Jessica A. Church-Lang, Ph.D.

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Academic Degrees

Ph.D., Neuroscience — 2008
Washington University in St. Louis, Division of Biology and Biological Sciences
Dissertation: "*Neuroimaging studies of typical and atypical development*"
PhD mentors: Bradley L. Schlaggar, M.D., Ph.D., and Steven E. Petersen, Ph.D.

A.B., *cum laude*, Neuroscience major, Psychology minor – *highest honors in neuroscience* — 2002
Smith College, Northampton, MA
Visiting Scholar, 2000-2001, Oxford University, Oxford, England

Professional Appointments

Faculty Ombuds — 2025-present
Full Professor with Tenure — 2025-present
Associate Professor with Tenure — 2019-2025
Assistant Professor — 2012-2019
Department of Psychology
Department of Psychiatry (by courtesy) — 2017-2022
Institute for Neuroscience
Biomedical Imaging Center
The University of Texas at Austin

Primary Investigator — 2012-present
The Developmental Cognitive Neuroscience Lab
The University of Texas at Austin

Postdoctoral Research Associate/Fellow — 2008-2012
Department of Neurology
Washington University School of Medicine
Advisors: Dr. Bradley L. Schlaggar, M.D., Ph.D., and Dr. Silvia A. Bunge, Ph.D. (UC Berkeley)

Research Interests

- Longitudinal trajectories of task control abilities in typical and atypical development
- The neural bases of task control (task-based and rest-based fMRI approaches)
- Brain changes related to behavioral or educational skill change (e.g., via reading intervention)
- The impact of stress and puberty on task control development
- Predicting group membership from multivariate datasets
- Predicting future educational gains from brain activity

Publications

* Current/Former Graduate mentee Ψ Undergraduate student mentee
** Current/Former lab member

Published - Journals

Wu, R., Lopes de Queiroz, I.F., Rodriguez, T.M., Tavenner, B.P., **Church, J.A.** (2025). Interrupted learning across the lifespan. *Human Development,* 69 (2): 65-78. https://doi.org/10.1159/000542216

Ben-Asher, E.* ‡, Porter, B.M.* ‡, **Church, J.A.** (2024*).* Distinct Constellations of Common Risk Factors Differentially Relate to Executive Function Ability in Children. *Psychological Science,* 35 (5): 489-503. ‡ Co-first authors https://doi.org/10.1177/09567976241235931

Nugiel, T.*, Demeter, D.V.*, Mitchell, M.E.**, Garza, A.C.**, Hernandez, A.E., Juranek, J., **Church, J.A**. (2024). Brain connectivity and academic skills in English learners. *Cerebral Cortex,* 34(1), bhad414. https://doi.org/10.1093/cercor/bhad414

Burenkova, O.V., Naumova, O.Y., **Church, J.A.**, Juranek, J., Fletcher, J.M., Grigorenko E.L. (2024). Associations between telomere length, glucocorticoid receptor gene DNA methylation, volume of stress-related brain structures, and academic performance in middle-school-age children. *Comprehensive Psychoneuroendocrinology,* 17, 100223. https://doi.org/10.1016/j.cpnec.2023.100223

Porter, B. M.*, Roe, M.A.*, Mitchell, M.E.**, **Church, J.A.** (2023). A longitudinal examination of executive function abilities, attention-deficit/hyperactivity disorder, and puberty in adolescence. *Child Development, 95(4)*, 1076-1091. https://doi.org/10.1111/cdev.14057

Church, J.A. (2023). The brain's control networks in reading: Insights from cross-task studies of youth. *Mind, Brain, and Education,* 17(4): 257-266. https://doi.org/10.1111/mbe.12372

Ben-Asher, E.* Porter, B.M.*, Roe, M.A.*, Mitchell, M.E.**, **Church, J.A.** (2023). Bidirectional longitudinal relations between executive function and social function across adolescence. *Developmental Psychology, 59(9),* 1587-1594. https://doi.org/10.1037/dev0001580

Nugiel, T.*, Mitchell, M.E. **, Demeter, D.V. *, Garza, AC. **, Cirino, P.T., Hernandez, A.E., Juranek, J., **Church, J.A.** (2023*).* Brain engagement during a cognitive flexibility task relates to academic performance in English learners. *Mind, Brain, and Education, 17(*2): 149-160. https://doi.org/10.1111/mbe.12362

Church J.A., Grigorenko, E.L., Fletcher J.M. (2023). The role of neural and genetic processes in learning to read and specific reading disabilities: Implications for instruction. *Reading Research Quarterly, 58(2),* 203-219. https://doi.org/10.1002/rrq.439

Demeter, D.V.*, Gordon, E.M., Nugiel, T.*, Garza, AC.**, Larguinho, T.L.*, **Church, J.A.** (2023). Resting-state cortical hubs in youths organize into four categories. *Cell Reports,* 42(5), 112521. https://doi.org/10.1016/j.celrep.2023.112521

Aizza, A.Ψ, Porter, B.M.*, **Church, J.A.** (2023). Youth pre-pandemic executive function relates to year one COVID-19 difficulties. *Frontiers Psychology: Developmental Psychology, 14,* 1033282. https://doi.org/10.3389/fpsyg.2023.1033282

Barendse, M.E.A., et al. (2023). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic: An international collaborative of 12 samples. *Journal of Research on Adolescence, 33(1):* 74-91. https://doi.org/10.1111/jora.12781

Garcini, L.M., Arredondo, M.M., Berry, O., **Church, J.A.**, Fryberg, S.A., Thomason, M.E., & McLaughlin, K.A. (2022). Increasing diversity in developmental cognitive neuroscience: A roadmap for

increasing representation in pediatric neuroimaging research. *Developmental Cognitive Neuroscience, 58:* 101167 https://doi.org/10.1016/j.dcn.2022.101167

Davis, B.R.[**], Garza, A.C[**Ψ], **Church, J.A.** (2022). Key considerations for child and adolescent MRI data collection. Tutorial in *Frontiers in Neuroimaging,* 1, 981947. https://doi.org/10.3389/fnimg.2022.981947

Porter, B.M.[*], Douglas, I.J.[**], Larguinho, T.L.[*], Aristizabal, M.[**], Mitchell, M.E.[**], Roe, M.A.[*], **Church, J.A.** (2021). Examination of pre-pandemic measures on youth well-being during early stages of the COVID-19 pandemic. *Biological Psychiatry: Global Open Science, 1 (4):* 252-260. https://doi.org/10.1016/j.bpsgos.2021.08.003

Garza A.C.[Ψ], Aizza A.[Ψ], Charoenworawat, J.[Ψ], **Church, J.A.** (2021). A core set of brain regions helps kids achieve their goals. *Frontiers for Young Minds, 9,* 618432. https://kids.frontiersin.org/articles/10.3389/frym.2021.618432

Zheng, A.[**], **Church, J.A**. (2021). A developmental eye tracking investigation of cued task-switching performance. *Child Development, 92(4):* 1652-1672. https://doi.org/10.1111/cdev.13478

Roe, M.A.[*], Engelhardt, L.E.[*], Nugiel, T.[*], Harden, K.P., Tucker-Drob, E.M., **Church, J.A.** (2021). Error-signaling in the developing brain. *NeuroImage, 227,* 117621. https://doi.org/10.1016/j.neuroimage.2020.117621

Nugiel, T.[*], Roe, M.A.[*], Engelhardt, L.E.[*], Mitchell, M.E.[**], Zheng, A.[**], **Church, J.A.** (2020). Pediatric ADHD symptom burden relates to distinct neural activity across executive function domains. *NeuroImage: Clinical,* Aug 25, 28:102394. https://doi.org/10.1016/j.nicl.2020.102394

Demeter D.V.[*], Engelhardt L.E.[*], Mallet R., Gordon E.M., Nugiel T.[*], Harden K.P., Tucker-Drob E.M., Lewis-Peacock J.A., **Church J.A.** (2020). Functional connectivity fingerprints at rest are similar across youths and adults and vary with genetic similarity. *iScience, 23(1):*100801, epub 2019 Dec 25 https://doi.org/10.1016/j.isci.2019.100801

Nielsen A.N., Gratton C., **Church J.A.**, Dosenbach N.U.F., Black K.J., Petersen S.E., Schlaggar B.L., Greene D.J. (2020). Atypical functional connectivity in Tourette syndrome differs between children and adults. *Biological Psychiatry, 87(2):* 164-173. https://doi.org/10.1016/j.biopsych.2019.06.021

Harden K.P., Engelhardt L.E.[*], Mann, F.D., Patterson M.W., Grotzinger A., Savicki S.L., Thibodeaux M.L., Freis S.M., Tackett J.L., **Church J.A.**, Tucker-Drob E.M. (2020). Genetic associations between executive functions and a general factor of psychopathology. *Journal of the American Academy of Child and Adolescent Psychiatry, 59(6):* 749-758. https://doi.org/10.1016/j.jaac.2019.05.006

Wood A.C. ‡, Vainik U. ‡, Engelhardt L.E.[*], Briley D.A., Grotzinger A., **Church J.A.**, Harden K.P., Tucker-Drob E.M. (2019). Genetic overlap between executive functions and BMI in childhood. *The American Journal of Clinical Nutrition, 110*(4)*:* 814-822. ‡ Co-first authors https://doi.org/10.1093/ajcn/nqz109

Church J.A., Cirino P.T., Miciak J., Juranek J., Vaughn S., Fletcher J.M. (2019). Cognitive, intervention, and neuroimaging perspectives on executive function in children with reading disabilities. *New Directions for Child and Adolescent Development 165,* 25-54. https://doi.org/10.1002/cad.20292

Nugiel T.[*], Roe M.A.[*], Taylor W.P., Cirino P.T., Vaughn S.R., Fletcher J.M., Juranek J., **Church J.A.** (2019). Brain activity in struggling readers before intervention relates to future reading gains. *Cortex,* 111, 286-302. https://doi.org/10.1016/j.cortex.2018.11.009

Engelhardt L.E.[*], Harden K.P., Tucker-Drob E., **Church J.A.** (2019). The neural architecture of executive functions is established by middle childhood. *NeuroImage,* 185, 479-489. https://doi.org/10.1016/j.neuroimage.2018.10.024

Roe M.A.*, Martinez J.E.**, Mumford J.A., Taylor W.P., Cirino P.T., Fletcher J.M., Juranek J., **Church J.A.** (2018). Control engagement during sentence and inhibition fMRI tasks in children with reading difficulties. *Cerebral Cortex,* 28(10), 3697-3710. https://doi.org/10.1093/cercor/bhy170

Engelhardt L.E.*, **Church J.A.,** Harden K.P., Tucker-Drob E. (2018). Accounting for the shared environment in cognitive abilities and academic achievement with measured socioecological contexts. *Developmental Science,* 22(1), e12699. https://doi.org/10.1111/desc.12699

Martinez J.E.**, Mack M.L., Bauer J-R.**, Roe M.A.*, **Church J.A.** (2018) Perceptual biases during cued task switching relate to decision process differences between children and adults. *Journal of Experimental Psychology: Human Perception and Performance,* 44(10) 1603-1618. http://dx.doi.org/10.1037/xhp0000552.

Bauer J-R.** ‡, Martinez J.E.** ‡, Roe M.A.*, **Church J.A.** (2017). Consistent performance differences between children and adults despite manipulation of cue-target variables. *Frontiers in Psychology: Developmental*, 8,1304. ‡ Co-first authors. https://doi.org/10.3389/fpsyg.2017.01304

Engelhardt L.E.*, Roe M.A.*, Juranek J., DeMaster D., Harden K.P., Tucker-Drob E.M., **Church J.A.** (2017). Children's head motion during fMRI tasks is heritable and stable over time. *Developmental Cognitive Neuroscience*, 25, 58-68. https://doi.org/10.1016/j.dcn.2017.01.011

Tucker-Drob E.M., Grotzinger A., Briley D.A., Engelhardt L.E.*, Mann F.D., Patterson M., Kirschbaum C., Adam E.K., **Church J.A.**, Tackett J.L., Harden K.P. (2017). Genetic influences on hormonal markers of chronic HPA function in human hair. *Psychological Medicine*, 47(8), 1389-1401. https://doi.org/10.1017/S0033291716003068

Church J.A., Bunge S.A., Petersen S.E., Schlaggar B.L. (2017). Preparatory engagement of cognitive control networks increases late in childhood. *Cerebral Cortex*, Mar 1;27(3), 2139-2153. https://doi.org/10.1093/cercor/bhw046

Engelhardt L.E.*, Mann F.D., Briley D.A., **Church J.A.**, Harden K.P., Tucker-Drob E.M. (2016). Strong genetic overlap between executive functions and intelligence. *Journal of Experimental Psychology: General*, 145(9), 1141-1159. http://dx.doi.org/10.1037/xge0000195

Greene D.J., **Church J.A.**, Dosenbach N.U.F., Nielsen A.N., Adeyemo B., Nardos, B., Petersen S.E., Black K.J., Schlaggar B.L. (2016). Multivariate pattern classification of pediatric Tourette syndrome using functional connectivity MRI. *Developmental Science,* 19(4), 581-598. https://doi.org/10.1111/desc.12407

Stewart S.B., Greene D.J., Lessov-Schlaggar C.N., **Church J.A.**, Schlaggar B.L. (2015). Clinical correlates of parenting stress in children with Tourette syndrome and in typically developing children. *Journal of Pediatrics,* 166(5), 1297-1302 e3 https://doi.org/10.1016/j.jpeds.2015.01.041

Church J.A., Schlaggar B.L. (2014). Pediatric Tourette syndrome: insights from recent neuroimaging studies. *Journal of Obsessive-Compulsive and Related Disorders. Special Issue: Tourette Syndrome Update*, 3(4), 386-393. https://doi.org/10.1016/j.jocrd.2014.04.002

Siegel J.S., Power J.D., Dubis J.W., Vogel A.C., **Church J.A.**, Schlaggar B.L., Petersen S.E. (2014). Statistical improvements in fMRI analyses produced by censoring high motion datapoints. *Human Brain Mapping,* 35(5), 1981-1996. https://doi.org/10.1002/hbm.22307

Williams A.C., McNeely M.E., Greene D.J., **Church J.A.**, Warren S.L., Hartlein J.M., Schlaggar B.L., Black K.J., Wang L: (2013). A pilot study of basal ganglia and thalamus structure by high dimensional mapping in children with Tourette syndrome. *F1000Research,* 2, 207. http://dx.doi.org/10.12688/f1000research.2-207.v1

Vogel A.C., **Church J.A.**, Power J.D., Miezin F.M., Petersen S.E., Schlaggar B.L. (2013). Functional Network Architecture of Reading-Related Regions Across Development. *Brain and Language,* 125(2), 231-43. https://doi.org/10.1016/j.bandl.2012.12.016

Church J.A., Petersen S.E., Schlaggar B.L. (2012). Comment on "The physiology of developmental changes in BOLD functional imaging signals" by Harris, Reynell, and Attwell. *Developmental Cognitive Neuroscience,* 2(2), 220-222. https://doi.org/10.1016/j.dcn.2011.10.003

Barnes K.A., Nelson S.M., Cohen A.L., Power J.D., Coalson R.S., Miezin F.M., Vogel A.C., Dubis J.W., **Church J.A.**, Petersen S.E., Schlaggar B.L. (2012). Parcellation in left lateral parietal cortex is similar in adults and children. *Cerebral Cortex,* 22(5), 1148-1158. https://doi.org/10.1093/cercor/bhr189

Power J.D., Cohen A.L., Nelson S.M., Wig G.S., Barnes K.A., **Church J.A.**, Vogel A.C., Laumann T.O., Miezin F.M., Schlaggar B.L., Petersen S.E. (2011). Functional network organization of the human brain. *Neuron,* 72, 665-678. https://doi.org/10.1016/j.neuron.2011.09.006

Dosenbach N.U.F., Nardos B., Cohen A.L., Fair D.A., Power J.D., **Church J.A.**, Nelson S.M., Wig G.S., Vogel A.C., Lessov-Schlaggar C.N., Barnes K.A., Dubis J.W., Feczko E., Coalson R.S., Pruett J.R., Barch D.M., Petersen S.E., Schlaggar B.L. (2010). Prediction of individual brain maturity using fMRI. *Science,* 329(5997), 1358-1361. https://doi.org/10.1126/science.1194144

Church J.A., Balota D.A., Petersen S.E., Schlaggar B.L. (2011). Manipulation of length and lexicality localizes the functional neuroanatomy of phonological processing in adult readers. *Journal of Cognitive Neuroscience,* 23(6), 1475-1493. https://doi.org/10.1162/jocn.2010.21515

Church J.A., Petersen S.E., Schlaggar B.L. (2010). The Task B problem and other issues in developmental functional neuroimaging. *Human Brain Mapping,* 31(6), 852-862. https://doi.org/10.1002/hbm.21036

Church J.A., Wenger K.K., Dosenbach N.U.F., Miezin F.M., Petersen S.E., Schlaggar B.L. (2009). Task control signals in pediatric Tourette syndrome show evidence of immature and anomalous functional activity. *Frontiers in Human Neuroscience*, 3:38. https://doi.org/10.3389/neuro.09.038.2009

Fair D.A., Cohen A.L., Power J.D., Dosenbach N.U.F., **Church J.A.**, Miezin F.M., Schlaggar B.L., Petersen S.E. (2009). Functional brain networks develop from a "local to distributed" organization. *PLoS Computational Biology, 5(5):* e1000381. https://doi.org/10.1371/journal.pcbi.1000381

Schlaggar B.L., **Church J.A.** (2009). Functional neuroimaging insights into the development of skilled reading. *Current Directions in Psychological Science, 18(1),* 21-26. https://doi.org/10.1111/j.1467-8721.2009.01599.x

Ihnen S.K., **Church J.A.**, Petersen S.E., Schlaggar B.L. (2009). Lack of generalizability of sex differences in the fMRI BOLD activity associated with language processing in adults. *NeuroImage. 45(3),* 1020-32. https://doi.org/10.1016/j.neuroimage.2008.12.034

Church J.A., Fair D.A., Dosenbach N.U.F., Cohen A.L., Miezin F.M., Petersen S.E., Schlaggar B.L. (2009). Control networks in pediatric Tourette Syndrome show immature and anomalous patterns of functional connectivity. *Brain, 132(1),* 225-38. https://doi.org/10.1093/brain/awn223

Church J.A., Coalson R.S., Lugar H.M., Petersen S.E., Schlaggar B.L. (2008). A developmental fMRI study of reading and repetition reveals changes in phonological and visual mechanisms over age. *Cerebral Cortex, 18(9),* 2054-65. https://doi.org/10.1093/cercor/bhm228

Fair D.A., Cohen A.L., Dosenbach N.U.F., **Church J.A.**, Miezin F.M., Barch D.M., Raichle M.E., Petersen S.E., Schlaggar B.L. (2008). The maturing architecture of the brain's default network. *PNAS, 105(10),* 4028-4032. https://doi.org/10.1073/pnas.0800376105

Fair D.A., Dosenbach N.U.F., **Church J.A.**, Cohen A.L., Brahmbhatt S., Miezin F.M., Barch D.M., Raichle M.E., Petersen S.E., Schlaggar B.L. (2007). Development of distinct control networks through segregation and integration. *PNAS, 104(33),* 13507-13512. https://doi.org/10.1073/pnas.0705843104

Wraga M., Duncan L., Jacobs E.C., Helt M., **Church J**. (2006). Stereotype susceptibility narrows the gender gap in imagined self-rotation performance. *Psychonomic Bulletin & Review, 13(5),* 813-819. http://dx.doi.org/10.3758/BF03194002

Burns J.M., **Church J.A.**, Johnson D.K., Xiong C., Marcus D., Fotenos A.F., Snyder A.Z., Morris J.C., Buckner R.L. (2005). White matter lesions are prevalent but differentially related with cognition in aging and early Alzheimer disease. *Arch Neurol, 62(12),* 1870-6. http://dx.doi.org/10.1001/archneur.62.12.1870

Wraga M., Shephard J.M., **Church J.A.**, Inati S., Kosslyn S.M. (2005). Imagined rotations of self versus objects: an fMRI study. *Neuropsychologia, 43(9),* 1351-61. https://doi.org/10.1016/j.neuropsychologia.2004.11.028

Published – Books, Chapters

Church, J.A., Lockman, J.J. (Eds). (scheduled print release, 2025). *Advances in Child Development and Behavior: Foundations of Literacy, Vol. 68*. Cambridge, MA: Elsevier.

Church, J.A., Porter, B.M.* (2024). Development of Cognition. Chapter in *Encyclopedia of the Human Brain, 2nd edition.* Reference Module in Neuroscience and Biobehavioral Psychology. Elsevier. https://doi.org/10.1016/B978-0-12-820480-1.00180-7

Church J.A., Fletcher J.M. (2020). Chapter 15: Neuroimaging. In M.H. Mallette and N.K. Duke, (Eds.) *Literacy Research Methodologies, 3rd edition.* (pp.313-344). New York: Guilford Press.

Cirino P.T., **Church, J.A.,** Miciak, J., Fletcher, J.M. (2019). The role of executive functions in reading development, reading disability, and intervention response. In E.L. Grigorenko, Y. Shtyrov, & P. McCardle (Eds.), *All About Language: Science, Theory, and Practice.* (pp 126-14). Brooks Publishing Co.

de Villiers P.A., **Church J.**, Giordano R., Whalen M., & Hoffmeister R. (2000). Reference to protagonists' mental states in the written narratives of deaf children: the contribution of English syntax and ASL skills. In Howell, S.C., Fish, S. & Keith-Lucas, T. (Eds.). *Proceedings of the 24th Annual Boston University Conference on Language Development.* Somerville, MA: Cascadilla Press. pp 265-*275.*

Public Scholarship

Wu, R., **Church, J.A.** To Stay Sharp as You Age, Learn New Skills. Opinion Piece. Adapted Print Version, *Scientific American,* October 23 issue.

Wu, R., **Church, J.A.** To Stay Sharp as You Age, Learn New Skills. Opinion Piece. *Scientific American,* June 29, 2023. https://www.scientificamerican.com/article/to-stay-sharp-as-you-age-learn-new-skills/

Church, J.A. Texas Center for Learning Disabilities. Education Research Matters: March, 2022. Review and summary of Roe et al. 2022. https://texasldcenter.org/education-research-matters/item/march-2022

Nugiel, T.*, **Church, J.A.** Texas Center for Learning Disabilities. Education Research Matters: May, 2020. Review and summary of Nugiel et al., 2019. https://www.texasldcenter.org/education-research-matters/item/may-2020

Roe, M.A.*, **Church, J.A.** Texas Center for Learning Disabilities. Education Research Matters: September, 2018. Review and summary of Roe et al., 2018. https://www.texasldcenter.org/education-research-matters/item/september-2018

Church, J.A. Texas Center for Learning Disabilities. Education Research Matters: October, 2017. Review and summary of Alcauter et al. 2017. https://www.texasldcenter.org/education-research-matters/item/october-2017

Church, J.A. Texas Center for Learning Disabilities. Education Research Matters: August, 2016. Review and summary of Friedman et al. 2016. https://www.texasldcenter.org/education-research-matters/item/august-2016

Church, J.A. "What You Can Do to Make Lasting, Meaningful Memories for the Holidays." Texas Perspectives. Fort Worth Star Telegram. Dec. 21/22, 2015. https://news.utexas.edu/2015/12/22/op-ed-how-to-make-meaningful-memories-for-the-holidays

Church, J.A. Texas Center for Learning Disabilities. Education Research Matters: July, 2015. Review and summary of Dehaene et al. 2015. https://www.texasldcenter.org/education-research-matters/item/july-2015

Church, J.A. Texas Center for Learning Disabilities. Education Research Matters: June, 2014. Review and summary of Vogel et al. 2014. https://www.texasldcenter.org/education-research-matters/item/june-2014

Church, J.A. Texas Center for Learning Disabilities. Education Research Matters: June, 2013. Review and summary of Kidd et al. 2013. https://www.texasldcenter.org/education-research-matters/item/june-2013

Press

Interview for *National Geographic:* "How to prevent Olympic-size pressure from harming your kids" by Connie Chang. February 7, 2022. https://www.nationalgeographic.com/family/article/how-to-prevent-olympic-size-pressure-from-harming-your-kids

Interview for *National Geographic:* "Helping kids deal with back-to-school anxiety" by Connie Chang. August 5, 2021. https://www.nationalgeographic.com/family/article/helping-kids-deal-with-back-to-school-anxiety

Interview/profile in *Life & Letters: College of Liberal Arts Magazine.* "Breakthroughs in brain health: we're closer than you think". *University of Texas College of Liberal Arts.* Spring 2019 issue.

Interview for *NBCNews Better*: "How to be a better reader" by Sarah DiGuilio. *NBCNews.* December 12, 2018. https://www.nbcnews.com/better/pop-culture/how-be-better-reader-ncna946166

Interview for *NYTimes* op-ed: "If Tech Execs Act Like Spoiled Brats, Should We Spank Them?" by John Swartz. *New York Times*. July 14, 2017. https://www.nytimes.com/2017/07/14/business/mutfund/if-tech-execs-act-like-spoiled-brats-should-we-spank-them.html

Interview for *St. Louis Public Radio*: "Finding student success in the tree tops at Maplewood Richmond Heights" by Tim Lloyd. Dec. 14, 2015. http://news.stlpublicradio.org/post/finding-student-success-tree-tops-maplewood-richmond-heights#stream/0

Interview for *Inside Science*: "How Does a Young Brain Read?" by Chris Cesare. March 16, 2015. https://www.insidescience.org/news/how-does-young-brain-read

Research Grants

Wu, R. (PI). "Interrupted learning in older adulthood: Investigating how learning opportunities during retirement predicts learning ability, cognition, and brain structure." NSF:BCS. 2440274. 2025-2027. Role: Co-I.

Church-Lang, J.A. (PI). "Brain changes related to learning loss in children". NSF:BCS. 1941193. 2021-2025 (NCE). Total funding $801,438.

Beer, J. (PI). "Understanding Task- and Resting-State Neural Activation in Relation to Real-World Social Behavior". NSF:BCS. 2021806. 2021-2025 (NCE). Total funding $725,673. Role: Co-I.

Fletcher, J.M. (overall PI). "Texas Center for Learning Disabilities." NIH: NICHD. 2P50HD052117. Awarded. 2017-2022. Total funding ~ $9,709,018. Role: Subcontract PI (Austin, TX) for Project 4: Multimodal Neuroimaging. Subcontract costs per year ~ $110k + MRI scan charges

Booth, J.R. (PI). "Interactive Specialization of Language Impairment." NIH: NIDCD. 5R01DC013274. Awarded. 2014-2019. Total funding: ~$3,220,187. Role: Local PI (Austin, TX) 2017-2019. Subcontract costs per year ~ $600k

Church-Lang, J.A. (PI). "Parent-child dyad studies of sleep and brain function in ADHD." Brain & Behavior Research Foundation: NARSAD Young Investigator Grant. Awarded. 2017-2019. Total funding ~$52,850.

Church-Lang, J.A., Tucker-Drob, E. (Multiple-PI). "Chronic Stress and Executive Function in Children: A Neuroimaging Study of Twins." NIH: NICHD. 1R21HD081437. Awarded. 2015-2017. Total funding ~$424,875.

Fletcher, J.M. (PI). "Texas Center for Learning Disabilities." NIH: NICHD. P50HD052117. Awarded. 2011-2017. Total funding ~ $10,512,357. Role: Subcontract PI (Austin, TX) for Project 4: Multimodal Neuroimaging. Subcontract costs per year ~ $110k + MRI scan charges

Church-Lang, J.A. (PI). Faculty Travel Grant. The University of Texas at Austin. Yearly, 2013-present.

Church-Lang, J.A. (Postdoctoral Fellowship). "Medication-induced changes in brain function in children with Tourette syndrome". NIH: NINDS. NRSA F32NS065649. Awarded. 2010-2012.

Awards and Honors

2023-2024:	The COLA Raymond Dickson Endowed Teaching Fellowship
2012-present:	Wayne Holtzman Regents Chair in Psychology Fellow
2022:	Marshal, Psychology Graduation 2022
2021-2022:	Department of Psychology nominee for the Harry Ransom Award for Teaching Excellence
2016-2017:	Department of Psychology nominee for Raymond Dickson Endowed Teaching Fellowship
2014, 2015:	Department of Psychology nominee for Dads' Assn. Cent. Teaching Fellowship
2014-2015:	The Josefina Paredes Endowed Teaching Award for junior faculty
2013:	UT Austin Nominee for the Microsoft Faculty Research Fellowship
2013:	Summer Research Assignment (SRA), The University of Texas at Austin
2012-2013:	UT Austin Nominee for the Pew Biomedical Research Fellowship
2010-2011:	Burroughs-Wellcome Fund 2010 Travel Grant
2008-2009:	Tourette Syndrome Association postdoctoral fellowship
2007:	James L. O'Leary Prize for Excellence in Neuroscience finalist, Washington University
2002-2006:	Spencer T. Olin Fellowship for Women, Washington University
2003-2005:	Markey Pathway in Human Pathobiology Fellowship, Washington University
2004:	Travel Award, Organization for Human Brain Mapping

Student/Mentee Funding & Awards

2025-2027:	UT COLA PhD Research Excellence Program Fellowship (PREP), Elizabeth Carpenter
2024-2025:	UT Robert J. Glushko Prize for distinguished undergraduate research, Caroline Painter
2024-2025:	UT Graduate Continuing Fellowship, Blaire Porter
2022-2023:	UT Career Pathways Fellowship, Eliya Ben-Asher
2021-2022:	UT Robert J. Glushko Prize for distinguished undergraduate research, Alice Aizza

2020-2020: NIH Outstanding Scholars in Neuroscience Award Program, Damion Demeter
2017-2020: Ford Foundation Predoctoral Fellowship to former lab manager, Joel Martinez
2015-2020: UT Provost's Graduate Excellence Fellowship to grad student, Mary Abbe Roe
2017-2018: UT Graduate Continuing Fellowship to co-mentored graduate student, Laura Engelhardt
2017-2018: UT Liberal Arts: Dean's Distinguished Graduates Honorable Mention to undergraduate honors student, Emily Barnes
2017-2018: NSF GRF Honorable Mention to former lab manager, Annie Zheng
2016-2017: UT Graduate School Recruitment Fellowship to graduate student, Tehila Nugiel
2014-2017: NSF Graduate Research Fellowship to co-mentored graduate student, Laura Engelhardt
2015-2016: UT Undergraduate Research Fellowship to honors student, Alyssa Hernandez
2015-2016: UT Hibbs Undergraduate Research Award to honors student, Alyssa Hernandez

Presentations

Invited Talks

Variability in abilities: Studies of control. Invited Speaker: Clinical Science with the Mentally Ill. Gulf Coast Consortia's 6th Annual Mental Health Research Conference. Houston, Texas. Sept. 2024

Variability in ability: Studies of reading and control. Masonic Institute for the Developing Brain, University of Minnesota, Minnesota. Mar. 2024

Variability in ability: Studies of reading and control. T32 Seminar. New York State Psychiatric Institute (NYSPI), Columbia University, New York. Virtual. Nov. 2023

Variability in ability: Brain studies of reading and control. IDeA center, DIPF/Goethe University, Frankfurt Germany. Virtual. Jul. 2023

Control and Reading and Kids, Oh My! Steven Petersen Festschrift, Washington University in St. Louis, Mar. 2023.

The brain's task control networks in youth and relations to academic performance. University of Connecticut BIRC Speaker Series. Virtual. Feb. 2023.

Task control networks and academic skill change. UC Berkeley Human Development/Developmental Psychology Colloquium. Virtual. Oct. 2022.

100 years of Psychology at Smith College. Smith College Alumnae panel. Sept. 2022

Big data approaches to the development of brain network hubs. 7th Big Data Neuroscience Workshop (ACNN). The University of Texas at Austin, Sept. 2022

The brain's control networks in reading: Insights from cross-task studies of youth. The Dyslexia Foundation Extraordinary Brain Symposium. Bermuda, June 2022

Intellectual Development: Teens & Teamwork – The power of peers on brain development. MooreCo Design Conference 2021: Thrive Forward: Creating Environments for Optimal Human Development and Wellbeing. Virtual. Mar. 2021.

Texas Center for Learning Disabilities: Project 4 datablitz. Learning Disability Research Center annual meeting with NIH/NICHD, Virtual. Mar. 2021

Probing the brain's control networks in middle childhood. Dept. Psychology CABIN brown bag seminar, University of Nebraska-Lincoln. Virtual talk. Nov. 2020

Texas Center for Learning Disabilities: Project 4 update. Learning Disability Research Center annual meeting with NIH/NICHD, Tallahassee, FL, Dec. 2019

Texas Center for Learning Disabilities: Project 4 update. Learning Disability Research Center annual meeting with NIH/NICHD, Houston, TX, Nov. 2018

Neuroimaging Studies of Control Engagement in Typical and Struggling Readers. Dept. Psychology and Human Development, Vanderbilt University. Nashville, TN. Sept. 2018

Texas Center for Learning Disabilities: Project 4 update. Learning Disability Research Center/Hub meeting, NICHD, Washington D.C., Dec. 2017

Stability and Flexibility in the Development of Task Control. Center for Vital Longevity, UT Dallas. Dallas, TX. April 2017

Reading Difficulties and Response to Intervention: A Neuroimaging Perspective. Statewide Evaluation Conference supporting educators and school personnel (SWEP 2017). Invited Speaker. Dallas, TX. Feb. 2017

Preparatory Task Control Development. Cognition & Cognitive Neuroscience Brownbag, Texas A&M. College Station, TX. Oct. 2016

Neuroimaging Insights into the Development of Task Control. Austin Neuropsychological Society (ANS). Austin, TX. Jan. 2016

An fMRI Study of Sentence Reading and Response Inhibition in Pre- and Post-Intervention Struggling Readers. NICHD symposium at the International Dyslexia Association (IDA) Annual Meeting. Invited Speaker. Grapevine, TX. Oct. 2015

fMRI and behavioral explorations of preparatory task control in late childhood. Invited speaker for the Neuroimaging Preconference at the Cognitive Development Society Biannual Meeting. Columbus, OH. Oct. 2015

Struggling readers before and after intervention. Invited speaker at the Flux 3rd International Congress for Integrative Developmental Cognitive Neuroscience. Leiden, Netherlands. Sept. 2015

Texas Center for Learning Disabilities: Project 4 update. Learning Disability Research Center/Hub meeting, NICHD, Washington D.C., Aug. 2015

Preparatory Task Control Development. Speaker at the Neurobiology brownbag talk series at UT San Antonio. San Antonio, TX. Feb. 2015

Texas Center for Learning Disabilities: Project 4 update. Learning Disability Research Center/Hub meeting, NICHD, Washington D.C., May 2014

Invited Talks at The University of Texas at Austin or in greater Austin, TX

The Psychology Behind Inside Out 2: A Faculty-Student Connection Event. College of Liberal Arts. Oct. 2024

The American Family. The College of Liberal Arts Open Forum Dialogue series. Oct. 2023

The Scientist as a Responsible Member of Society. IRB RCR Training Workshop Presenter. Oct. 2023

The Difference a Positive Experience Can Make: Considerations from Developmental Neuroimaging Research. IRB RCR Training Workshop, Office of Research Support & Compliance, Nov. 2022

HealthScape Journal Club. Dell Medical School. Led discussion of Troller-Renfree et al. 2022., April 2022.

Pestilli Lab Conversations. Chat about DCN lab with Pestilli Lab, UT Psychology, May 2021.

Consistencies Across Executive Function Tasks in the Child Brain. Ignite session: Innovative Methods 1. The 2nd Annual Collaborative Research Forum. UT College of Education and Austin Independent School District. AISD PAC. Feb. 2020

Functional Neuroimaging. 1st annual MRI Operator's Conference (BIC/ARA sponsored). Dell Medical School, Austin, TX, Feb, 2020.

Post-talk panelist for UT Brainstorms: The Forgetful Brain. Austin, TX. Feb. 2019

Neuroimaging Studies of Control Engagement in Typical and Struggling Readers. The Inaugural Collaborative Research Forum. UT College of Education and Austin Independent School District. Feb. 2019

Reading Comprehension in the Child Brain: What's the Story? Dialogues Seminar Series, The Institute for Neuroscience. Austin, TX. Oct. 2017

Stability and Flexibility in the development of task control. Cognitive Science Area Meeting, Psychology Department. Austin, TX. May 2017

What's the DCN lab been up to? Behavioral Neuroscience Area Meeting, Psychology Department. Austin, TX. Feb. 2016

Preparatory Task Control Development. Behavioral Neuroscience Area Meeting, Psychology Department. Austin, TX. Sept. 2014

Using neuroimaging to study task control in typical and atypical populations. Clinical Psychology Area Meeting, Psychology Department. Austin, TX. Nov. 2013

Adaptive Task Control Signals in Typical Development. Grand Rounds in Child Neurology, Dell Children's Hospital. Austin, TX. July 2013

Adaptive Task Control Signals in Typical Development. Weekly Seminar Series, The Institute for Neuroscience. Austin, TX. Feb. 2013

Presentation on Presentations: Dazzle 'em tips. Cognitive Psychology Area Meeting, Psychology Department. Austin, TX. Feb. 2013

Adaptive Task Control Signals in Typical Development. Developmental Psychology Area Meeting, Psychology Department. Austin, TX. Oct. 2012

Conference Talks and Symposia

Developing a Toolkit for the Interaction between Executive Function (EF) and Learning Disabilities. Flux Society Pre-Conference Workshop, Baltimore, MD, ***Workshop Co-Organizer, Presenter,*** Sept. 2024

Beyond diagnoses: Challenges for the learning brain. International Mind, Brain, and Education Society (IMBES), Leuven, Belgium, ***Symposia Discussant***, Jul. 2024.

2023 Flux Congress for Integrative Developmental Cognitive Neuroscience, Santa Rosa, CA. ***Scientific Program Chair***, Sept. 2023

Using Frontera to analyze brain data. TACC 2023, 3rd Frontera User Meeting. Austin, TX, Aug. 2023

Factors influencing executive function maturation in adolescence. Dallas Aging and Cognition Conference, Dallas, TX, Feb. 2023

Science of Learning Panel. ***Symposium Organizer.*** Flux Society, Paris, Sept. 2022

Behavioral, cognitive, and neural mechanisms of the performance-monitoring system in reading: Error-signaling in the developing brain. SSSR, Newport Beach, CA. Jul, 2022

Science of Learning Panel. ***Symposium Co-Chair.*** Flux Congress 2021, Virtual, Sep. 2021.

The role of the brain's control system in middle elementary struggling readers. Gordon F. Sherman Neuroscience and Education Symposium, International Dyslexia Association, Virtual, Nov. 2020

COVID-19 impacts on well-being of Austin-area youths and their parents, UT COVID-19 Virtual Conference, Nov., 2020

Dichotomous vs. continuous approaches for studying learning difficulties, ADHD, and predicting intervention response. OHBM Virtual Conference, Symposia talk, Jun. 2020

Flash Talks. ***Symposium Chair.*** Flux Society, New York City, Sep. 2019

Neuroimaging the Typical and Atypical Development of Reading Over Time. ***Symposium Discussant***. Society for the Scientific Studies of Reading, Brighton, UK. Jul. 2018

Neuroimaging of Factors that Influence Reading Development. ***Symposium Co-Chair and discussant***. Society for Research in Child Development, Austin, TX. Apr. 2017

Cognitive Control Networks in Context. ***Symposium Chair and discussant.*** Society for Research in Child Development, Austin, TX. Apr. 2017

Control activity in children with Tourette syndrome during task switching. 1st World Congress for Tourette Syndrome Association, London, UK. **Church J.A.**, Bunge S.A., Petersen S.E., Schlaggar B.L. Jun. 2015

Innovative methods increase sensitivity for detecting functional brain differences in Tourette syndrome. 1st World Congress for Tourette Syndrome Association, London, UK. Greene D.J., **Church J.A.**, Dosenbach N.U.F., Adeyemo B., Gratton C., Laumann T., Nielson A., Shannon W., Petersen S.E., Black K.J., Schlaggar B.L. Jun. 2015

Control networks in Tourette Syndrome. Conference on Neurocognitive Development, Berkeley, CA. Jul. 2009

A developmental fMRI study of reading and repetition reveals changes in phonological and visual mechanisms over age. Society for the Scientific Study of Reading, Boston, MA. Jun. 2009

Using functional connectivity MRI to study cognitive development: the abnormal structure of distinct task control networks in Tourette syndrome. Society for Neuroscience, 37th Annual Meeting, San Diego, CA. Nov. 2007

Co-Talk with Peter de Villiers: *Reference to characters' mental states in the written narratives of deaf children – the contribution of English syntax and ASL skills.* Issues in Language and Deafness. Omaha, NE. Oct. 1999

Co-Talk with Peter de Villiers: *Reference to protagonists' mental states in the written narratives of deaf children: the contribution of English syntax and ASL skills*. Boston University Conference on Language Development, Boston, MA, Nov. 1999

Public or University Outreach

High School Brain Workshop. Summer Discovery Pre-College Psychology, Course 1 & 2, June & July 2025

High School Brain Workshop. WiSTEM in Medical Technology Camp, June & July 2025
Middle School Brain Workshop. Code@TACC Summer Camp, June 2025
The Developmental Cognitive Neuroscience Lab Demo. WiSTEM GirlSTEM Day (10,000 youth at UT), Feb. 2025
The Developmental Cognitive Neuroscience Lab Demo. WiSTEM GirlSTEM Day (10,000 youth at UT), Feb. 2024
The Developmental Cognitive Neuroscience Lab. SURE Psychology students., July 2023
The Developmental Cognitive Neuroscience Lab. Texas Student Psychological Association., Feb. 2023
Flux Public Outreach! Flux 2nd public talk session and panel. Church, J.A., Uddin, L., Cheng, T.W., Cohen, A., Lynn, A., Role = organizer and panel moderator. Virtual. Sept. 2022
The Developmental Cognitive Neuroscience Lab. Chat with Polymath group, a UT student organization. November 2021.
Flux Public Outreach! Flux 1st public talk session and panel. Church, J.A., Luna, B., Fair, D., Randolph, A., Parr, A. Role = organizer, speaker and panel moderator. Virtual. Sept. 2021
The ABCs in the developing brain. On Course with Liberal Arts, a Public Event. Session: From ABCs to TBIs – The Remarkable Child Brain. Virtual. April 2021.
The Developmental Cognitive Neuroscience Lab. Chat with Women in Psychology (WIP) UT student organization. October 2020.
The Executive Function Study and future plans of the Church lab at UT. The AISD Division of Research and Evaluation. June 2020.
The Developmental Cognitive Neuroscience Lab. Student organization meeting: UT Science Undergraduates Research Group (SURGe). Austin, TX. Feb. 2018
Post-talk panelist for UT Brainstorms: The Eloquent Brain. Austin, TX. Oct. 2017
Post-play talk-back on women in science. *The Effect* by Lucy Prebble at Hyde Park Theater, Austin, TX. Jun. 2017
Why don't kids come with an instruction manual? Tips from Child Developmental Research. UT College of Liberal Arts Family Weekend. Austin, TX. Oct. 2015
The Developmental Cognitive Neuroscience Lab. UT Texas Student Psychological Association Meeting. Austin, TX. March 2015

Academic Advising and Student-related Service

Postdoctoral Researchers

Tin Nguyen, Ph.D. 2023-present
- co-advised with Laurie Cutting (Vanderbilt)

Yael Weiss, Ph.D., 2017-2019
- co-advised with James Booth (Vanderbilt)

Doctoral Students under direct supervision

Blaire Porter, Psychology, 2020-2025 (current postdoc at UT Austin with Dr. Franco Pestilli)
Tyler Larguinho, Psychology, 2019-2024 (current lecturer at UC Riverside)
Eliya Ben-Asher, Psychology, 2021-2023 (industry)
Damion Demeter, Ph.D. in Psychology, 2016-2021 (current postdoc at UCSD with Dr. Deanna Greene)
Tehila Nugiel, Ph.D. in Psychology, 2016-2021 (current Assistant Professor at Florida State University)
Mary Abbe Roe, Ph.D. in Psychology, 2015-2020 (industry)
Laura Engelhardt, Ph.D. in Psychology, 2013-2018 (industry)
- co-advised with Elliot Tucker-Drob, Psychology

Master's Students under direct supervision

Jessie-Raye Bauer, M.A. in Psychology, 2015 (industry)

Doctoral Dissertation Committees (as Member)

Caleb Jerinic-Brodeur, Ph.D. in Cognition, Brain and Behavior, anticipated 2027
Owen Friend, Ph.D. in Cognition, Brain and Behavior, anticipated 2027

James Daley, Ph.D. in Developmental Psychology, anticipated 2025
Katherine Steele, Ph.D. in Developmental Psychology, anticipated 2024
Fortunado N. Medrano, Ph.D. in Developmental Psychology, December 2023
Shaden Powell, Ph.D. in Developmental Psychology, August 2023
Dylan Kirsch, Institute for Neuroscience, November 2022
Anthony Dutcher, Institute for Neuroscience, Ph.D. in Neuroscience, July 2022
Valeria Tretyak, Ph.D. in Clinical Psychology, May 2022
Hannah Claussenius-Kalman, Ph.D. in Psychology, University of Houston, 2021
Remington Mallet, Ph.D. in Cognitive Neuroscience Psychology, 2021
Athula Pudhiyidath, Ph.D. in Cognitive Neuroscience Psychology, 2020
Robert Molitor, Ph.D. in Cognitive Neuroscience Psychology, 2019
Alex Birdsill, Ph.D. in Clinical Psychology, 2019
Rachel Reetzke, Ph.D. in Communication Science & Disorders, 2018
Jessica Wise Younger, Ph.D. in Communication Science & Disorders, 2018
Colby Hall, Ph.D. in Special Education, 2016
Caitlin Clark, Ph.D. in Developmental Psychology, 2016
Maliki Ghossainy, Ph.D. in Developmental Psychology, 2015
Bolivar Jacquez, Ph.D. in Developmental Psychology, 2015
Arianna Stefanatos, Ph.D. in Clinical Psychology, 2015
Margaret Schlichting, Ph.D. in Cognitive Neuroscience Psychology, 2015
Yamanda Wright, Ph.D. in Developmental Psychology, 2014

Master's Committees (as Member)

Madeleine Garza, M.A. in Developmental Psychology, 2025
Shaden Powell, M.A. in Developmental Psychology, 2021
Joseph O'Brien, M.A in Developmental Psychology, 2017
Nicholas Griffin, M.A. in Cognitive Neuroscience Psychology, 2017

Qualifying Paper Committees (as Member)

Christina Lildharrie, Institute for Neuroscience, Qualifying Exam part II examiner, 2025
Sophie Buchamier, Institute for Neuroscience, Qualifying Exam part II examiner, 2024
Rajvi Agravat, Institute for Neuroscience, Qualifying Exam part II examiner, 2023
Edward Leung, Institute for Neuroscience, Qualifying Exam part II examiner, 2023
Zheng Zhang, Special Education, College of Education, reader/examiner for qualifying exam, 2021
Zachary Bretton-Granatoor, Institute for Neuroscience, qualifying examiner, 2020
Nicholas Griffin, Cognitive Neuroscience area of Psychology, 2nd reader, 2016
Caitlin Clark, Developmental area of Psychology, 2nd reader, 2015
Maliki Ghossainy, Developmental area of Psychology, 2nd reader, 2014

Undergraduate Student Mentoring

Honors Thesis or Capstone Advising

Kenadi Pearson, Psychology, 2025-
Klaudia Misztal, Plan II advisor, 2025-
Sneha Kesavan, Plan II advisor, 2024-
Josie Hart, Plan II advisor, 2024-2025
Maya Perez, Psychology, 2024-2025
Caroline Painter, Psychology, 2024-2025
Ila Kamath, CNS Honors Capstone 2nd reader, May 2024
Mason W. Gosslee, Plan II 2nd reader, Dec 2023
Lalitha Kaligotla, Health Science Scholars, May 2023
Chance Castaneda, Polymathic Scholars, May 2023
Alice Aizza, Psychology, 2020-2021 (Robert J. Glushko prize)
Miranda Toy, Plan II 2nd reader, 2019-2020

Nikita Batra, Health Science Scholars, 2018-2019
Emily Barnes, Plan II, Psychology, 2017-2018
Alyssa Hernandez, Psychology, 2015-2016
Suwetha Amsavelu, Plan II 2nd reader, 2013-2014

Summer Undergraduate Research Experience Advisor

Savannah Trevino, summer 2024
Jessica Galvez, summer 2016
Lynee Herrera, summer 2015

Research Poster Advisor

Klaudia Misztal, Longhorn Poster submission, 2025 (co-mentored with Blaire Porter)
Sneha Kesavan, Longhorn Poster submission, 2022 (co-mentored with Tyler Larguinho)
Phoebe Anderson, Longhorn Poster submission, 2021 (co-mentored with Tehila Nugiel)
AnnaCarolina Garza, Longhorn Poster submission, 2021 (co-mentored with Tehila Nugiel)
Janchira Charoenworawat, Kyle Katigbak, Miriam Ortega, Longhorn Bazaar Poster submission, 2020
Ashley Jacobs, CNS Undergraduate Research Forum Poster submission, 2020
AnnaCarolina Garza, CNS Undergraduate Research Forum Poster submission, 2020
Kinsey Bickham, Longhorn Research Bazaar Poster, April 2019
Yadira Plata, Montse Alonso, Isadora Costa, Longhorn Research Bazaar Poster, April 2019
Delayna Bradshaw and Marie Vu, CNS Undergraduate Research Forum Poster, April 2018
Tiffany Wang, Longhorn Research Bazaar Poster, April 2018
Mackenzie Mitchell, Longhorn Research Bazaar Poster, April 2017

Bridging Disciplines Advisor

Lynsey Campbell, Summer 2021
Miriam Ortega, Fall 2020
Lily Nguyen, Fall 2019
Naqsh Ali, Fall 2018
Madison Tuazon, summer 2017
Kendall Coffey, spring 2016
Rawand Abdelghani, 2015-2016
Kevin Helgren, spring 2015

Intellectual Entrepreneurship (IE) Program Supervisor

Lea Ann Thomas, 2016-2017
Alyssa Hernandez, spring 2015

Other Supervised Lab Members (with current placement)

Mackenzie Mitchell, *former full-time lab manager,* UNC-Chapel Hill doctoral program in Psychology
Annie Zheng, *former full-time lab manager,* Washington University doctoral program in Neuroscience
Joel Martinez, *former full-time lab manager*, Harvard University DSI postdoctoral scholar

Administrative and Professional Service

Departmental Service

Executive Council, 2019-2020; 2021-2023, 2024-
Area head, Cognition, Brain, & Behavior area, 2022-2023
Faculty Liaison for graduate students, 2022-2023
"Work-Life balance" panel member, 2022
3rd year peer reviewer, 2021
Mock grant reviewer: Student NSF, Faculty R01, NSF, Faculty CoLA award, 2020, 2021
Graduate Program Advisory Committee, 2019-present
"Mentoring" Psychology graduate student bootcamp panel member, 2021, 2022
"Tenure" discussion panel member, 2019
"Academic careers" discussion panel member, 2018
"Starting a lab" discussion panel member, 2018

Search committee for Cognitive Neuroscience Professor, 2016, 2017, 2018
Search committee for IRC Research Assistant Professor, 2014, 2015
Mini Maker Faire, Children's Research Center booth, 2014, 2015
Synchronous Massive Online Course (SMOC) committee, Psychology Department, Spring 2013

University and Local Service

Faculty Ombuds, 2025-present
BIC scheduling committee, 2024-present
BIC Advisory Committee, 2021-present
UT COLA pre-medical McReynolds & Kirkpatrick Award Reviewer, 2023-2025
Hiring an Assistant Vice President, Core Facilities, faculty interview group on behest of VPR, 2023
Open Data Subcommittee (Provost Libraries Initiative), 2020-2021
Institute for Neuroscience (INS) admissions committee, 2015-2021
NIH Data Safety Monitoring Board member (Grills-Vaughn UT CoE grant @ NICHD), 2019-present
UT VPR internal Research & Creative Grants award reviewer, October 2020
UT VPR internal competition reviewer, May 2020
Whole Communities Whole Health job search committee, Fall 2019-Spring 2020
Texas Student Research Showdown first-pass judge, Feb. 2020
Texas Student Research Showdown Video Judge, Feb. 2020
College of Natural Sciences Dean Scholars' Lunch presentation, Oct. 2019
Imaging Research Center/Biomedical Imaging Center executive committee, 2014-2019
Neuroimaging pilot proposal grant committee, 2013-2019
Mallinckrodt Grants UT Internal Competition Judge, May 2019
Tenure and Promotion Panel, April 2019
Longhorn Research Poster Session Judge, April 2019
40 Hours for the 40 Acres Ambassador, 2018
INS Bootcamp faculty talks, 2014, 2015, 2018
Liberal Arts Undergraduate Chapter for Research (LAUNCH) Taco'bout Research day, 2018, 2019
Explore UT and Longhorn Halloween science outreach booths, 2013-2016
IRC talk series co-coordinator, 2013-2015, spring 2016

Guest Lectures:

Science Funding. In PSY 333C (Reeves), Spring '25
The reading brain. In PSY 341K (Griffin), Spring '18, Fall '22, Spring '23, Fall '23, Spring '24, Fall '24
Studying the child brain. In BDP101 (Echols), Spring 2019, 2020, 2022, 2023, 2024
Cog Neuro considerations for the study of cognitive development. In PSY387S (Lewis-Peacock), Fall 2021
Faculty spotlight. In LAH 102H (Musick), Fall 2020
fMRI & fNIRS. In CSD/LIN 350 (Hamilton), Fall 2019
Neuroimaging methods for studying development. In PSY341K (Medrano), Fall 2018
Reading in the child's brain: what's the story? In SED 396C (Toste), Spring 2018
Cognitive Control Networks. In CGS360/LIN373/PHL365 (van der Feest), Spring 2017 & 2018
Developmental Cognitive Neuroscience. In PSY 341K (Preston), Spring 2014 & 2015
Approaches for the study of cognitive development; PSY 387R (Schnyer), Spring 2013, 2014, 2015 & 2017
Development of task and self-control. PSY 387R (Schnyer), Spring 2013, 2014, 2015 & 2017

Professional Service

Flux Board of Directors, Sept. 2025-2026
NIH HCMF study section reviewer (ad hoc), April 2025
Grant peer reviewer for U.S.-Israel Binational Science Foundation, April 2025
Guest Editor, Special issue of *Developmental Cognitive Neuroscience* on Flux 2023 conference; 2023-present

Grant peer reviewer for Raine Medical Research Foundation, University of Western Australia, June 2024
NIH Trainee Fellowships (Fs) study section ZRG1-F01A-V reviewer, June 2022; March 2023; June 2023; Nov 2023
Cognitive Development Society Review Panel Chair, 2023: Perception, Attention, Memory, Action, EF
Flux Congress Overall Scientific Program Chair, 2023
Grant peer reviewer for The Netherlands Organization for Scientific Research (NWO), July 2023
Flux Congress grant submission co-author to Jacobs Foundation (awarded, 23.300 CHF), 2023
Consulting Editorial Board Member: *Child Development,* 2019 - 2023
Flux Congress grant submission to Jacobs Foundation (awarded, 17.000 CHF), 2022
Flux Congress Program Committee, 2022
Grant peer reviewer for French National Research Agency, May 2022
Flux Congress grant submission to Jacobs Foundation (awarded, 15.000 CHF), 2021
Science of Learning Symposium Co-Chair, Flux Congress Program Committee, 2021
Small Grants Program reviewer, Society for Research in Child Development (SRCD), Mar. 2020, 2021, 2022, 2023
Society for Research in Child Development (SRCD) conf. abstract reviewer, 2014, 2016, 2018, 2020
GWIS National Fellowship Program reviewer, Apr. 2020
Grant peer reviewer for Israeli Science Foundation (ISF), Mar. 2020
Grant peer reviewer for European Research Council (ERC), Jan. 2020
Grant peer reviewer for United Kingdom Medical Research Council, Dec. 2019
Consulting Editorial Board Member: *Developmental Psychology*, Jan. 2018-Dec. 2019
Review Editor, *Frontiers: Brain Imaging Methods*, Jan. 2015-2019
NSF reviewer, panel and ad-hoc, Cognitive Neuroscience Program, 2019
Flux Society annual conference abstract reviewer, Apr. 2019, 2020
Grant peer reviewer for Israeli Science Foundation (ISF), Apr. 2019
Grant peer reviewer for The Netherlands Organization for Scientific Research (NWO), Apr. 2019
NSF ad-hoc reviewer, Developmental Sciences Program, Mar. 2018
Texas Education Association (TEA) Educator Standards Advisory Committee EC (PK-3rd), 2017
Science of Teaching Reading subcommittee (incl. writing standards)
NIH Temporary study section Cognition/Perception (CP) reviewer, Feb. 2017
NIH Temporary special study section reviewer, Feb. 2017
NSF Graduate Research Fellowship Program (GRFP) reviewer, Jan. 2015

Peer Reviewer (ad hoc since 2008)

Acta Paediatrica, American Journal of Psychiatry, American Journal of Speech-Language Pathology, Annals of Dyslexia, Australian Journal of Psychology, Behavior Research Methods, Biological Psychiatry, Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, Biological Psychiatry: Global Open Science, Brain, Brain & Cognition, Brain & Language, Brain Structure & Function, Cerebral Cortex, Child Development, Cognition, Cognitive Psychology, Communications Biology, Comprehensive Psychiatry, Cortex, Current Opinion in Behavioral Sciences, Developmental Cognitive Neuroscience, Developmental Psychobiology, Developmental Psychology, Developmental Science, The Educational and Developmental Psychologist, European Journal of Neuroscience, Journal of Experimental Child Psychology, Journal of Experimental Psychology: General, Frontiers in Human Neuroscience, Frontiers in Neuroscience: Brain Imaging Methods, Frontiers: Psychiatry, Frontiers: Psychology, Human Brain Mapping, International Journal of Developmental Neuroscience, Journal of Cognitive Neuroscience, Mind Brain and Education, Nature: Communications, Network Neuroscience, Neurobiology of Language, NeuroImage, Journal of Neurological Sciences, Neuropsychologia, Journal of Neuropsychology, Journal of Neuroscience, Journal of Obsessive-Compulsive and Related Disorders, Journal of Pediatrics, PLOSone, Progress in Neuro-Psychopharmacology & Biological Psychiatry, Psychological Bulletin, Psychological Medicine, Psychological Science, Psychosomatic Medicine, Research on Child and Adolescent Psychiatry, Royal Society Proceedings B: Biological Sciences, Scientific Studies of Reading, Social Cognitive & Affective Neuroscience

Professional Memberships

Society for the Scientific Studies of Reading, 2009, 2017-present
Flux: The International Society for Developmental Cognitive Neuroscience, 2013-present
Society for Research in Child Development, 2014-present
Cognitive Development Society, 2014-present
Society for Neuroscience, 2006-2016
Organization for Human Brain Mapping, 2004, 2013-present
Cognitive Neuroscience Society, 2015-2016

Teaching Experience

Graduate:	2016-2018, 2022 (1 sem) PSY 383E "Area Seminar in Cognitive Neuroscience"
	2016, 2019, 2020, 2021, 2022 (1 sem) PSY 387S "Principles of Cognitive Neuroscience"
	2015, 2017 (Fall) PSY 394S "Current topics in Developmental Psychology"
	2015 (Spring) PSY 394S "Studying the Growing Brain"
Undergraduate:	2024 (Fall) PSY 458 "Experimental Psychology"
	2018-present (+ Summer), PSY 333D "Developmental Psychology"
	2013, 2014, 2016, 2019 (Fall) PSY 339, "Behavior Problems in Children"
	2012, 2013, 2014 PSY 304, "Introduction to Child Psychology"