role: Principal Investigator Source: BYU donor Award: \$3,700

MENTORING

Faculty Mentoring

2021 – current Garrett Cardon, NIH K01 (Mentored Research Scientist Career Development Award)

PhD Dissertation Committee Chair (4 students)

2022 – current Joshua Shaeffer, Experimental Psychology
 2021 – current Kiana Bunnell, Experimental Psychology
 2021 – current Steven Lograsso, Clinical Psychology
 2019 – current Madeline Peterson, Experimental Psychology

PhD Dissertation Committee Service (11 students)

2022 – current Sarah Kamhout, Clinical Psychology (Chair: Kara Duraccio)
 2021 – current Dani Cimmino, Clinical Psychology (Chair: Derin Cobia)
 2020 – 2022 Kaitlyn Greer, Experimental Psychology (Chair: Derin Cobia)
 2020 – current Julie Van, Experimental Psychology (Chair: Brock Kirwan)
 2019 – current Lindsay Regehr, Counseling Psychology (Chair: Terisa Gabrielsen)
 2019 – current Holly Paxton-Winiarski, Clinical Psychology (Chair: Derin Cobia)
 2019 – current Rachael Slate, Clinical Psychology (Chair: Derin Cobia)
 2019 – 2020 Benjamin Carter, Neuroscience (Chair: Steven Luke)
 2018 – 2021 Ariana Hedges-Muncy, Experimental Psychology (Chair: Brock Kirwan)
 2018 – current Jolynn Jones, Experimental Psychology (Chair: Daniel Kay)
 2018 – 2020 Nathan Muncy, Experimental Psychology (Chair: Brock Kirwan)

Master's Thesis Committee Chair (1 student)

2020 – 2022 Alyssa Kozlowski, Neuroscience

Master's Thesis Committee Service (1 student)

2021 – 2022 Gillian Martin, Civil Engineering (Chair: Greg Macfarlane)

Undergraduate & Post-Baccalaureate Mentoring (144 students)

BYU Psychology (45) = Paolo Adorable (2020 – 2021), Roddy Luz del Alba Rodriguez (2022 – current), ~ Ruth Bliss (2021), Adam Brewer (2022 – current), ~ Kealani Browne (2020 – 2022), Benson Bunker (2019 – 2022), \$^# Kiana Bunnell (2019 – 2021), ~ Melissa Chavez (2022 – current), @ Jonathan Casey (2021 – current), # Maddalena Cigolini (2019), Rachelle Clarke (2022 – current), = Julia Critchfield (2020 – 2021), Mariah Dean (2021 – 2022), Kierstin Douglas (2022 – current), @ Eduardo Duran (2022 – current), Oromia Eshete (2019 – 2020), ^ Austin Flitton (2022 – current), Sydney Foote (2023 – current), ^# Summer Frandsen (2018 – 2022), @ Rebecca Frezzia (2019 – 2022), @ Malia Gable (2022 – current), Caleb Gardner (2022 – current), & Loriana Goulding (2020 – 2021), ^ Tiffany Harris (2021 – 2022), = Mary Hunt (2018 – 2019), ^# Marissa James (2018 – 2019), @ Shea Jensen (2022 – current), David Johnson (2019 – 2020), Hailey Johnson (2020 – 2021), Tavish King (2023 – current), Mason Krey (2022), Tanner Lund (2022), Cameron Macy (2019 – 2021), Connor Monson (2022), ^ Zachary Moore (2022 – current), Alan Nichols (2022 – current), ^= Josh Olivier (2018 – 2022), ^= Jeremy Rodgers (2018 – 2021), Hunter Schow (2019 – 2020), Rachel Shellman (2019), @ Elizabeth Smith (2021 – current), @ Elizabeth Perkins Swain (2022 – current), ^= Greg Sorenson (2019 – 2020), = John Ward (2019 – 2022), Alexis Warnick (2022 – current)

BYU Neuroscience (80) +* Eli Baughan (2019 – current), Afton Beard (2022 – current), II Owen Benzley (2022 – current), Braeden Black (2018 – 2021), James Blood (2020 – 2022), Wes Borden (2019 – 2021), Ben Brodie (2022 – current), Brandon Brown (2023 – current), Rebecca Brown (2022 – current), Hayden Brimhall (2021), Sam Brown (2019 – 2021), II Grace Burt (2021 – current), Caleb Chatwin (2021 – 2022), Bailey Cherrington (2022 – present), Rikki Choi (2019 – 2020), Mikayla Christiansen (2019 – 2020), † Anne Clark (2020 – 2022), Jascinda Croft (2022 – current), Dipak Devkota (2022 – current), Johanna Dobler

(2018 – 2019), Sabrina Doney (2020 – current), Devin Downing (2019 – 2020), Liam Edginton (2022 – current), Zach Fiore (2022 – current), Robert Flores (2022 – current), ~ Daniela Garcia (2020 – current), Walker Gentry (2022 – current), \$ Daniel Gifford (2018 – 2021), Stephen Gilliat (2020 – 2021), Payton Harris (2022 – current), Chelsea Harrison (2022 – current), Keaton Helquist (2022 – current), Abigail Hokanson (2021), Joseph Holmes (2023 – current), Cade Holdstock (2022 – current), Dillon Honda (2022 – current), Devon Jacob (2019), & Sarah Kamhout (2020 – 2022), Stefano Kennedy (2023 – current), Joseph Kozlowski (2022 – current), ^ Danny Kutz (2018 – 2021), Katherine Leigh (2023 – current), Grace Loveless (2022 – current), Kayleigh Lunsford (2022), Sofia Maia (2022 – current), Mazzy Marcucci (2022 – current), Nycollas Marshall (2021 – current), Josh Matthews (2019), ^# Dave Melanson (2019 – 2022), Megan Merkley (2019), Harrison Moore (2023 – current), Jarom Morris (2018 – 2022), Gavin Murray (2022 – current), Matt Nitz (2019 – 2021), +\$* Miguel Numa (2018 – current), \$^ Lauren Parker (2019 – 2022), Katie Pascavage (2023 – current), Dan Pozernick (2022 – current), Kiziah Pugmire (2023 – current), Connor Robinson (2023 – current), Kelsie Rogers (2019 – 2022), Hazel Skousen (2018 – 2020), Phoebe Smith (2022 – current), Riley Steanson (2022 – current), Josh Stewart (2022 – current), Cassie Stevens (2022 – current), David Stout (2020 – 2022), Ashton Tanner (2019 – 2020), Nikki Tanner (2019), Analisa Thompson (2021), ~ Cece Timpson (2020 – 2021), Joseph Turner (2022 – current), Jade Viveiros (2022 – current), ~ Matt Viveiros (2019 – 2021), Christopher Whetten (2021 – 2022), Alan Karter Whitney (2023 – current), ^ Jayson Wild (2019 – 2021), Kody Wilde (2019), Hayden Wood (2020 – 2021), Seth Wride (2020 – 2022)

Other (13)

Thomas Bashford (Exercise Science, 2022 – current), Carter Chappell (Public Health, 2021 – 2022), Benjamin Carlson (Undeclared, 2022 – current), Trent Hortin (Theater Media Arts, 2022), Justin Hunt (Bioinformatics, 2018 – 2019), Tanner Littleton (Biological Science Education, 2019), Leia Pappenfuss (School of Family Life, 2018), Maggie Peterson (Post-Baccalaureate, 2020 – 2021), Sarah Polhill (Post-Bacclaureate, 2022-current), Sara Smith (Post-Bacclaureate, 2022-current), @ Patricia Tandiman (BYU-Hawaii Psychology, 2019), Lokahi Vuikadavu (Post-Baccalaureate, 2022 – current), Sean Watson (Microbiology, 2022 – current)

Harvard (6)

Ellie Beam (Psychology, 2014 – 2016), Jacob Goldberg (Psychology, 2015 – 2016), Aya Hamadeh (Psychiatry, 2014 – 2016), Julia Lord (Neurobiology, 2015), Melinda Wang (Neurobiology, 2015 – 2016), Arpi Youssoufian (Psychology, 2018)

+ Fleming Fellowship (2 students)

~ FHSS Research Academy (6 students)

\$ President's Leadership Council Mentored Student Program (4 students)

@ Psychology Research Program (8 students)

& Honors Thesis (2 students)

= Psychology Research Capstone (7 students)

* Neuroscience Experiential Learning Funds (2 students)

^ Psychology Experiential Learning Funds (13 students)

Burnham Funds (BYU Autism Funding Mechanism; 5 students)

└ Summer Premedical Research Internship Program (1 student)

Π – Life Sciences College Undergraduate Research Award (2 students)

Teaching Assistants (34 assistants over 57 semesters)

Max Alley (Psych 111 x 1), Sammy Bond (Psych 111 x 1), Kiana Bunnell (Psych 375 x 4, Psych 370 x 1), % Aimee Bryson (Psych 375 x 1, Psych 111 x 1), Carter Chappell (Psych 375 x 2), % Allison Clayton (Psych 111 x 1), % Ally Davis (Psych 111 x 1), Tiffany Dutson-Harris (Psych 308 x 1), Austin Fannin (Psych 111 x 1), Emily Goodman (Psych 111 x 2), Josh Graham (Psych 111 x 1), Cayden Hatch (Psych 375 x 1), Lauren Hansen (Psych 111 x 1), Macie Howard (Psych 111 x 1), Jarom Hutson (Psych 111 x 2), % Luci Kuttler (Psych 111 x 4), Corbin Lee (Psych 375 x 1), Kenzie Lowry (Psych

111 x 1), Ellie Mann (Psych 111 x 2), Zoe Macias (Psych 111 x 3), % Kinley Martin (Psych 370 x 1), Isabella McGowen (Psych 375 x 2), % Nicole Nordin (Psych 111 x 1), Megan Overby (Psych 111 x 1), Lauren Parker (Psych 111 x 2, Psych 375 x 1), % Andrew Pochman (Psych 111 x 1, Psych 308 x 1, Psych 375 x 1), Hailey Richmond (Psych 111 x 1), Jeremy Rodgers (Psych 111 x 2), Rachel Schmidt (Psych 111 x 4), Harrison Schoonmaker (Psych 111 x 1), Jake Warner (Psych 308 x 1), Kami Weber (Psych 375 x 1), Christopher Whetten (Psych 370 x 1), Sarah Worthington (Psych 111 x 1)

% Psychology Teaching Capstone (7 students)

HONORS AND AWARDS

- | | |
|-------------|---|
| 2017 | Outstanding Emerging Investigator
Recognized by the University of Utah's Department of Radiology and Imaging Sciences
University of Utah, Salt Lake City, UT |
| 2009 – 2011 | NIH T32 Training Grant Fellowship
Two-time recipient of a fellowship that covers stipend, tuition, insurance, research travel, and research materials
University of Utah, Salt Lake City, UT |

PROFESSIONAL AFFILIATIONS

International Society for Autism Research
 Organization for Human Brain Mapping
 Society for Neuroscience
 Society of Biological Psychiatry

COURSES TAUGHT

- | | |
|----------------------|--|
| F 2021– F 2022 (2x) | PSYCH 308: Psychological Statistics (Brigham Young University) |
| F 2020 – F 2021 (2x) | PSYCH 370: Sensation & Perception (Brigham Young University) |
| W 2019 – F 2022 (9x) | PSYCH 111: Introduction to Psychological Science (Brigham Young University) |
| F 2018 – W 2023 (7x) | PSYCH 375: Cognition (Brigham Young University) |
| W 2017 (1x) | PSY 1202: Modern Neuroanatomy (Harvard University)
Co-instructor: Dr. Randy Buckner |
| W 2013 (1x) | PSYCH 6951/BIOEN 6900: Introduction to fMRI (University of Utah)
Co-instructors: Dr. Jeff Anderson and Michael Ferguson |

PROFESSIONAL SERVICE AND ACTIVITIES

- | | |
|----------------|--|
| 2021 – current | Life Sciences College Undergraduate Research Award Proposal Reviewer
Brigham Young University, Provo, UT |
| 2021 – current | Conference Abstract Reviewer
International Society for Autism Research |
| 2021 – current | Experimental Psychology PhD Admissions Committee Member
Brigham Young University, Provo, UT |

2019 – 2021 **Faculty Recruitment Committee Member**
Brigham Young University, Provo, UT

2018 – current **Social Committee Member**
Brigham Young University, Provo, UT

AD HOC REVIEWER

American Journal of Psychiatry
Autism Research
Frontiers in Human Neuroscience
Frontiers in Systems Neuroscience
Human Brain Mapping
Journal of the American Academy of Child and Adolescent Psychiatry
Molecular Autism
Neurobiology of Aging
PLOS ONE
Research in Autism Spectrum Disorders