

CURRICULUM VITAE

Dr. Caitlin M. Hudac

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DEGREES AND EDUCATION

Ph.D. in Psychology	University of Nebraska, Lincoln (Lincoln, NE)	2014
B.A. in Human Development	University of Chicago (Chicago, IL)	2005

FACULTY APPOINTMENTS

University of South Carolina, Associate Professor		2022-present
Department of Psychology		
University of Alabama, Assistant Professor		2019-2022
Department of Psychology & Center for Youth Development and Intervention		

RESEARCH AND PROFESSIONAL EXPERIENCE

University of Washington , Research Scientist		2018-2019
University of Washington , Senior Post-doctoral Fellow		2014-2018
Mentors: Sara Jane Webb, Raphael Bernier		
University of Nebraska-Lincoln , Graduate Research Assistant		2010-2014
Mentors: Dennis Molfese, Anne Schutte		
Yale Child Study Center , Research Associate		2008-2010
Mentor: Kevin Pelphrey		
Carnegie Mellon University , Laboratory Manager		2007-2008
Mentor: Kevin Pelphrey		
University of Chicago Sonia Shankman Orthogenic School , Milieu Therapist		2005-2007

COMMITMENT TOWARDS ACCESSIBILITY, DIVERSITY, EQUITY, AND INCLUSION

My research laboratory group ensures that the theories and science we discuss and produce are inclusive of diverse individuals, perspectives, experiences, and contexts. Our goal is to: (1) educate on the negative developmental consequences of inequities and injustices; (2) reduce the barriers to research participation in traditionally underserved communities; (3) ensure intern opportunities for diverse students; (4) amplify underrepresented voices and efforts in science. See <https://www.b-radlab.com/diversity--inclusion.html>

DEI focused trainings completed:

Family Voices , Autism Research Equity Training		2023
University of Alabama , VISIONS Inc., Diversity, Equity, & Inclusion training		2021

ACTIVE GRANTS

R15 MH124041 (Y1-Y2 PI: Hudac; Y3 PI: Xia)	09/07/2020 – 08/31/2023	2.13 calendar
NIMH	\$429,213	Role: PI
Evaluation of the underlying structure of adolescent social attention		
<u>Goals:</u> This project seeks to understand the discrete processes involved in social attention during adolescence.		
2019 Research Grant (PI: Hudac)	11/1/2019 – 10/31/2023	1.92 calendar
GRIN2B Foundation	\$59,546	Role: PI

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Linking Brain and Behavior: A GRIN2B Biomarker

Goals: We aim to examine candidate electroencephalography (EEG) biomarkers related to learning and behaviors in children with disruptive GRIN2B mutations.

2019 Action Potential Grant (PI: Hudac)	6/1/2019 – 12/31/2023	1.18 calendar
FamiliesSCN2A Foundation	\$50,000	<u>Role:</u> PI
SCN2A Biomarkers of Attention		

Goals: We aim to link a promising electroencephalography (EEG) based candidate biomarker to clinical behaviors of children with disruptive SCN2A mutations.

U01 DA055322-01 NIH (MPIs: Peralta, Yerby, Newman, Newsom)	9/30/2021-6/30/2026	1.5 summer
NIDA	\$11,691,037	<u>Role:</u> Site PI

HEALthy Brain and Child Development Study at UAB and UA

Goals: Via a prospective longitudinal study targeting pregnant women and their infants, we will examine variability in outcomes and the effect of substance exposure *in utero* as well as other experiences in development and the interaction with genetic, biological and endocrine system.

Simons Searchlight 2022 Meeting (PI: Hudac)	5/1/22-10/1/22	0.0 calendar
Simons Foundation Autism Research Initiative	\$15,000	<u>Role:</u> PI
BioGENE Study at the Simons Searchlight 2022 Family Meeting		

Goals: We will target ongoing patterns of learning (i.e., information processing) using electroencephalography (EEG) for participants (likely youth age 4-25 years, but no age restrictions) with identified rare genetic etiologies related to ASD, including *CSNK2A1*, *HIVEP2*, *MED13L*, and *SETBP1*.

PENDING GRANTS

R01 HD107593-01A1 (MPI: Xia, Hudac)	5/15/2023-5/14/28	
NICHD	\$3,381,246	<u>Role:</u> MPI

Reciprocity of Social Connection and Well-Being: Convergence of Temporal and Neural Underpinnings of Adolescent Social Connection Quality, Quantity, and Need

Goals: This project will disentangle the different elements of social connection in adolescence and its associations to well-being using multiple measurements across short-term (daily) and long-term (across months) time, as well as neurobiological assessment, across contexts.

Scores: 30 Impact, 14th percentile

2023 Human Cognitive and Behavioral Science (PI: Hudac)	8/1/2023-7/31/25	
Simons Foundation Autism Research Initiative	\$500,00	<u>Role:</u> PI

Feasibility of in-home remote-guided EEG data collection for SETBP1 and DYRK1A

Goals: Here, we seek to first evaluate behavior-biomarkers associations in iASD, DYRK1A, and SETBP1-HD using gold-standard methods in the participant family's home (Aim 1) and test the feasibility of two new methods (Aim 2): low-density EEG (e.g., 8-32 channel nets) and the feasibility of parents collecting EEG data collection with remote guidance.

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2023 Cross-Species Studies of ASD (MPIs: Hudac, Schenck) 1/1/2024-12/31/26

Simons Foundation Autism Research Initiative \$1,200,000 Role: MPI

The role of excitatory/inhibitory neuronal imbalance in ASD

Goals: The goal of this project is to examine excitatory/inhibitory imbalance as a mechanism of attention habituation and sleep problems in *Drosophila* and human individuals with disruptive mutations to GRIN2B and CHD8.

COMPLETED GRANTS

Small Grant Program (PI: Hudac) 1/1/2020 – 12/31/2021 0.0 calendar

Office for Research and Economic Development, \$6,000 Role: PI

University of Alabama

Social attention in ASD and SAD

Goals: Our objective is to examine underlying components of social attention in autism spectrum disorder (ASD) and social anxiety disorder (SAD) as measured by neural correlates.

R61 MH117192 (PI: White, B.) 02/06/20 – 01/31/25 1.2 calendar

NIMH \$2,001,426 Role: Co-I

Development of Psychosocial Therapeutic and Preventive Interventions for Mental Disorders

Goals: We aim to utilize a face recognition intervention to improve outcomes for children with callous and unemotional traits.

Research Grant (PI: White, S.) 11/1/2019 – 10/31/2021 0.0 calendar

Alabama Life Research Institute \$25,000 Role: Co-I

University of Alabama

School-based Treatment for Emotional Reactivity: A Pilot study

Goals: We will deploy a novel ER intervention delivered by school-based providers and assess outcomes related to both impact (efficacy) and implementation (provider satisfaction and attitudes).

NSF 2019120 (PI: Kana, Newman) 09/01/2020 – 08/31/2022 0.0 calendar

National Science Foundation \$1,605,115 Role: Major User

MRI: Acquisition of a 3.0 Tesla Magnetic Resonance Imaging Scanner

Goals: This award permits the acquisition of a magnetic resonance imaging (MRI) scanner, in support of interdisciplinary collaborative research basic and translational research projects.

NCER-CASL-Measurement (PI: Lakin) 07/21/2021-07/20/2025 0.0 calendar

Department of Education \$1,646,583 Role: Co-I (Y1)

Validity Evidence on the Spatial Ability Assessment for STEM Instruction and Evaluation

Goals: The goal of this project is to conduct validity research on a new measure, the Cognitive Abilities Test (CogAT): Spatial Assessment, which addresses this gap in existing assessments.

AWARDS & FELLOWSHIPS

University of South Carolina, Propel Research Mentorship Program 2022-2023

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Nomination for 2021 President's Research Award as an Emerging Scholar, University of Alabama	2021
Theodore Tjossem Postdoctoral Award, 50 th Annual Gatlinburg Conference	2017
Top Oral Presentation, University of Washington Postdoctoral Association Research Symposium	2016

PEER-REVIEWED PUBLICATIONS – Organized by topic

Contribution #1: Social attention, emotion regulation, and related processes in neurotypical development

Under review

- a. Xia, M. & **Hudac, C.M.** (under review). *Social connection constellations and individual well-being typologies: Using the loglinear modeling approach with latent variables.*
- b. **Hudac, C.M.**, Pospisil, J.W., & Sommerville, J.A. (under review). *The neural correlates of fairness expectations in infancy.*
- c. Pickron, C.B., Brown, A., **Hudac, C.M.**, & Scott, L.S. (under review). *Gazing faces: A new racially diverse eye gaze stimulus set (iMAP-DG).*

1. **Hudac, C.M.**, Wallace, J., Ward, V.R., Friedman, N.R., Delfin, D., & Newman, S. (2022). Dynamic cognitive inhibition in the context of frustration: Increasing racial representation of adolescent athletes using mobile community-engaged EEG methods. *Frontiers Neurology*, 13, 2022.
2. **Hudac, C.M.**, Naples, A., DesChamps, T.D., Coffman, M.C., Kresse, A., Ward, T., Mukerji, C., Aaronson, B., Faja, S., McPartland, J., & Bernier, R. (2021). Modeling temporal connectivity of face processing in youth and adults. *Social Neuroscience*, 2021: 1-17.
3. Cortesa, C.S., **Hudac, C.M.**, & Molfese, D.L. (2019). Dynamic effects of habituation and novelty detection on newborn event-related potentials. *Brain and Language*, 199, 104695.
4. **Hudac, C.M.** (2019). Rapid dynamic modulation of ostracism neural responses following social priming. *Social Neuroscience*, 14(3), 313-327.
5. Skinner, A.S. & **Hudac, C.M.** (2017) "Yuck, you disgust me!" Affective bias against interracial couples. *Journal of Experimental Social Psychology*, 68, 68-77.
6. Nolte, T., Bolling, D.Z., **Hudac, C.M.**, Fonagy, P., Mayes, L., & Pelphrey, K.A. (2013). Brain mechanisms underlying the impact of attachment-related stress on social cognition. *Frontiers in Human Neuroscience*, 7:816. doi: 10.3389/fnhum.2013.00816
7. Vander Wyk, B.C., Ramsay, G.J., **Hudac, C.M.**, Jones, W., Lin, D., Klin, A., & Pelphrey, K.A. (2010). Cortical integration of audio-visual information. *Brain and Cognition*, 74, 97-106.
8. Vander, Wyk, B.C., **Hudac, C.M.**, Carter, E.J., Sobel, D.M., & Pelphrey, K.A. (2009). Action understanding in the superior temporal sulcus region. *Psychological Science*, 20, 6, 771-777.

Contribution #2: Social attention, social cognition, and related processes in neurotypical and neurodiverse populations

Under review

- a. Rea, H., Clawson, A., **Hudac, C.M.**, Santosh, M., Bernier, R.A., Earl, R., Pelphrey, K.A., Webb, S.J., & Neuhaus, E. (under review). *Developmental differences in EEG resting state in a large sample of adolescents with ASD.*
- b. **Hudac, C.M.**, DesChamps, T.D., Coffman, M., Naples, A., Kresse, A., Faja, S., Ward, T., Mukerji, C., Aaronson, B., Bernier, R.A. & McPartland, J.C. (revision). *Distinct temporal dynamics of face perception in autism spectrum disorder.*
- c. Riek, N., Susam, B.T., **Hudac, C.M.**, Conner, C.M., Akcakaya, M., Yun, J., White, S.W., Mazefsky, C.A., Gable, P.A. (under review). *Feedback related negativity amplitude is greatest following deceptive feedback in autistic adolescents.*

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9. Susam, B., Riek, N., Beck, K., Eldeeb, S., **Hudac, C.M.**, Gable, P., Conner, C., Akcakaya, M., White, S., & Mazefsky C. (2022). Quantitative EEG changes in Youth with ASD following brief mindfulness meditation exercise. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 30, 2395-2405.
10. **Hudac, C.M.**, Santhosh, M., Celerian, C., Chung, K-M., Jung, W., & Webb, S.J. (2021) The role of racial and developmental experience in emotional adaptive coding. *Developmental Neuropsychology*, 1-16.
11. Kaliukhovich, D.A., Manyakov, N.V., Bangerter, A., Ness, S., Skalkin, A., Boice, M., Goodwin, M.S., Dawson, G., Hendren, R.L., Leventhal, B., **Hudac, C.M.**, Bradshaw, J., Shic, F., & Pandina, G. (2020). Social attention to activities in children and adults with autism spectrum disorder: effects of context and age. *Molecular Autism*, 11(1), 1-14.
12. Li, B., Nuechterlein, N., Barney, E., **Hudac, C.M.**, Ventola, P., Shapiro, L., & Shic, F. (2020). Selection of eye-tracking stimuli for prediction by sparsely grouped input variables and for neural networks: towards biomarker refinement for autism. In *ETRA '20: ACM Symposium on Eye Tracking Research and Applications, June 02-05-2020, Stuttgart, Germany*. ACM, New York, NY, USA, 10 pages. <https://doi.org/10.1145/1122445.1122456>.
13. **Hudac, C.M.**, DesChamps, T.D., Arnett, A.B., Cairney, B.E., Ma, R., Webb, S.J., & Bernier, R.A. (2018). Early enhanced processing and delayed habituation to deviance sounds in autism spectrum disorder. *Brain and Cognition*, 123, 110-119.
14. Arnett, A.B., **Hudac, C.M.**, DesChamps, T.D., Cairney, B.E., Gerdtts, J., Wallace, A.S., Bernier, R.A., & Webb, S.J. (2018). Auditory perception is associated with implicit language learning and receptive language ability in autism spectrum disorder. *Brain and Language*. 187:1-8.
15. Pelphrey, K.A., Shultz, S., **Hudac, C.M.**, & Vander Wyk, B.C. (2011). Research Review: Constraining Heterogeneity: The social brain and its development in autism. *Journal of Child Psychology and Psychiatry*, 52(6), 631-644. doi: 10.1111/j.1469-7610.2010.02349.x
16. Pitskel, N.B., Bolling, D.Z., **Hudac, C.M.**, Lantz, S.D., Minshew, N.J., Vander Wyk, B.C., & Pelphrey, K.P. (2011). Brain mechanisms for processing direct and averted gaze in individuals with autism. *Journal of Autism and Developmental Disorders*, 41(12), 1686-1693. doi: 10.1007/s10803-011-1197-x.
17. Kaiser, M. D., **Hudac, C. M.**, Shultz, S., Lee, S., Cheung, C., Berken, A. M., Deen, B., Pitskel, N. B., Sugrue, D. R., Voos, A. C., Saulnier, C. A., Ventola, P., Wolf, J.M., Klin, A., Vander Wyk, B. C., & Pelphrey, K. A. (2010). Neural signatures of autism. *Proceedings of the National Academy of Sciences*, 107, 49, 21223-21228.
18. Perlman, S.B., **Hudac, C.M.**, Pegors, T., Minshew, N.J., & Pelphrey, K.A. (2010). Experimental manipulation of face-evoked activity in the fusiform gyrus of individuals with autism. *Social Neuroscience*. 1747-1927.

Contribution #3: Critical individual difference factors of autism spectrum disorder and other neurodevelopmental disorders, including genetic etiology and rural health disparities

Under review

- a. **Hudac, C.M.**, Kurtz-Nelson, E.K., Rutter, T.M., Peterson, J.L., Hoekzema, K., Beighley, J., Kelly, M.E., Wallace, A.S., Gerdtts, J., Eichler, E.E., Bernier, R.A., & Earl, R.K. (under review). *Unpacking the autism spectrum disorder profile of children with de novo disruptive GRIN2B variants: A quantitative and qualitative analysis*.
 - b. Gerdtts, J., Casagrande, K.A., Bateman, K.J., **Hudac, C.M.**, Bravo, A., Mancini, J., ..., Stobbe, G.A. (under review). *ECHO Autism Washington: Diagnosis and management of autism in primary care*.
 - c. Kurtz-Nelson, E.K., Rea, H., Petriceks, A., **Hudac, C.M.**, Earl, R.K., Bernier, R.A., Eichler, E.E., & Neuhaus, E. (revision). *Characterizing the autism spectrum phenotype in DYRK1A-related syndrome*.
 - d. Goodspeed, K., Bain, J., Dahshi, H., Stamberger, H., **Hudac, C.M.**, Dooley, K., Lee, M-J., Tsai, P. (under review). *Comparison of adaptive and autistic behaviors between neurodevelopmental disorders within the Simons Searchlight Registry*.
19. **Hudac, C. M.**, Friedman, N. R., Ward, V. R., Estreicher, R. E., Dorsey, G. C., Bernier, R. A., ... & Neuhaus, E. (2023). Characterizing Sensory Phenotypes of Subgroups with a Known Genetic Etiology Pertaining to

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- Diagnoses of Autism Spectrum Disorder and Intellectual Disability. *Journal of Autism and Developmental Disorders*, 1-16.
20. Tomeny, T., **Hudac, C.M.**, Kana, R., Maliai, E., Morett, L., Tomeny, K., & Watkins, L. (accepted). Serving individuals with autism spectrum disorder in the age of COVID-19: Special considerations for rural and underserved families. *Rural Special Education Quarterly*, 2022.
 21. Coll-Tané, M., Gong, N., Belfer, S.J., van Renssen, L., [et al., including **Hudac, C.M.**], & Schenck, A. (2021). CHD8/CHD7/Kismet link blood-brain barrier glia and serotonin to ASD-associated sleep deficits. *Scientific Advances*, 7(23), eabe2626.
 22. Earl, R.K., Ward, T., Gerdts, J., Eichler, E.E., Bernier, R.A., & **Hudac, C.M.** (2021). Sleep problems in children with ASD and gene disrupting mutations. *Journal of Genetic Psychology*, 182(5) doi: 10.1080/00221325.2021.1922869.
 23. **Hudac, C.M.***, Bove, J.*, Barber, S., Duyzend, M., Wallace, A.S., Martin, C.L., Ledbetter, D.H., Hanson, E., Goin-Kochel, R.P., Green-Synder, L., Chung, W., Eichler, E.E., & Bernier, R.A. (2020). Evaluating heterogeneity in ASD symptomatology, cognitive ability, and adaptive functioning among 16p11.2 CNV carriers. *Autism Research*, Online 29 June 2020, 1-11. doi:10.1002/aur.2332
 24. Kana, R.K., **Hudac, C.M.**, Tomeny, T.S., O'Kelley, S., Barber, A.B., & White, S.W. (2020). *Impact of COVID-19 on Autism Research: Reflections from Alabama*. In Amaral, D.G. & de Vries, P.J. (Eds.), *COVID-19 and Autism Research: Perspectives from Around the Globe*. *Autism Research*, 13(6), 844.
 25. Kurtz-Nelson, E.C., Beighley, J.S., **Hudac, C.M.**, Gerdts, J., Wallace, A.S., Hoekzema, K., Eichler, E.E., & Bernier, R.A. (2020) Co-occurring medical conditions among individuals with ASD-associated disruptive mutations. *Journal of Children's Health Care*, 1-14.
 26. Kana, R.K., **Hudac, C.M.**, & White, S.W. (2019). Developmental Considerations of Comorbidity in Autism Spectrum Disorder: the need for science across multiple units of analysis. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. 4(12), 1016-1017.
 27. Beighley, J.S.*, **Hudac, C.M.***, Arnett, A.B., Peterson, J.L., Gerdts, J., Wallace, A.S., Mefford, H., Hoekzema, K., Turner, T.N., O'Roak, B.J., Eichler, E.E., & Bernier, R.A. (2019). Clinical and behavioral phenotypes of carriers of mutations in CHD8 or its conserved target genes. *Biological Psychiatry*, 87(2), 123-131.
 28. Wallace, A.S., **Hudac, C.M.**, Berg, J., DesChamps, T.D., Steinman, K., & Bernier, R.A. (2018). Longitudinal report of child with de novo 16p11.2 triplication. *Clinical Case Reports*, 6(1), 147-154.
 29. Luhrs, K.*, Ward, T.*, **Hudac, C.M.**, Gerdts, J., Stessman, H., Eichler, E.E., & Bernier, R.A. (2017). Familial rates of psychiatric disorders in children with autism spectrum disorders identified with genetic mutations. *Autism Research and Treatment*. Vol 2017, Article ID 9371964. doi:10.1155/2017/9371964
 30. Earl, R.K., Turner, T.N., Mefford, H.C., **Hudac, C.M.**, Gerdts, J., Eichler, E.E., & Bernier, R.A. (2017). Clinical phenotype of DYRK1A haploinsufficiency distinct from idiopathic autism and other ASD-associated gene mutations. *Molecular Autism*, 8(1), 54.
 31. **Hudac, C.M.**, Stessman, H.A., DesChamps, T.D., Kresse, A., Faja, S., Neuhaus, E., Webb, S.J., Eichler, E.E., & Bernier, R.A. (2017). Exploring the heterogeneity of neural social indices for genetically-distinct etiologies of autism. *Journal of Neurodevelopmental Disorders*, 9(1), 24.
 32. Ackerman, S.F., Schoenbrun, S., **Hudac, C.M.**, & Bernier, R.A. (2017). Interactive effects of prenatal antidepressant exposure & likely gene disrupting mutations on the severity of autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 47, pp. 3489-3496.
 33. Bernier, R., **Hudac, C.M.**, Chen, Q., Zeng, C., Wallace, A.S., Gerdts, J., Earl, R., Berg, J., Wolken, A., Peters, A., Hanson, E., Goin-Kochel, R.P., Kanne, S., Snyder, L.G., & Chung, W.K. on behalf of the Simons VIP consortium. (2017). Developmental trajectories for young children with 16p11.2 copy number variation. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*.
 34. **Hudac, C.M.***, Kresse, A.*, Aaronson, B., DesChamps, T.D., Webb, S.J., & Bernier, R.A. (2015). Modulation of mu attenuation to social stimuli in children and adults with 16p11.2 deletions and duplications. *Journal of Neurodevelopmental Disorders*. 7(1), 1.
 35. Higdon, R.*, Kincade Earl, R.*, Stanberry, L., **Hudac, C.M.**, Montague, E., Bernier, R.A., & Kolker, E. (2015). The promise of multi-omics and clinical data integration to identify and target personalized healthcare approaches in Autism Spectrum Disorders. *OMICS: A Journal of Integrative Biology*, 2015.

Other contributions:

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36. White, B.A., Dede, B., Heilman, M., Revilla, R., Lochman, J., **Hudac, C.M.**, Bui, C., & White, S.W. (2022). Facial affect sensitivity training for young children with emerging CU traits: An experimental therapeutics approach. *Journal of Clinical Child and Adolescent Psychology*, 51(3), 264-276.
37. **Hudac, C.M.***, Cortesa, C.S.*, Ledwidge, P.S., & Molfese, D.L. (2017). History of concussion impacts electrophysiological correlates of working memory. *International Journal of Psychophysiology*, 132(Pt A), 135-144.
38. Molfese, D.L., Ivanenko, A., Key, F., Roman, A., Molfese, V.J., O'Brien, L.M., Gozal, D., Kota, S., & **Hudac, C.M.** (2013). A One-Hour Sleep Restriction Impacts Brain Processing in Young Children Across Tasks: Evidence From Brain Recordings. *Developmental Neuropsychology*, 38:5, 317-336, doi:10.1080/87565641.2013.799169.
39. **Hudac, C.M.**, Kota, S., Nedrow, J.L., & Molfese, D.L. (2012). Neural mechanisms underlying neuro-optometric rehabilitation following traumatic brain injury. *Eye and Brain*. 2012:4, 1-12. doi: 10.2147/EB.S27290

OTHER PUBLICATIONS: supervision of postgraduate (~) and undergraduate trainee (~~)

1. ~~Combs, I. & **Hudac, C.M.** (2022). Biological and environmental factors contributing to preverbal infant word comprehension. *2021-2022 Journal of Science & Health at the University of Alabama (JOSHUA) Staff*, 23.

BOOKS AND CHAPTERS

1. **Hudac, C.M.** & Webb, S.J. (under review). EEG Biomarkers for Autism: Rationale, Support, and the Qualification Process. In D.C. Javitt & J.C. McPartland (Eds.), *Neurophysiological and Neuroimaging Biomarkers in Neuropsychiatry*. Springer Nature: Advances in Neurobiology. 2022.
2. **Hudac, C.M.**, Friedman, N.R., & Turner, T.N. (2022). Genetic etiologies of autism: Unpacking pathogenic mechanisms and characteristics. In R. Kana (Ed.), *The Neuroscience of Autism*. Cambridge, MA: Academic Press.
3. **Hudac, C.M.** & Sommerville, J. (2021). Understanding others' minds and (socio)-morality: Progress and innovation of infant electrophysiology. In J. Decety (Ed.), *The Social Brain: A Developmental Perspective*. Cambridge, MA: MIT Press.
4. Pelphrey, K.P., Vander Wyk, B.C., Shultz, S., & **Hudac, C.M.** (2014). Social brain function and its development: New insights into autism spectrum disorders. In J. McPartland, A. Kin, & F.R. Volkmar (Ed.), *Asperger Syndrome, Second Edition: Assessing and treating high-functioning autism spectrum disorders*. (pp. 415-440) New York, NY: Guilford Publications, Inc.

INVITED TALKS AND ORAL PRESENTATIONS ~~ denotes supervision and support of trainee

1. **Hudac, C.M.**, Pini, N., Bain, J.M., Earl, R.K., Eichler, E.E., Bernier, R.A., Neuhaus, E., & Webb, S.J. (May 2023). Considering the "Rest" in Resting State: Alpha Rhythm Associations with Sleep in Individuals with Disruptive Genetic Variants. Oral presentation for symposium on "Resting State EEG in Autism and Related Genetic Syndromes" at the annual International Society for Autism Research (INSAR) meeting in Stockholm, Sweden.
2. **Hudac, C.M.** (May 2023). Experiences from the road: Mobile EEG success for minimally verbal and minimally ambulatory populations. Oral presentation for symposium on "Breaking down barriers to research for children with genetic disorders, intellectual disability, or communication challenges" at the annual International Society for Autism Research (INSAR) meeting in Stockholm, Sweden.
3. **Hudac, C.M.** & Friedman, N.R. (April 2023). Implications of contiguity and timing of EEG data loss for individuals with and without genetic variants. Oral presentation for symposium on "Data Loss in the Time of Funky Gadgets: Tales from Rare Genetic/Monogenic Disorders" at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in Kansas City, MO.
4. **Hudac, C.M.** (April 2023). Milliseconds as Inches: Using EEG in SCN2A to understand attention and learning. Oral presentation for symposium on "Capturing *Inchstones*: Novel Approaches to Measurement for Severely Affected Children With SCN2A-Associated Developmental and Epileptic Encephalopathy" at

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- the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in Kansas City, MO.
5. **Hudac, C.M.** (March 2023). Using hyperscanning to understand dyadic social dynamics. Invited talk at the annual Institute for Mind and Brain symposium on Social and Emotional Brain, University of South Carolina, Columbia, SC.
 6. **Hudac, C.M.** (March 2023). Inclusive HD-EEG research for all people: Mobile testing, hair types, and other strategies to improve inclusion in neuroscience. Magstim-EGI Academy, virtual webinar.
 7. **Hudac, C.M.**, Pini, N., & Bain, J. (November 2022). Developing attention and resting state EEG biomarkers. Research presentation to Simons Foundation following the BioGENE Study at Simons Searchlight Baltimore Meeting.
 8. **Hudac, C.M.** (October 2022). Exploring possibilities of dual EEG hyperscanning: Brain “coupling” in romantic partners. Invited talk at the Institute for Mind and Brain, University of South Carolina.
 9. **Hudac, C.M.** (October 2022). At-home EEG: Experiences from a mobile data collection road trip. Invited talk at the Intellectual and Developmental Disabilities Research Center (IDDRC) Remote Working Group monthly meeting, national Zoom webinar.
 10. **Hudac, C.M.** & Xia, M. (September 2022). Brain “coupling”: Electroencephalography (EEG) dynamics between loving partners and associations to the perception of love. Invited talk at The Love Consortium annual meeting, Chapel Hill, NC.
 11. **Hudac, C.M.** (September 2022). Inclusion in neuroscience: Out of the lab and into the community! Invited talk at the Psychology Colloquium, University of South Carolina.
 12. ~Dorsey, G., Harkley, Z., Marino, M., Revilla, R., Stouder, D., Ward, V., Xia, M., & **Hudac, C.M.** (July 2022). Social seeking in young adolescents: Behavior, social functioning, and neural correlates. Oral presentation at the B-RAD Lab Research Summer Seminar, Tuscaloosa, AL.
 13. ~Hernandez, J., Revilla, R., Stouder, D., Xia, M., & **Hudac, C.M.** (July 2022). Visual discrimination of upright and inverted faces in young adolescents. Oral presentation at the B-RAD Lab Research Summer Seminar, Tuscaloosa, AL.
 14. ~Duff, T., Gautam, P., Harkley, Z., Marino, M., Williams, A., Friedman, N., Xia, M., & **Hudac, C.M.** (July 2022). N2 & P3 effects in the Lunchroom task. Oral presentation at the B-RAD Lab Research Summer Seminar, Tuscaloosa, AL.
 15. ~Ward, V., Friedman, N., Hernandez, J., Dorsey, G., Mathis, O., Hughes, S., Duff, T., Xia, M., & **Hudac, C.M.** (July 2022). Differences in social motivation interview scores: A comparison of an ASD sample vs. neurotypical sample. Oral presentation at the B-RAD Lab Research Summer Seminar, Tuscaloosa, AL.
 16. **Hudac, C.M.** (May 2022). A push to develop inclusive autism biomarkers: Considerations for co-occurring intellectual disability and mobility issues. Invited talk at Radboud University Medical Center, Nijmegen, Netherlands.
 17. **Hudac, C.M.** (February 2022). EEG net application in coarse and curly hair. Invited webinar with trainees at Children’s Hospital of Boston.
 18. **Hudac, C.M.** (August 2021). A push to develop inclusive biomarkers for neurodevelopmental disorders. Invited speaker at Stony Brook University’s Clinical Science Colloquium, in partnership with Society for a Science of Clinical Psychology’s Virtual Clinical Lunch series (<http://www.sscpweb.org/ClinicalLunch>).
 19. **Hudac, C.M.** (May 2021). Biomarkers for all: EEG methods to improve opportunities for individuals with intellectual disabilities. Invited speaker at the Innovative Phenotyping Seminar, Seattle Children’s Research Institute, Seattle, WA.
 20. **Hudac, C.M.** (September 2020). DYRK1A research update: Searching for biomarkers. Invited speaker (recorded webinar) at the DYRK1A Insights virtual webinar.
 21. **Hudac, C.M.** (September 2020). Searching for a GRIN2B Biomarker. Invited speaker at the CureGRIN Virtual Conference.
 22. **Hudac, C.M.** (May 2020). Addressing rural health disparities: Identifying underlying mechanisms and developmental trajectories. Invited speaker at the Center for Child Health, Behavior and Development (CCHBD) within the Seattle Children’s Research Institute Children.
 23. **Hudac, C.M.** (March 2020). Using dynamic systems theory to model the brain. Oral presentation at Memory, Aging, and Cognitive Control (MAC2) Research Laboratory weekly meeting, Department of Psychology, University of Alabama.

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24. **Hudac, C.M.** (January 2019). Brain, Genes, and Biomarkers: Understanding learning mechanisms in ASD and neurodevelopmental disorders. Oral presentation at Educational Neuroscience weekly seminar, Department of Education, University of Alabama.
25. **Hudac, C.M.** (November 2019). Biomarkers of sociocognitive abilities in ID and ASD. Oral presentation at Specific Aims workshop at Center for Clinical and Translational Science (CCTS) Training Symposium, Gulf Shores, AL.
26. **Hudac, C.M.** (November 2019). The emergence of the infant social brain. Oral presentation at Developmental Contemporary Issues weekly meeting, Department of Psychology, University of Alabama.
27. **Hudac, C.M.** & Beighley, J. (October 2019). The CHD8 Story: Steps towards subtypes of Autism. Invited speaker for The Simons Foundation Spectrum, replay available: <https://www.spectrumnews.org/features/multimedia/webinars/webinar-jennifer-beighley-and-caitlin-hudac-discuss-chd8-mutations-in-autism/>.
28. **Hudac, C.M.** (September 2019). Brain, Genes, and Biomarkers: Understanding the social brain in ASD. Oral presentation at University of Alabama Autism Center monthly seminar.
29. **Hudac, C.M.** (September 2019). Developmental cognitive neuroscience: EEG/ERP. Oral presentation at Developmental Contemporary Issues weekly meeting, Department of Psychology, University of Alabama.
30. **Hudac, C.M.**, Gerdtts, J.A., Turner, T.N., Eichler, E.E., Webb, S.J., & Bernier, R.A. (May, 2019). Characterizing the neural phenotype of *CHD8* and *CHD8*-related targets. Oral presentation at the International Society for Autism Research (INSAR) annual meeting in Montreal, Canada.
31. Bernier, R.A., **Hudac, C.M.**, Gerdtts, J.A., Turner, T.N., Eichler, E.E., Webb, S.J., & Bernier, R.A. (May, 2019). The Human CHD8 Phenotype. Oral presentation for symposium at the International Society for Autism Research (INSAR) annual meeting in Montreal, Canada.
32. **Hudac, C.M.**, Mahony, M., Arnett, A., Wallace, A.S., Gerdtts, J., Eichler, E.E., Webb, S.J., & Bernier, R.A. (April, 2019). Motor development, the brain, and genetics: Is there a converging biological pathway in ASD? Oral presentation for symposium on “Mechanisms and Functional Consequences of Motor Impairments Across Down syndrome, fragile X, single gene mutations, and high-autism-risk populations” at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in San Antonio, TX.
33. **Hudac, C.M.** (October, 2018). The social brain in 16p11.2: Patterns of learning. Invited speaker for symposium on “A genotype-first approach for defining phenotypic subtypes in ASD” at the Brain and Behavior in Autism symposium at the Center on Human Development and Disability in Seattle, WA.
34. **Hudac, C.M.**, Cairney, B., DesChamps, T.D., Arnett, A.B., Mahony, M.M., Webb, S.J., & Bernier, R.A. (October, 2018). Brain correlates of the *SCN2A* phenotype. Oral presentation for symposium on “A genotype-first approach for defining phenotypic subtypes in ASD” at the 65th annual meeting for the American Academy of Child and Adolescent Psychiatry in Seattle, WA.
35. **Hudac, C.M.** (April, 2018). Panel chair for symposium on “Uncovering genetic subtypes of neurodevelopmental disorders” at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in San Diego, CA.
36. **Hudac, C.M.**, Cairney, B., DesChamps, T.D., Arnett, A.B., Mahony, M.M., Webb, S.J., & Bernier, R.A. (April, 2018). The current progress and challenges of the genetic-first approach: An example using the *SCN2A* subtype. Oral presentation for symposium on “Uncovering genetic subtypes of neurodevelopmental disorders” at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in San Diego, CA.
37. ~~Beighley, J.S., **Hudac, C.M.**, Arnett, A.B., Peterson, J., Gerdtts, J., Arianne S. Wallace, & Bernier, R.A. (April, 2018). The *CHD8* phenotype: Relationship to shared molecular subtypes. Oral presentation for symposium on “Uncovering genetic subtypes of neurodevelopmental disorders” at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in San Diego, CA.
38. **Hudac, C.M.**, (September, 2017). Can a single trial be an ERP? Discussion of the feasibility of single-trial analyses. Presentation for the Human Electrophysiological Component core of the Center on Human Development and Disability at University of Washington in Seattle, WA.
39. **Hudac, C.M.**, DesChamps, T.D., Slattery, B., Ma, R., Wallace, A.S., Troiani, V., DiCriscio, A.S., Taylor, C., & Bernier, R.A. (May, 2017). Dynamic patterns of attention in children with rare *SCN2A* genetic variants.

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- Oral presentation for symposium on “Building a phenotype: Discoveries of genetically distinct subtypes of ASD” at the annual International Meeting for Autism Research in San Francisco, CA.
40. **Hudac, C.M.** (May, 2017). Panel chair for symposium on “Building a phenotype: Discoveries of genetically distinct subtypes of ASD ” at the annual International Meeting for Autism Research in San Francisco, CA.
 41. ~Earl, R.K., **Hudac, C.M.**, Gerdts, J., & Bernier, R.A. (May 2017). Phenotypic presentation and the role of parental phenotype in accounting for variability in individuals with disruptive *DYRK1A* mutations. Oral presentation for symposium on “Autism with known genetic associations: Implications for ‘idiopathic’ autism” at the annual International Meeting for Autism Research in San Francisco, CA.
 42. **Hudac, C.M.**, Pospisil, J., & Sommerville, J.A. (April, 2017). Infant brain correlates of fairness expectations. Oral presentation for symposium on “The Development of Social Fairness” at the biannual Society for Research in Child Development in Austin, TX.
 43. **Hudac, C.M.** & Bernier, R.A. (March, 2017). EEG biomarkers of attention and learning associated with rare genetic variants. Oral presentation for symposium on “Electrophysiological Biomarkers of Risk Prediction and Outcome in Neurodevelopmental Disorders: Methodological considerations and insights gained from studies in ASD, ID and ADHD” at the Gatlinburg Conference in San Antonio, TX.
 44. **Hudac, C.M.**, Pospisil, J., & Sommerville, J.A. (November, 2016). Infant brain correlates of fairness expectations. Oral presentation for University of Washington Postdoctoral Association Annual Research Symposium in Seattle, WA.
 45. **Hudac, C.M.**, as program organizer and co-chair of the University of Washington Postdoctoral Association. (May, 2016). Developing agency & effecting change through networking. Moderated panel discussion in Seattle, WA.
 46. **Hudac, C.M.** (2016, January). The eyes have it: Potential uses for the integration of eye-tracking and single-trial MEG/EEG. Invited talk at the Institute for Learning and Brain Sciences seminar series.
 47. **Hudac, C.M.** (2015, October). Coding with colleagues: Progress on two projects. Symposium oral presentation at the Center for Human Development and Disability Human Electrophysiology Symposium at the University of Washington in Seattle, WA.
 48. **Hudac, C.M.**, Kresse, A., DesChamps, T., Webb, S.J., & Bernier, R.A. (2015, May). Biomarkers of social perception in children with ASD and loss of function gene mutations. Symposium oral presentation at the annual International Meeting for Autism Research (IMFAR) in Salt Lake City, UT.
 49. Skinner, A.L. & **Hudac, C.M.** (2015, February). Is prejudice contagious? Evidence of when and how social bias spreads. Symposium oral presentation at the annual Society for Personality and Social Psychology (SPSP) in Long Beach, CA.
 50. Chernyavskiy, P., **Hudac, C.M.**, Marx, D.B., & Molfese, D.L. (2014, August). A Quantitative approach to the diagnosis of head injuries through a spatio-temporal model of the electrophysiological assessment of working memory. Oral presentation at the Joint Statistical Meetings in Montreal, Quebec.
 51. Skinner, A.L., **Hudac, C.M.**, & Molfese, D.L. (2014, May). “Ugh.. You disgust me!” Evidence of dehumanization of interracial couples amount high bias individuals. Symposium oral presentation at the Association for Psychological Science annual convention in San Francisco, CA.
 52. Chernyavskiy, P., Marx, D.B., **Hudac, C.M.**, & Schwab, A.D. (2013, August). Towards an absolute lack of fit measure for spatio-temporal models. Oral presentation at the Joint Statistical Meetings in Montreal, Quebec.
 53. **Hudac, C.M.** (2013, May) **Invited Paper:** Emergence of theory of mind in infancy: A brain-behavior approach. Oral presentation at the Midwestern Social Development Consortium annual meeting in Lincoln, NE.
 54. **Hudac, C.M.**, Kota, S., Nedrow, J.L., & Molfese, D.L. (2012, April). **Invited Paper:** Neural mechanisms underlying neuro-optometric rehabilitation following traumatic brain injury. Invited oral presentation at the annual Neuro-Optometric Rehabilitation Association in Memphis, TN.
 55. **Hudac, C.M.**, Kaiser, M.D., Shultz, S., Lee, S.M., Cheung, C., Berken, A.M., Deen, B., Pitskel, N.B., Sugrue, D.R., Voos, A.C., Saulnier, C.A., Ventola, P., Wolf, J.M., Klin, A., Vander Wyk, B.C., & Pelphrey, K.A. (2010, May). Neural Signatures of Autism. Oral presentation at the annual International Meeting for Autism Research (IMFAR) in Philadelphia, PA.

POSTER PRESENTATIONS: supervision of postgraduate (~) and undergraduate trainee (~~)

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1. ~ Revilla, R., Friedman, N.R., Braun, S.S., Xia, M., & **Hudac, C.M.** (April 2023) Developmental differences in social motivation and neural correlates of reward processing. Poster presented at the annual meeting of Society for Research in Adolescence (SRA), San Diego, CA.
2. ~ Prothro, K., Revilla, R., Heilman, M., Dede, B., & **Hudac, C.M.** (April 2023). Meta-analysis of facial emotion recognition treatment across clinical diagnoses. Poster presented at the Council of University Directors of Clinical Psychology Diversifying Clinical Psychology Conference, virtual.
3. ~~ Thomas, C., McCall, M., Revilla, R., Uvalle, M., & **Hudac, C.M.** (April 2023). Sleep characterization in rare monogenetic groups associated with neurodevelopmental disorders. Poster presentation at Discover USC 2023, University of South Carolina, Columbia, SC.
4. ~~ Cheever, A., Hersey, J., Revilla, R., Uvalle, M., & **Hudac, C.M.** (April 2023). Characterizing Emotion-Recognition Treatments for Non-Autistic Clinical Populations. Poster presentation at Discover USC 2023, University of South Carolina, Columbia, SC.
5. ~~ Johnson, M., McFadden, J., Orihuela, M., Estrada, J., Raynor, D., Revilla, R., Uvalle, M., & **Hudac, C.M.** (April 2023). Understanding the link between adolescent social skills and emotion dysregulation.
 - a. Poster presentation at Discover USC 2023, University of South Carolina, Columbia, SC.
 - b. Poster presented at the Council of University Directors of Clinical Psychology Diversifying Clinical Psychology Conference, virtual.
6. Rea, H.R., Kurtz-Nelson, E.C., Petriceks, A.C., **Hudac, C.M.**, Earl, R.K., Bernier, R.A., Eichler, E.E., & Neauhaus, E. (March 2023). Characterizing the autism spectrum phenotype in *DYRK1A*-related syndrome. Poster presentation at the University of Washington Institute on Human Development and Disability annual Day of Learning, Seattle, WA.
7. **Hudac, C.M.**, Riek, N.T., Susam, B.T., Akcakaya, M., Friedman, N.R., Gable, P., Wilhelm, R., Beck, K.B., Conner, C.M., White, S.W., & Mazefsky, C. (March 2023). Unpacking the cognitive dynamics of emotion regulation in autistic youth before and after mindfulness exercise. Poster presentation at the annual South Carolina Autism and Neurodevelopmental Disorders (SCAND) symposium, Columbia, SC.
8. **Hudac, C.M.**, Dommer, K., Reninger, M., Bradshaw, J., Kurtz-Nelson, E., Bernier, R.A., Eichler, E.E., Neuhaus, E., Webb, S.J., & Shic, F. (March 2023). Attention biomarkers in genetic subgroups linked to neurodevelopmental disorders: Preliminary evidence from *DYRK1A* and *SCN2A*. Poster presentation at the annual South Carolina Autism and Neurodevelopmental Disorders (SCAND) symposium, Columbia, SC.
9. ~Friedman, N.R., **Hudac, C.M.**, Riek, N.T., Susam, B., Akcakaya, M., Philip Gable, P., Wilhelm, R., Conner, C.M., Mazefsky C., & White, S. (November 2022). Neural correlates of attention during frustration induction correspond to emotion dysregulation in autism spectrum disorder. Poster presentation at the annual Association for Behavioral and Cognitive Therapies (ABCT in New York City, New York.
10. ~Ku, Yun-Ruei, **Hudac, C.M.**, Cheimariou, S., & Scofield, J. (October 2022) Basic combinatorial operations during language processing in English monolinguals and Mandarin-English bilinguals: Insights from event-related potentials and neural oscillations. Annual meeting for the Society for the Neurobiology of Language, Philadelphia, PA.
11. **Hudac, C.M.** & Friedman, N.R. (May 2022). Distinct habituation patterns of auditory social attention associated with disruptive *SCN2A* and *GRIN2B* mutations. Poster presentation at the annual International Society for Autism Research (INSAR) meeting in Boston, MA with virtual options.
12. White, B.A., Revilla, R., Heilman, M., Dede, B., White, S.W., Lochman, J., **Hudac, C.M.**, & Bui, C. (May 2022). Speeding up translation from basic to applied science: FAST as an intervention for callous-unemotional traits. Poster presentation at the annual Society for Scientific Study of Psychopathy (SSSP) virtual meeting.
13. ~ Revilla, R., Friedman, N.R., & **Hudac, C.M.** (April 2022). Electrophysiological correlates of social motivation in neurotypical adults. Abstract submission for the annual Social and Affective Neuroscience Society annual conference meeting. Virtual meeting.
14. **Hudac, C.M.** (April 2022). Improving access to brain research for rare clinical populations: Utility of mobile EEG research. Abstract submission for the University of Alabama System Behavioral Health Conference on Mental Health Across the Life Span in Tuscaloosa, AL.
15. ~~ Combs, I. & **Hudac, C.M.** (April 2022). Biological and environmental factors contributing to preverbal infant word comprehension. Abstract submission for annual Undergraduate Research and Creative Activity conference, University of Alabama.

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16. ~ Estreicher, R.E., Dorsey, G.C., Williams, A.B., Ward, V.W., Friedman, N.R. & **Hudac, C.M.** (April 2022). The relationship between cognitive skills and sensory profiles in individuals with autism spectrum disorder. Abstract submission for annual Undergraduate Research and Creative Activity conference, University of Alabama.
17. **Hudac, C.M.** & Friedman, N.R. (May 2021). Determining What Factors Contribute to Atypical Social Motivation in ASD. Virtual poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
18. ~ Rutter, T.M., Rea, H., Eichler, E.E., Bernier, R.A., Webb, S.J., Earl, R.K., & **Hudac, C.M.** (May 2021). Examining Resting State Alpha Power and Social Motivation among Carriers of CHD8 Mutations and CHD8-Target Genes. Virtual poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
19. ~ Hall, L.T., Sargent, C.L., Ganz, W.R., Earl, R.K., Eichler, E.E., Bernier, R.A., Webb, S.J., & **Hudac, C.M.** (May 2021). EEG Resting State Spectral Differences between SCN2A, Idiopathic ASD, and Typically Developing Controls. Virtual poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
20. ~ Miles, C.M., Kurtz-Nelson, E.C., **Hudac, C.M.**, Eichler, E.E., Bernier, R.A., & Earl, R.K. (May 2021). Quantitative 3D Analysis of Craniofacial Dysmorphia in *DYRK1A* Mutations. Virtual poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
21. **Hudac, C.M.** & Friedman, N.R. (April 2021). Progress towards conceptualizing social attention in autism spectrum disorder and social anxiety disorder. Virtual poster presentation at University of Alabama Faculty Research Day in Tuscaloosa, AL.
22. ~ Williams, A., Friedman, N.R., & **Hudac, C.M.** (April 2021). Response to Exclusion as Observed by Pupillometry. Virtual poster session presented at the Undergraduate Research and Creative Activity conference in Tuscaloosa, AL.
23. ~ Friedman, N.R. & **Hudac, C.M.** (April 2021). Impact of Intellectual Disability on Social Motivation in Autism Spectrum Disorder. Virtual poster session presented at 54th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities.
24. **Hudac, C.M.**, Santhosh, M., Celerian, C., Chung, K.-M., Jung, W., & Webb, S.J. (October 2020). Delineating the role of racial and developmental experience in emotional face processing: An ERP Study. Poster presented at the International Cultural Neuroscience Society virtual conference.
25. ~ Irby, K., Bicknell, B., & **Hudac, C.M.** (April 2020). Clinical and neural metrics of cognitive abilities of children with disruptive *GRIN2B* mutations. Virtual poster session presented at Troy University Psychology Conference in Troy, AL.
26. ~ Nelson, C.M., Mahony, M.M., DesChamps, T., Bernier, R., Shic, F., Webb, S.J., Morett, L.M., **Hudac, C.M.** (April 2020). Attention processes across sensory domains: Characterization from EEG and Eye Tracking. Virtual poster session presented at Southeastern Universities Graduate Research Symposium in Tuscaloosa, AL.
27. ~ Bicknell, B., Irby, K., & **Hudac, C.M.** (April 2020). Cognitive and adaptive profiles of children with disruptive *GRIN2B* mutations. Virtual poster session presented at the Undergraduate Research and Creative Activity conference in Tuscaloosa, AL.
28. Accepted but conference cancelled due to COVID 2020 restrictions
 - a. **Hudac, C.M.**, DesChamps, T.D., Earl, R., Gerdt, J.A., Eichler, E.E., Webb, S.J., & Bernier, R.A. (May, 2020). Connecting brain and behavior: Understanding *GRIN2B* disruptive mutations. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
 - b. Blok, L., DesChamps, T.D., Fenckova, M., Erdogan, I., Eichler, E.E., Webb, S.J., Earl, R., Bernier, R.A., Schenck, A., & **Hudac, C.M.** (May, 2020). Habituation as an ASD biomarker: Capturing distinct genetic profiles in *Drosophila* and humans. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
 - c. ~ DesChamps, T.D., Mahony, M., Shic, F., Earl, R., Gerdt, J.A., Trinh, S., Eichler, E.E., Bernier, R.A., & **Hudac, C.M.** (May, 2020). Social activity monitoring among carriers of disruptive mutations to *DYRK1A*. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.

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- d. ~ Nelson, C.A., Mahony, M., DesChamps, T.D., Bernier, R.A., Shic, F., Webb, S.J., Morett, L.M., & **Hudac, C.M.** (May, 2020). Attention processes across sensory domains: Characterization from EEG and eye tracking. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
 - e. ~ Ganz, W.R., Hall, L.T., Sargent, C.L., Wadhvani, K., Bernier, R.A., Webb, S.J., & **Hudac, C.M.** (May, 2020). Differences in resting state alpha power between LGDM, idiopathic ASD, and typically developing individuals. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Seattle, WA.
29. **Hudac, C.M.**, Gerdts, J.A., Turner, T.N., Eichler, E.E., & Bernier, R.A. (May, 2019). Examining the broader autism phenotype in the context of genetic etiology. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Montreal, Canada.
 30. **Hudac, C.M.**, Gerdts, J.A., Turner, T.N., Eichler, E.E., & Bernier, R.A. (May, 2019). Examining the broader autism phenotype in the context of genetic etiology. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Montreal, Canada.
 31. ~ Mahony, M.M., Pepper, M., **Hudac, C.M.**, Savage, T., Locke, J., & Bernier, R.A. (May, 2019). GroopIt: An innovative platform to speed up rare genetic disorder research. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Montreal, Canada.
 32. ~ Boyd, B., Arnett, A.B., **Hudac, C.M.**, Hoekzema, K., Turner, T.N., O’Roak, B., Eichler, E.E., & Bernier, R.A. (May, 2019). A comparison of head circumference growth trajectories in the context of the CHD8 regulatory network. Poster presentation at the International Society for Autism Research (INSAR) annual meeting in Montreal, Canada.
 33. ~ Cairney, B. E., **Hudac, C. M.**, Mahony, M. M., DesChamps T. D., Ma, R., Beighley, J. S., Gerdtz, J., Wallace, A. S., & Bernier, R. A. (April, 2018). Evaluation of EEG Success in Populations with Neurodevelopmental Disorders. Poster presentation at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities in San Diego, CA.
 34. **Hudac, C.M.**, Cairney, B.E., DesChamps, T.D., Gerdts, J., Wallace, A.S., Turner, T.N., Eichler, E.E., Webb, S.J., & Bernier, R.A. (October 2017). Electrophysiological correlates of attention associated with genetic subtypes of autism spectrum disorder. Poster presentation at the 50th Anniversary Celebration of the Center on Human Development and Disability Research Symposium in Seattle, WA.
 35. ~ Arnett, A.B., **Hudac, C.M.**, DesChamps, T.D., Ma, R., Cairney, B.E., Wallace, A.S., Gerdts, J., Webb, S.J., & Bernier, R.A. (October 2017). Neurophysiological asymmetry is associated with receptive language skill in autism spectrum disorder. Poster presentation at the 50th Anniversary Celebration of the Center on Human Development and Disability Research Symposium in Seattle, WA.
 36. ~ DesChamps, T.D., Cairney, B.E., **Hudac, C.M.**, Ma, R., Wallace, A.S., Troiani, V., DiCriscio, A.S., Tayplor, C.M., & Bernier, R.A. (May 2017). Atypical neural sensory processing of auditory stimulus change among children with *de novo* disruptive mutations to *SCN2A*. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in San Francisco, CA.
 37. ~ Ma, R., **Hudac, C.M.**, Kresse, A., Naples, A., Faja, S., McPartland, J., & Bernier, R.A. (May 2017). Neural signature of dynamic facial processing in children with ASD. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in San Francisco, CA.
 38. ~ Arnett, A.B., **Hudac, C.M.**, DesChamps, T.D., Ma, R., Cairney, B.E., Wallace, A.S., Gerdts, J., & Bernier, R.A. (May 2017). Reduced frontal P1 amplitude differentiation as a neural signature of speech sound disorder in ASD. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in San Francisco, CA.
 39. ~ Fox, E., Wolken, A., **Hudac, C.M.**, Frye, M., Earl, R.K., Trinh, S., & Bernier, R.A. (May 2017). Clinician-derived social profiles predict play and friendships with peers in children with autism spectrum disorders. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in San Francisco, CA.
 40. **Hudac, C.M.**, DesChamps, T.D., Webb, S.J., & Bernier, R.A. (May 2016). Atypical novelty detection ERP responses associated with genetic but not idiopathic ASD etiologies. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in Baltimore, MD.
 41. Kincade, R.E., **Hudac, C.M.**, Gerdts, J., Eichler, E.E., & Bernier, R.A. (May 2016). Familial contribution to clinical variability in social responsiveness for individuals with disruptive mutations to CHD8 and CHD8

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- target genes. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in Baltimore, MD.
42. Kincade, R.E., **Hudac, C.M.**, Ward, T., Gerdt, J., & Bernier, R.A. (May 2015). Sleep problem profiles of individuals with ASD-associated mutations. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in Salt Lake City, UT.
 43. Chernyavskiy, P., **Hudac, C.M.**, Molfese, D.L., & Marx, D.B. (September 10-12, 2014) Using the spatio-temporal variogram for the classification of electroencephalographic (EEG) assessment. Presented at the 7th International Workshop on Spatio-Temporal Modeling and Research Group for Statistical Applications to Environmental Problems (METMA VII – GRASPA) in Torino, Italy.
 44. **Hudac, C.M.** & Skinner, A.L. (May 22-24, 2014) Arbitrary social decisions moderate the effect of ostracism. Presented at Association for Psychological Science (APS) annual convention in San Francisco, CA.
 45. ~ Damme, K.S., **Hudac, C.M.**, & Molfese, D.L. (May 8-10, 2014). Pubertal Development Modulates Event Related Potential During Gambling Task: Preliminary Data. Presented at Society of Biological Psychiatry annual meeting in New York, NY.
 46. **Hudac, C.M.** & Schutte, A.R. (October 18-19, 2013). Dynamic neural fields models of infant theory of mind. Presented at Cognitive Development Society in Memphis, TN.
 47. **Hudac, C.M.** (October 3, 2013). Correspondence between fMRI and ERP: Evidence for social brain networks involved in theory of mind. Presented at Nebraska Neuroscience Symposium in Omaha, NE.
 48. **Hudac, C.M.**, Haslam, J.A., & Garrison, G.M. (May 23-24, 2013). Modulation of neural mechanisms supporting emotion regulation across pubertal development. Presented at the Midwestern Social Development Consortium annual meeting in Lincoln, NE.
 49. Petersen, I.T., Bates, J.E., Kelsey, K., **Hudac, C.M.**, Kota, S., Cortesa, C., Molfese, D.L., & Staples, A.D. (April 18-20, 2013). Longer P3 Latencies Associated with Externalizing Behavior Problems in Young Children. Presented at the biannual Society for Research in Child Development in Seattle, WA.
 50. Cortesa, C.S., **Hudac, C.M.**, & Molfese, D.L. (October 11, 2012). Brain-Behavior Relationships in Collegiate Athletes: Utility of Event-Related Potentials. Concussion in Athletics: From Brain to Behavior, 2nd Annual Conference. Penn State University Park, State College, PA.
 51. ~ Munsche, H.A., Molfese, D.L., Decker, P.S., Cortesa, C.S., & **Hudac, C.M.** (October 11, 2012). The Effect of mTBI on ERP & Behavioral Measures for College Football Players. Concussion in Athletics: From Brain to Behavior, 2nd Annual Conference. Penn State University Park, State College, PA.
 52. ~ Decker, P.S., Cortesa, C.S., **Hudac, C.M.**, & Molfese, D.L. (October 11, 2012). Concussion Self-Report and Working Memory Function in University Football Players. Concussion in Athletics: From Brain to Behavior, 2nd Annual Conference. Penn State University Park, State College, PA.
 53. **Hudac, C.M.** & Molfese, D.L. (June 26, 2012). Electrophysiological correlates of theory of mind. Presentation at the Maryland Neuroimaging Center Summer Institute on Social Developmental Neuroscience. University of Maryland, College Park, MD.
 54. Molfese, D.L., **Hudac, C.M.**, Cortesa, C., Kota, S., Devlin, L.A., & Radmacher, P. (May 3, 2012). Contrasting the use of MMN and Equal Probability Paradigms to Study Memory in Late Preterm and Term Infants. Presentation at the 6th Conference on Mismatch Negativity (MMN) and Its Clinical and Scientific Applications. The Graduate Center, CUNY, New York, NY.
 55. **Hudac, C.M.**, Petro, N., Meidlinger, K.M., Haslam, R., Kota, S., Nedrow, J.L., & Molfese, D.M. (2012, March). Correction of visual dysfunction following traumatic brain injury during Stroop color-naming task. Presented at the annual Cognitive Neuroscience Society (CNS) Meeting in Chicago, IL.
 56. **Hudac, C.M.**, Shultz, S., Vander Wyk, B.C., & Pelphrey, K.A. (2010, June). Belief Representations Inform Action Understanding in the Posterior Superior Temporal Sulcus Region. Presented at the annual Organization for Human Brain Mapping (OHBM) in Barcelona, Spain.
 57. Vander Wyk, B.C., **Hudac, C.M.**, Cheung, C., Lee, S.M., Berken, A.M., Dillon, M.D., Saulnier, C.A., & Pelphrey, K.A. (2010, May). Category Representation in Autism and Unaffected Siblings. Presented at the annual International Meeting for Autism Research (IMFAR) in Philadelphia, PA.
 58. Jou, R.J., Mateljevic, N., **Hudac, C.M.**, & Pelphrey, K.A. (2010, May). White Matter Abnormalities in Autism Spectrum Disorders: Evidence of Abnormal Neural Connectivity. Presented at the annual International Meeting for Autism Research (IMFAR) in Philadelphia, PA.

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59. **Hudac, C.M.**, Arizpe, J.M., Lee, S.M., Vander Wyk, B.C., Williams, D.L., Minshew, N.J., & Pelphrey, K.A. (2009, May). Self and Other Emotional Reflections in Autism. Presented at the annual International Meeting for Autism Research (IMFAR) in Chicago, IL.
60. Pitskel, N.B., **Hudac, C.M.**, Vander Wyk, B.C., Minshew, N.J., Lantz, S.D., & Pelphrey, K.A. (2009, May). Brain Mechanisms for Processing a Social Approach in Autism. Presented at the annual International Meeting for Autism Research (IMFAR) in Chicago, IL.
61. **Hudac, C.M.**, Vander Wyk, B.C., Sobel, D. M., Perlman, S.B., Minshew, N.J., & Pelphrey, K.A. (2008, October). Brain Mechanisms for Intention Understanding in Individuals with and without Autism. Presented at the Autism Neuroscience Conference in London, U.K.
62. Carter, E.J., **Hudac, C.M.**, Perlman, S.B., Vander Wyk, B.C., Dewhurst, S.G., Minshew, M., & Pelphrey, K.A. (2008, May). Influences of Manipulating Scanpaths on Brain Activity Evoked by Faces in Individuals with and without Autism. Presented at the annual International Meeting for Autism Research (IMFAR) in London, U.K. S
63. Perlman, S.B., **Hudac, C.M.**, Dewhurst, S.G., Vander Wyk, B.C., & Pelphrey, K.A. (2008, May). Brain Mechanisms for Emotion Regulation during Induced Negative Mood. Presented at the annual meeting of Concepts, Actions, and Objects: Functional and Neural Perspectives in Rovereto, Italy.

MEDIA APPEARANCES AND COVERAGE

1. GRIN2B Foundation, GRIN2B Research Corner, July 19, 2021.
<https://www.youtube.com/watch?v=hVa75Ne7YvM&list=PLohWKwYFr0122LvY8T3cQ7XAcvRY480Z4&index=4>
2. GRIN2B Foundation, Facebook live for GRIN2B Awareness week, March 14, 2021
3. Spectrum News
 - a. Angie Voyles Askham, *Studies unravel diversity of traits tied to chromosome 16 mutations*, August 3, 2020, <https://www.spectrumnews.org/news/studies-unravel-diversity-of-traits-tied-to-chromosome-16-mutations/>
 - b. Jessica Wright, *With its target, top autism gene may define a form of the condition*, May 3, 2020, <https://www.spectrumnews.org/news/targets-top-autism-gene-may-define-form-condition/>
 - c. Jessica Wright, *Early life experiences may shift severity of autism*, January 17, 2020, <https://www.spectrumnews.org/news/early-life-experiences-may-shift-severity-autism/>
 - d. *Pitch your thesis*, December 21, 2018, <https://www.spectrumnews.org/features/special-report/pitch-thesis-big-questions-drive-autism-research/>
 - e. Jessica Wright, *Top autism gene may alter sensory perception*, April 16, 2018, <https://www.spectrumnews.org/news/top-autism-gene-may-alter-sensory-perception/>
 - f. Jessica Wright, *Brain biomarkers of autism may vary by genetic cause*, May 15, 2015, <https://www.spectrumnews.org/news/brain-biomarkers-of-autism-may-vary-by-genetic-cause/>
 - g. Jessica Wright, *Adolescence unmask autism traits in girls*, May 17, 2017, <https://www.spectrumnews.org/news/adolescence-unmasks-autism-traits-girls/>

PROFESSIONAL MEMBERSHIPS

American Psychological Association
Cognitive Development Society
International Society for Autism Research
Organization for Human Brain Mapping
Society for Research in Child Development

PROFESSIONAL SERVICE

Steering Director for Carolina Autism and Neurodevelopment (CAN) Research Center	2022-2025
University of South Carolina, Institute for Mind and Brain, Planning committee for annual conference (theme: <i>Social and Emotional Brain</i>)	2023

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University of South Carolina, Institute for Mind and Brain, Executive Committee	2022-2023
Department of Defense, Peer reviewer for Congressionally Directed Medical Research Programs (CDMRP)	2022
National Institutes of Health (NIH) , Peer reviewer, <i>ad hoc</i>	2022
FamiliesSCN2A Scientific Advisory Board	2020-present
GRIN2B Foundation, Grant review	2020-present
University of Alabama, Center for Youth Development and Intervention, Grant review committee	2020-2022
University of Alabama, Experimental Program member (Subcommittee: Recruitment)	2020-2022
University of Alabama, Department of Psychology Undergraduate Curriculum Committee	2020-2022
University of Alabama, Biomedical Research Integrity Chair	2020-2022
University of Alabama, Department of Psychology Grant Review Seminar	2019-2022
University of Alabama, Graduate Student Write Club Coordinator	2019-2022
University of Washington Department of Psychiatry and Behavioral Sciences, Research Retreat Planning Committee	2018
International Society for Autism Research, Communication Committee	2017
University of Washington Postdoctoral Association, Co-Chair	2015-2017
Bernier Lab Journal Club Coordinator	2014-2019
University of Nebraska Lincoln, Department of Psychology, Developmental Issues Group Coordinator	2012-2013
University of Nebraska Lincoln, Department of Psychology, Colloquia Committee Member	2011-2014

AD-HOC REVIEWER

Attention, Perception, & Psychophysics (1 a year)
Autism Research (2-3 a year)
Biological Psychology (1-3 a year)
Cortex (1-3 a year)
Developmental Science (1-3 a year)
Developmental Neuropsychology (1-3 a year)
Eye Tracking Research and Applications (1-2 a year)
Journal for Autism and Developmental Disorders (3-5 a year)
Journal of Neurodevelopmental Disorders (1-3 a year)
NeuroImage (1-3 a year)
Pediatric Neurology (1-3 a year)

TEACHING INTERESTS AND ACCOMPLISHMENTS

Teaching Areas of Expertise: Developmental Psychology (Infancy, Child, Life Span), Affective Neuroscience, Human Cognitive Neuroscience, Social Cognition, Sensation and Perception

Courses taught and lectures at University of South Carolina

Department of Psychology, University of South Carolina
Affective Neuroscience (PYSC 888): Spring 2023

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Guest lectures

Autism genetics (PSYC 589): Spring 2023

Brain development: How does it change? How do we measure it? (PSYC 520): Fall 2022

Courses taught and lectures at University of Alabama

Department of Psychology

Developmental Psychology (PY 352): Fall 2019, Spring 2020, Fall 2020

Undergraduate Research (PY 451): Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022

Affective Neuroscience (PY 630): Spring 2021, Spring 2022

Developmental Contemporary Issues (PY 625): Spring 2021

Guest lectures

Brain, gene and biomarkers: Understanding learning mechanisms in ASD (BEP 600): Spring 2020

Courses taught and lectures at University of Washington

Guest lectures

Early Cognitive and Linguistic Development (PSYCH 514): Fall 2018

Autism 501: Understanding Autism (EDPSYC 501): Fall 2017, Fall 2018

Core Concepts: Early Social Cognition in Typical Development and Autism (PSYC 516): Fall 2017

Courses taught and lectures at University of Nebraska, Lincoln

Department of Psychology

Developmental Psychology (PSYC 289): Summer 2012, Summer 2013

Guest lectures

Child Behavior and Development (PSYC 489/889): Spring 2013, Spring 2014

Perception (PSYC 463/863): Spring 2012, Spring 2013, Spring 2014

Ongoing seminars conducted

Write Club, University of South Carolina 2022-present

Weekly special interest discussion groups, University of South Carolina

Inclusion in Neuroscience (2022-present)

Write Club, Center for Youth Development and Intervention, University of Alabama 2019-2022

Weekly special interest discussion groups, University of Alabama

Inclusion in Neuroscience (2020-2022)

EEG hands-on preprocessing training (2019-present)

Social motivation (2020-2021)

Facial emotion recognition (2020-2021)

Social attention and social motivation (2019-2020)

Neuroaesthetics (2019-2020)

Genetic etiology (2019-2020)

Workshops conducted

Institute for Mind and Brain, University of South Carolina

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Background and Basics to EEG (1 day): January 2022

Center for Youth Development and Intervention, University of Alabama

Hands-on Basics of EEG (0.5 day): March 2021, April 2021

Background and Basics to EEG (1 day): September 2019, March 2021, April 2021

Vinmec International Hospital; Vinmec Research Institute of Stem Cell and Gene Technology, Hanoi, Vietnam

Autism Training Program (5 days): March 2018

Center on Human Development and Disability, University of Washington

Electroencephalography and Eye tracking Theory and Acquisition (2 days): November 2015, August 2016, April 2017, May 2017, April 2018

Department of Psychology, University of Nebraska-Lincoln

Introduction to Event-Related Potentials (2 days): January 2011, May 2012, August 2012

BOLD and MRI Basics (1 day): June 2011

Introduction to Neuroimaging (2 days): September 2011, August 2012, February 2013

Graduate students: Serving on thesis committee

1. Rebecca Revilla, M.A., University of South Carolina (2023); Chair of Comprehensive Exam
2. Rachel Hantman, B.A., University of South Carolina (2022-present); Master's defended 2022
3. Allison Birnschein, M.A., University of Alabama (2022-present); Master's
4. Cailee Nelson, M.A., University of Alabama (2022-present); Dissertation
5. Erin Libsack, B.A., M.A., Stony Brook University (2022-present); Dissertation
6. Justin Wahlers, B.A., University of Alabama (2022-present); Master's
7. Nicole Friedman, B.A., University of Alabama (2021-2022); Master's defended 2022
8. Brandon McCormick, M.A., University of Alabama (2021-present); Dissertation
9. Elizabeth Bownes, B.A., M.A., University of Alabama (2020-present); Dissertation defended 2022
10. Nicole Ferretti Greenberg, B.A., M.A., University of Alabama (2020-2022); Dissertation defended 2022
11. Mary Michael Knight, B.A., University of Alabama (2020-present); Master's defended 2022
12. Grace Lee Simmons, B.A., M.A., University of Alabama (2019-present); Dissertation defended 2022
13. Joshua Golt, B.A., University of Alabama (2019-present); Master's defended 2022

Postdoctoral scholars trained

1. Anne Arnett, Ph.D., University of Washington, Department of Psychiatry & Behavioral Sciences
2. Hannah Rea, Ph.D., University of Washington, Department of Psychiatry & Behavioral Sciences

Graduate students & post-baccalaureate scholars trained / supervised

1. Rebecca Revilla, M.A., University of Alabama, Department of Psychology (2022-present)
2. Nicole Friedman, B.A., University of Alabama, Department of Psychology (2020-2022)
3. Kathryn Kimpel, B.A., University of Washington, School of Medicine (2018)
4. Kelsey Loy, B.A., University of Washington, School of Medicine (2017)
5. Monique Mahony, B.A., University of Washington, Department of Psychiatry & Behavioral Sciences (2017-2019)
6. Brianna Slattery, B.A., University of Washington, Department of Psychiatry & Behavioral Sciences (2016-2018)
7. Ruqian Ma, M.A., University of Washington, Department of Psychology (2015-2017)
8. Trent DesChamps, B.A., University of Washington, Department of Psychology (2014-2017)
9. Laura Blok, B.A., Radboud university medical center, Department of Human Genetics (2016)
10. Sarah Schoenbrun, B.A., University of Washington, School of Medicine (2015)
11. Kyleen Luhrs, B.A., University of Washington, School of Medicine (2014)

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Undergraduate students honors theses and research projects supervised

1. Mariana Orihuela, University of South Carolina (2023), Honors College funding for research
2. Isabelle Combs, University of Alabama (2020-2022)
 - ** Received Andy Reaves Memorial Award
 - ** Thesis accepted into undergraduate research journal, JOSHUA
3. Abby Williams, University of Alabama (2019-2022)
 - ** awarded Emerging Scholars fellowship
4. Katherine Wadhvani, University of Washington (2018-present)
 - ** awarded Jeremy Clark Fellowship
5. Sherief Eldeeb, Clark University (2017)
6. Nathan Petro, University of Nebraska-Lincoln (2010-2012)
7. Jonathan Haslam, University of Nebraska-Lincoln (2011-2014)
8. Grant Garrison, University of Nebraska-Lincoln (2011-2014)
9. Rajapillai Pillai, Yale University (2009-2010); co-supervised with Dr. Kevin Pelphrey
10. Rosibel Hernandez, Yale University (2009-2010); co-supervised with Dr. Kevin Pelphrey

Undergraduate research assistants (“interns”) in B-RAD Lab

University of South Carolina interns (2022-2023): Ashlan Cheever, Josh Estrada, Janae Hersey, Maggie Johnson, Matthew McCall, Jackson McFadden, Mariana Orihuela, Danielle Raynor, Cecilia Thomas

University of Alabama interns (2021-2022): Grace Dorsey, Thomas Duff, Zion Harkley, Ja’Lynn Harris, Johsua Hernandez, Skyler Hughes, McKenna Marino, Olivia Mathis, Delaney Stouder, Abby Williams

University of Alabama interns (2020-2021): Ryan Barash, Taryn Crone, Grace Dorsey, John Eddins, Rachel Esteicher, Victoria Gurol, Joshua Hernandez, Ja’Lynn Harris, Skyler Hughes, Madeleine Kirby, Caleb Simon, Abby Williams

University of Alabama interns (2019-2020): Megan Albert, Brenton Bicknell, Grace Byrne, Lani Deboer, Ariyana Dyer, John Eddins, Joshua Hernandez, Kierra Irby, Kicky O’Keefe, Nena Stallworth, Camryn Snowden, Makaylah Taylor, Sydney Whalen, Abby Williams

COMPUTER AND EQUIPMENT EXPERTISE

EEG / ERP systems: High-density EEG (Electrical Geodesics, Inc.)

EEG / ERP analysis: NetStation, EEGLab, customized programs

EEG / ERP source analysis: GeoSource (Electrical Geodesics, Inc.)

MRI imaging systems: Siemens 3T TIM Trio, Siemens 3T MAGNETOM Allegra

MRI imaging analysis: AFNI, Brain Voyager QX, BiImage Suite, FSL, SPM8, customized programs

Near-infrared spectroscopy systems: Hitachi ETC4000, NIRx, customized systems

Eye-tracking systems: Tobii T60, Tobii TX300, ISCAN, ASL, Smart Eye DR 120, Eye Link 1000 Plus

Programming environments and statistical packages: SAS, SPSS, MATLAB, R / R Studio, E-Prime 1.0 and 2.0, Stim Presentation, Presentation, CIGAL

Motion tracker system: PST MoTrak

Video and photo editing: Final Cut Pro; Adobe Photoshop, Flash, Illustrator, Standard, Dreamweaver

Basic processing: Microsoft Office including Word, Excel, PowerPoint, Publisher, FrontPage; EndNote; Papers