



Allan L. Reiss

Howard C. Robbins Professor of Psychiatry and Behavioral Sciences and
Professor of Radiology

Psychiatry and Behavioral Sciences - Interdisciplinary Brain Sciences

CLINICAL OFFICE (PRIMARY)

- **Psychiatry and Behavioral Sciences**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Lucia Gutierrez - Senior Administrative Assistant

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Bio

CLINICAL FOCUS

- Psychiatry
- Psychiatry, Child and Adolescent
- Neurodevelopmental and neurogenetic disorders

ACADEMIC APPOINTMENTS

- Professor, Psychiatry and Behavioral Sciences - Interdisciplinary Brain Sciences
- Professor, Radiology
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Division of Child and Adolescent Psychiatry, (1997-2005)
- Associate Chair, Department of Psychiatry and Behavioral Sciences, (2002-2011)
- Vice Chair, Department of Psychiatry and Behavioral Sciences, (2011-2016)
- Director, Division of Interdisciplinary Brain Sciences, (1997-2024)
- Member, Wu Tsai Neurosciences Institute, (2013- present)
- Member, Stanford Diabetes Research Center, (2018- present)

HONORS AND AWARDS

- B.A. "with Distinction", Swarthmore College (1977)
- Phi Beta Kappa, Swarthmore College (1977)

- Alpha Omega Alpha, George Washington University School of Medicine (1981)
- Merck Academic Achievement Award, George Washington University School of Medicine (1981)
- Clinician Scientist Award, Johns Hopkins University School of Medicine (1987)
- Travel Award, American College of Neuropsychopharmacology (1988)
- Faculty Teaching Award, Johns Hopkins University School of Medicine Division of Child Psychiatry (1990)
- Distinguished Alumni Achievement Award, George Washington University School of Medicine (1998)
- Spirit of Excellence Award for Lifetime Achievements, National Fragile X Foundation (2004)
- George Tarjan Award for Contributions in Developmental Disabilities, American Academy of Child & Adolescent Psychiatry (2005)
- Ruane Prize for Outstanding Achievement in Child and Adolescent Psychiatric Research, Brain and Behavior Research Foundation (formerly NARSAD) (2005)
- Elected to National Academy of Medicine (formerly Institute of Medicine), National Academies of Science (2009)
- Distinguished Professional Award, Turner Syndrome Society of the United States (2012)
- Agnes Purcell McGavin Award for Distinguished Career Achievement in Child and Adolescent Psychiatry, American Psychiatry Association (2016)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Elected Member, National Academy of Medicine (2009 - present)
- Medical Advisory Board, Turner Syndrome Foundation (2010 - 2020)
- Scientific Advisory Board, Seaver Autism Center for Research And Treatment (2011 - 2018)
- Director, Stanford site, Fragile X Clinical and Research Consortium, National Fragile X Foundation (2011 - present)
- Regular member and Chair, Developmental Brain Disorders NIH/CSR Study Section (2013 - 2016)
- Professional Advisory Board, Turner Syndrome Society of the United States (2013 - 2020)
- Professional Advisory Committee, Association for X and Y Chromosome Variations (2018 - present)

PROFESSIONAL EDUCATION

- Residency: Stanford University School of Medicine (1986) CA
- Medical Education: George Washington University Medical School (1981) DC
- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (1987)
- Board Certification: Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology (1988)
- Residency: Children's Hospital National Medical Center (1984) DC
- Internship: Univ Of CO Health Science Center (1982) CO
- B.A., Swarthmore College, Psychobiology (1977)
- M.D., George Washington University, Medicine (1981)

LINKS

- My Lab Site: <http://cibsr.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Allan L. Reiss, M.D. is the Howard C. Robbins Professor in the Department of Psychiatry and Behavioral Sciences and Director of the Center for Interdisciplinary Brain Sciences Research (CIBSR) at Stanford University School of Medicine. Dr. Reiss uses advanced research methods and tools such as multi-modal neuroimaging, genetic analyses and neurobehavioral assessment to focus on neurodevelopmental and neurogenetic disorders of childhood onset. In particular, he studies how genetic and environmental factors affect brain structure and function, and how this ultimately impacts

the development and function of persons with these disorders. Dr. Reiss has worked extensively with individuals affected by neurogenetic and medical disorders that increase risk for serious cognitive and behavioral dysfunction including fragile X syndrome, sex chromosome variation (e.g., Turner and Klinefelter syndromes), Williams syndrome, 22q deletion syndrome, type 1 diabetes and preterm birth. A particularly important focus of this work is identifying gene-environment-brain-behavior interactions that have relevance to the development of more specific and effective interventions.

A second major research focus of the CIBSR is on the neuroscience of typical human cognitive-behavioral function. Work in this area includes studies of the brain basis of humor, creativity, social interaction, executive function, resilience, driving and territorial behavior. These studies are designed to advance our understanding of biological and environmental factors that influence human behavior with the overarching goal of improving quality of life.

Dr. Reiss' laboratory and key collaborations serve as a model for interdisciplinary brain sciences collaboration. Research in the laboratory is carried out, or facilitated by faculty and staff from numerous fields including psychiatry, neurology, psychology, neuroscience, genetics, radiology, computer science, special education and statistics. The CIBSR is dedicated to the concept that direct interaction among individuals from these multiple disciplines will serve as the engine for substantive progress in our field.

CLINICAL TRIALS

- Assessment and Rehabilitation of Cognitive Impairments in Pediatric Survivors of Cancer, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Research Mentor

Qianheng Ma

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Molecular and Genetic Medicine (Fellowship Program)
- Neurosciences (Phd Program)
- Psychiatry and Behavioral Science (Fellowship Program)

Publications

PUBLICATIONS

- **Differences in White Matter Microstructure in Children With Type 1 Diabetes Persist During Longitudinal Follow-up: Relation to Dysglycemia.** *Diabetes*
Mauras, N., Ma, Q., Weinzimer, S. A., White, N. H., Tsalkian, E., Buckingham, B., Fox, L. A., Tamborlane, W., Arbelaez, A. M., Tansey, M., Aye, T., Cato, A., Hershey, et al
2025
- **Longitudinal changes in functional neural activation and sensitization during face processing in fragile X syndrome.** *Biological psychiatry*
Gao, Y., Li, R., Ma, Q., Bartholomay, K. L., Lightbody, A. A., Reiss, A. L.
2024
- **Association of Intrinsic Functional Brain Network and Longitudinal Development of Cognitive-Behavioral Symptoms in Young Girls with Fragile X Syndrome.** *Biological psychiatry*
Li, R., Lightbody, A. A., Lee, C. H., Bartholomay, K. L., Marzelli, M. J., Reiss, A. L.
2023
- **Virtual (Zoom) Interactions Alter Conversational Behavior and Inter-Brain Coherence.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Balters, S., Miller, J. G., Li, R., Hawthorne, G., Reiss, A. L.

2023

- **A Pilot randomized trial to examine effects of a hybrid closed-loop insulin delivery system on neurodevelopmental and cognitive outcomes in adolescents with type 1 diabetes.** *Nature communications*
Reiss, A. L., Jo, B., Arbelaez, A. M., Tsalikian, E., Buckingham, B., Weinzimer, S. A., Fox, L. A., Cato, A., White, N. H., Tansey, M., Aye, T., Tamborlane, W., Englert, et al
2022; 13 (1): 4940
- **Dynamic Inter-Brain Synchrony in Real-life Inter-Personal Cooperation: A Functional Near-infrared Spectroscopy Hyperscanning Study.** *NeuroImage*
Li, R., Maysseless, N., Balters, S., Reiss, A. L.
2021: 118263
- **Impact of Type 1 Diabetes in the Developing Brain in Children: A Longitudinal Study.** *Diabetes care*
Mauras, N., Buckingham, B., White, N. H., Tsalikian, E., Weinzimer, S. A., Jo, B., Cato, A., Fox, L. A., Aye, T., Arbelaez, A. M., Hershey, T., Tansey, M., Tamborlane, et al
2021
- **Aberrant Neural Response During Face Processing in Girls with Fragile X Syndrome: Defining Potential Brain Biomarkers for Treatment Studies.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
Li, R., Bruno, J. L., Jordan, T., Miller, J. G., Lee, C. H., Bartholomay, K. L., Marzelli, M. J., Piccirilli, A., Lightbody, A. A., Reiss, A. L.
2021
- **X-chromosome insufficiency alters receptive fields across the human early visual cortex.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Green, T., Hosseini, H., Piccirilli, A., Ishak, A., Grill-Spector, K., Reiss, A. L.
2019
- **Real-life creative problem solving in teams: fNIRS based hyperscanning study.** *NeuroImage*
Maysseless, N. n., Hawthorne, G. n., Reiss, A. L.
2019: 116161
- **Brain Development in School-Age and Adolescent Girls: Effects of Turner Syndrome, Estrogen Therapy, and Genomic Imprinting.** *Biological psychiatry*
O'Donoghue, S. n., Green, T. n., Ross, J. L., Hallmayer, J. n., Lin, X. n., Jo, B. n., Huffman, L. C., Hong, D. S., Reiss, A. L.
2019
- **Towards a new approach to reveal dynamical organization of the brain using topological data analysis** *NATURE COMMUNICATIONS*
Saggar, M., Sporns, O., Gonzalez-Castillo, J., Bandettini, P. A., Carlsson, G., Glover, G., Reiss, A. L.
2018; 9: 1399
- **Longitudinal identification of clinically distinct neurophenotypes in young children with fragile X syndrome.** *Proceedings of the National Academy of Sciences of the United States of America*
Bruno, J. L., Romano, D. n., Mazaika, P. n., Lightbody, A. A., Hazlett, H. C., Piven, J. n., Reiss, A. L.
2017
- **Changes in Brain Activation Associated with Spontaneous Improvization and Figural Creativity After Design-Thinking-Based Training: A Longitudinal fMRI Study.** *Cerebral cortex*
Saggar, M., Quintin, E., Bott, N. T., Kienitz, E., Chien, Y., Hong, D. W., Liu, N., Royalty, A., Hawthorne, G., Reiss, A. L.
2016
- **Specific effect of the fragile-X mental retardation-1 gene (FMR1) on white matter microstructure** *BRITISH JOURNAL OF PSYCHIATRY*
Green, T., Barnea-Goraly, N., Raman, M., Hall, S. S., Lightbody, A. A., Bruno, J. L., Quintin, E., Reiss, A. L.
2015; 207 (2): 143-148
- **Longitudinal Assessment of Neuroanatomical and Cognitive Differences in Young Children With Type 1 Diabetes: Association With Hyperglycemia** *DIABETES*
Mauras, N., Mazaika, P., Buckingham, B., Weinzimer, S., White, N. H., Tsalikian, E., Hershey, T., Cato, A., Cheng, P., Kollman, C., Beck, R. W., Ruedy, K., Aye, et al
2015; 64 (5): 1770-1779

- **Pictionary-based fMRI paradigm to study the neural correlates of spontaneous improvisation and figural creativity.** *Scientific reports*
Saggar, M., Quintin, E., Kienitz, E., Bott, N. T., Sun, Z., Hong, W., Chien, Y., Liu, N., Dougherty, R. F., Royalty, A., Hawthorne, G., Reiss, A. L.
2015; 5: 10894-?
- **Cognitive and neurological aspects of sex chromosome aneuploidies** *LANCET NEUROLOGY*
Hong, D. S., Reiss, A. L.
2014; 13 (3): 306-318
- **Neuroanatomical correlates of dysglycemia in young children with type 1 diabetes.** *Diabetes*
Marzelli, M. J., Mazaika, P. K., Barnea-Goraly, N., Hershey, T., Tsalikian, E., Tamborlane, W., Mauras, N., White, N. H., Buckingham, B., Beck, R. W., Ruedy, K. J., Kollman, C., Cheng, et al
2014; 63 (1): 343-353
- **SCIENCE AND SOCIETY The neural basis of humour processing** *NATURE REVIEWS NEUROSCIENCE*
Vrticka, P., Black, J. M., Reiss, A. L.
2013; 14 (12): 860-868
- **The neural basis of humour processing.** *Nature reviews. Neuroscience*
Vrticka, P., Black, J. M., Reiss, A. L.
2013; 14 (12): 860-868
- **Region-specific alterations in brain development in one- to three-year-old boys with fragile X syndrome** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Hoeft, F., Carter, J. C., Lightbody, A. A., Hazlett, H. C., Piven, J., Reiss, A. L.
2010; 107 (20): 9335-9339
- **Genetic Influences on Sociability: Heightened Amygdala Reactivity and Event-Related Responses to Positive Social Stimuli in Williams Syndrome** *JOURNAL OF NEUROSCIENCE*
Haas, B. W., Mills, D., Yam, A., Hoeft, F., Bellugi, U., Reiss, A.
2009; 29 (4): 1132-1139
- **Gender differences in the mesocorticolimbic system during computer game-play** *JOURNAL OF PSYCHIATRIC RESEARCH*
Hoeft, F., Watson, C. L., Kesler, S. R., Bettinger, K. E., Reiss, A. L.
2008; 42 (4): 253-258
- **Sex differences in brain activation elicited by humor** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Azim, E., Mobbs, D., Jo, B., Menon, V., Reiss, A. L.
2005; 102 (45): 16496-16501
- **COMT genotype predicts longitudinal cognitive decline and psychosis in 22q11.2 deletion syndrome** *NATURE NEUROSCIENCE*
Gothelf, D., Eliez, S., Thompson, T., Hinard, C., Penniman, L., Feinstein, C., Kwon, H., Jin, S. T., Jo, B., Antonarakis, S. E., Morris, M. A., Reiss, A. L.
2005; 8 (11): 1500-1502
- **Atypical inter-brain synchrony and social communication deficits in girls with fragile X syndrome: Evidence from functional near-infrared spectroscopy hyperscanning.** *European child & adolescent psychiatry*
Li, R., Dybvik, H., Feng, D., Eng, C. M., Lee, C. H., Bartholomay, K. L., Zhang, Y., Lightbody, A. A., Reiss, A. L.
2026
- **Gene dosage effects of 22q11.2 copy number variants on in-vivo measures of white matter axonal density and dispersion.** *Molecular psychiatry*
Boen, R., Villalón-Reina, J. E., Kushan, L., O'Hara, K. P., Fung, H., Parker, N., Akkouch, I. A., Alnæs, D., O'Hara, R., Marzelli, M. J., Foland-Ross, L., Chick, C. F., Cotto, et al
2026
- **Relationship between X chromosome mosaicism, neuroanatomy and cognitive performance in females.** *bioRxiv : the preprint server for biology*
Karipidis, I. I., Klabunde, M., Jordan, T., Chromik, L., Hosseini, S. M., Reiss, A. L., Hong, D. S.
2026

- **A semi-supervised clustering approach for prediction and inference with multidimensional longitudinal outcomes** *HEALTH SERVICES AND OUTCOMES RESEARCH METHODOLOGY*
Jo, B., Hastie, T. J., Li, Z., Ma, Q., Foland-Ross, L. C., Mauras, N., Reiss, A. L.
2025
- **Atypical Inter-Brain Synchrony and Social Communication Deficits in Girls with Fragile X Syndrome: Evidence from Functional Near-infrared Spectroscopy Hyperscanning.** *Research square*
Li, R., Dybvik, H., Feng, D., Eng, C., Lee, C. H., Bartholomay, K. L., Zhang, Y., Lightbody, A. A., Reiss, A. L.
2025
- **Distinct and shared intrinsic resting-state functional networks in children with idiopathic autism spectrum disorder and fragile X syndrome.** *Molecular psychiatry*
Li, D., Feng, D., Hu, C., Tian, Y., Reiss, A. L., Hagerman, R. J., Xu, X., Qiao, Z., Li, R., Xu, Q.
2025
- **Aberrant neural activation during inhibitory control in girls with fragile X syndrome.** *Cerebral cortex (New York, N.Y. : 1991)*
Gao, Y., Li, R., Ma, Q., Bartholomay, K. L., Lightbody, A. A., Reiss, A. L.
2025; 35 (7)
- **Gene dosage effects of 22q11.2 copy number variants on in-vivo measures of white matter axonal density and dispersion.** *bioRxiv : the preprint server for biology*
Boen, R., Villalón-Reina, J. E., Kushan, L., O'Hara, K. P., Fung, H., Parker, N., Akkouh, I. A., Alnæs, D., O'Hara, R., Marzelli, M. J., Foland-Ross, L., Chick, C. F., Cotto, et al
2025
- **Social, Emotional, and Behavioral Functioning in Adolescents with Klinefelter Syndrome.** *Journal of developmental and behavioral pediatrics : JDBP*
Jünger, A. L., Lasecke, M., Foland-Ross, L. C., Jordan, T. L., Sundstrom, J. L., Wun, V. L., Witkin, G. A., Ikomi, C., Ross, J., Reiss, A. L.
2025
- **Neuroanatomical alterations in young boys and adolescents with Klinefelter syndrome.** *Psychiatry research. Neuroimaging*
Foland-Ross, L. C., Jordan, T. L., Marzelli, M. J., Ross, J. L., Reiss, A. L.
2024; 346: 111929
- **Alterations in cortical and subcortical neuroanatomy and associations with behavior in females with fragile X syndrome.** *Developmental medicine and child neurology*
Bartholomay, K. L., Jordan, T. L., Foland-Ross, L. C., Kendall, N., Lightbody, A. A., Reiss, A. L.
2024
- **Cognitive and Social-Emotional Development in Girls With Fragile X Syndrome.** *Pediatrics*
Bartholomay, K. L., Lightbody, A. A., Ma, Q., Jo, B., Jordan, T. L., Reiss, A. L.
2024
- **PUBERTAL DIFFERENCES IN BOYS WITH KLINEFELTER SYNDROME AND TYPICALLY DEVELOPING PEERS**
Ikomi, C., Reynolds, V., Foland-Ross, L., Kowal, K., Reiss, A. L., Ross, J.
KARGER.2024: 148-149
- **Alterations in Neural Activation During Facial Emotion Processing in Adolescent Male Participants With Klinefelter Syndrome.** *Journal of developmental and behavioral pediatrics : JDBP*
Vreeland, A., Reiss, A. L., Ross, J., Foland-Ross, L. C.
2024
- **Associations between brain network, puberty, and behaviors in boys with Klinefelter syndrome.** *European child & adolescent psychiatry*
Li, R., Foland-Ross, L. C., Jordan, T., Marzelli, M. J., Ross, J. L., Reiss, A. L.
2024
- **Childhood exposure to organophosphate pesticides: functional connectivity and working memory in adolescents.** *Neurotoxicology*
Gao, Y., Li, R., Ma, Q., Baker, J. M., Rauch, S., Gunier, R. B., Mora, A. M., Kogut, K., Bradman, A., Eskenazi, B., Reiss, A. L., Sagiv, S. K.
2024
- **Prenatal and childhood exposure to organophosphate pesticides and functional brain imaging in young adults.** *Environmental research*

- Sagiv, S. K., Baker, J. M., Rauch, S., Gao, Y., Gunier, R. B., Mora, A. M., Kogut, K., Bradman, A., Eskenazi, B., Reiss, A. L.
2023; 117756
- **Cognition, academic achievement, and adaptive behavior in school-aged girls with fragile X syndrome.** *Research in developmental disabilities*
Jordan, T. L., Bartholomay, K. L., Lee, C. H., Lightbody, A. A., Reiss, A. L.
2023; 143: 104622
 - **Neural responses to gender-based microaggressions in academic medicine.** *Journal of neuroscience research*
Balters, S., Foland-Ross, L. C., Bruno, J., Periyakoil, V. S., Valantine, H., Reiss, A. L.
2023
 - **Cognition, Academic Achievement, Adaptive Behavior, and Quality of Life in Child and Adolescent Boys with Klinefelter Syndrome.** *Journal of developmental and behavioral pediatrics : JDBP*
Jordan, T. L., Foland-Ross, L. C., Wun, V. L., Ross, J. L., Reiss, A. L.
2023; 44 (7): e476-e485
 - **Executive dysfunction in Klinefelter syndrome: associations with brain activation and testicular failure.** *The Journal of clinical endocrinology and metabolism*
Foland-Ross, L. C., Ghasemi, E., Wun, V. L., Aye, T., Kowal, K., Ross, J., Reiss, A. L.
2023
 - **Novel effects of Ras-MAPK pathogenic variants on the developing human brain and their link to gene expression and inhibition abilities.** *Translational psychiatry*
Rai, B., Naylor, P. E., Siqueiros-Sanchez, M., Wintermark, M., Raman, M. M., Jo, B., Reiss, A. L., Green, T.
2023; 13 (1): 245
 - **A Twin Study of Altered White Matter Heritability in Youth With Autism Spectrum Disorder.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Hegarty, J. P., Monterrey, J. C., Tian, Q., Cleveland, S. C., Gong, X., Phillips, J. M., Wolke, O., McNab, J. A., Hallmayer, J., Reiss, A. L., Hardan, A. Y., Lazzeroni, L. C.
2023
 - **A PILOT TO INVESTIGATE RESTING STATE IN PATIENTS WITH SICKLE CELL DISEASE POST STEM CELL TRANSPLANT**
Alva, H., Marzelli, M., Foland-Ross, L., Porteus, M., Reiss, A.
WILEY.2023: S168
 - **Neuropsychiatric phenotypes in children with Noonan syndrome.** *Developmental medicine and child neurology*
Naylor, P. E., Bruno, J. L., Shrestha, S. B., Friedman, M., Jo, B., Reiss, A. L., Green, T.
2023
 - **Adolescent brain development in girls with Turner syndrome.** *Human brain mapping*
Lozano Wun, V., Foland-Ross, L. C., Jo, B., Green, T., Hong, D., Ross, J. L., Reiss, A. L.
2023
 - **Social gaze behavior and hyperarousal in young females with fragile X syndrome: A within-person approach** *DEVELOPMENT AND PSYCHOPATHOLOGY*
Miller, J. G., Sharifi, R., Piccirilli, A., Li, R., Lee, C. H., Bartholomay, K. L., Jordan, T. L., Marzelli, M. J., Bruno, J. L., Lightbody, A. A., Reiss, A. L.
2023
 - **Social gaze behavior and hyperarousal in young females with fragile X syndrome: A within-person approach.** *Development and psychopathology*
Miller, J. G., Sharifi, R., Piccirilli, A., Li, R., Lee, C. H., Bartholomay, K. L., Jordan, T. L., Marzelli, M. J., Bruno, J. L., Lightbody, A. A., Reiss, A. L.
2023: 1-12
 - **Aerobic Exercise, Cognitive Performance, and Brain Activity in Adolescents with Attention-Deficit/Hyperactivity Disorder.** *Medicine and science in sports and exercise*
Van Riper, S. M., Tempest, G. D., Piccirilli, A., Ma, Q., Reiss, A. L.
2023
 - **Expressing appreciation is linked to interpersonal closeness and inter-brain coherence, both in person and over Zoom.** *Cerebral cortex (New York, N.Y. : 1991)*

- Balters, S., Miller, J. G., Reiss, A. L.
2023
- **Novel effects of Ras-MAPK pathogenic variants on the developing human brain and their link to gene expression and inhibition abilities.** *Research square*
Rai, B., Naylor, P., Sanchez, M. S., Wintermark, M., Raman, M., Jo, B., Reiss, A., Green, T.
2023
 - **Longitudinal investigation of cognition, social competence, and anxiety in children and adolescents with Turner syndrome.** *Hormones and behavior*
Jordan, T. L., Klabunde, M., Green, T., Hong, D. S., Ross, J. L., Jo, B., Reiss, A. L.
2023; 149: 105300
 - **Current opinions on the present and future use of functional near-infrared spectroscopy in psychiatry.** *Neurophotonics*
Li, R., Hosseini, H., Saggar, M., Balters, S. C., Reiss, A. L.
2023; 10 (1): 013505
 - **Design science and neuroscience: A systematic review of the emergent field of Design Neurocognition** *DESIGN STUDIES*
Balters, S., Weinstein, T., Mayseless, N., Auernhammer, J., Hawthorne, G., Steinert, M., Meinel, C., Leifer, L. J., Reiss, A. L.
2023; 84
 - **Anxiety, Depression, and Social Skills in Girls with Fragile X Syndrome: Understanding the Cycle to Improve Outcomes.** *Journal of developmental and behavioral pediatrics : JDBP*
Lightbody, A. A., Bartholomay, K. L., Jordan, T. L., Lee, C. H., Miller, J. G., Reiss, A. L.
2022
 - **Pesticide exposure and cortical brain activation among farmworkers in Costa Rica.** *Neurotoxicology*
Mora, A. M., Baker, J. M., Hyland, C., Rodriguez-Zamora, M. G., Rojas-Valverde, D., Winkler, M. S., Staudacher, P., Palzes, V. A., Gutierrez-Vargas, R., Lindh, C., Reiss, A. L., Eskenazi, B., Fuhrmann, et al
2022
 - **Cortical activation predicts posttraumatic improvement in youth treated with TF-CBT or CCT.** *Journal of psychiatric research*
Espil, F. M., Balters, S., Li, R., McCurdy, B. H., Kletter, H., Piccirilli, A., Cohen, J. A., Weems, C. F., Reiss, A. L., Carrion, V. G.
2022; 156: 25-35
 - **Impact of dysglycemia and obesity on the brain in adolescents with and without type 2 diabetes: A pilot study.** *Pediatric diabetes*
Snyder, L. L., Foland-Ross, L. C., Cato, A., Reiss, A. L., Shah, C., Hossain, J., Elmufiti, H., Nelly Mauras
2022
 - **Syndrome specific neuroanatomical phenotypes in girls with Turner and Noonan Syndromes.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
Sanchez, M. S., Rai, B., Chowdhury, S., Reiss, A. L., Green, T.
2022
 - **Towards assessing subcortical "deep brain" biomarkers of PTSD with functional near-infrared spectroscopy.** *Cerebral cortex (New York, N.Y. : 1991)*
Balters, S., Schlichting, M. R., Foland-Ross, L., Brigadoi, S., Miller, J. G., Kochenderfer, M. J., Garrett, A. S., Reiss, A. L.
2022
 - **Concurrent fNIRS and EEG for Brain Function Investigation: A Systematic, Methodology-Focused Review.** *Sensors (Basel, Switzerland)*
Li, R., Yang, D., Fang, F., Hong, K. S., Reiss, A. L., Zhang, Y.
2022; 22 (15)
 - **Aberrant brain network and eye gaze patterns during natural social interaction predict multi-domain social-cognitive behaviors in girls with fragile X syndrome.** *Molecular psychiatry*
Li, R., Bruno, J. L., Lee, C. H., Bartholomay, K. L., Sundstrom, J., Piccirilli, A., Jordan, T., Miller, J. G., Lightbody, A. A., Reiss, A. L.
2022
 - **Exposure to DDT and DDE and functional neuroimaging in adolescents from the CHAMACOS cohort.** *Environmental research*
Binter, A., Mora, A. M., Baker, J. M., Bruno, J. L., Kogut, K., Rauch, S., Reiss, A. L., Eskenazi, B., Sagiv, S. K.
2022: 113461

- **The Intriguing Role of Thalamic Structure and Function in Youth With and at Familial Risk for Bipolar Disorder**
Singh, M., Gorelik, A., Gorelik, M., Chang, K., Gotlib, I., Reiss, A., Nimarko, A.
ELSEVIER SCIENCE INC.2022: S38
- **Altered canonical and striatal-frontal resting state functional connectivity in children with pathogenic variants in the Ras/mitogen-activated protein kinase pathway.** *Molecular psychiatry*
Bruno, J. L., Shrestha, S. B., Reiss, A. L., Saggari, M., Green, T.
2022
- **Functional near-infrared spectroscopy brain imaging predicts symptom severity in youth exposed to traumatic stress.** *Journal of psychiatric research*
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