

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

- Associate Professor with Tenure** 2019-present
Department of Psychology
Department of Psychiatry (by courtesy)
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
- Assistant Professor** 2012-2019
Department of Psychology
Department of Psychiatry (by courtesy)
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

* Graduate student advisee Ψ Undergraduate student mentee

** Current/Former lab member

Church, J.A. (*in press*). The brain's control networks in reading: Insights from cross-task studies of youth. *Mind, Brain, and Education*.

Ben-Asher, E.* Porter, B.M.*, Roe, M.A.*, Mitchell, M.E.**, **Church, J.A.** (*in press*). Bidirectional longitudinal relations between executive function and social function across adolescence. *Developmental Psychology*.

Nugiel, T.*, Mitchell, M.E.**, Demeter, D.V. *, Garza, A.C.**, Miciak, J., 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/mbc.12362>

Demeter, D.V.*, Gordon, E.M., Nugiel, T. *, Garza, A.C.**, Larginho, T.L. *, **Church, J.A.** (2023). Resting state cortical hubs in youths. *Cell Reports*, 42, 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*, Apr 20; 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 Adolescent Psychiatry*, 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: Neuroimaging for Cognitive Neuroscience*, 1:981947.
<https://doi.org/10.3389/fnimg.2022.981947>

Porter, B.M. *, Douglas, I.J. **, Larginho, 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*. August 18, 2021.
<https://doi.org/10.1016/j.bpsgos.2021.08.003>

Church J.A., Grigorenko, E.L., Fletcher J.M. (2021). The role of neural and genetic processes in learning to read and specific reading disabilities: Implications for instruction. *Reading Research Quarterly*, *early view*.

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*, August 12, 2021.
<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.

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, 117821.

Church J.A., Fletcher J.M. (2020). Chapter 15: Neuroimaging. Book Chapter. *Literacy Research Methods, 3rd edition*. Mallette and Duke, Eds. Guilford Press.

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.

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

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.

Frazier-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 body mass index and executive functions in childhood. *American Journal of Clinical Nutrition*, 110(4): 814-822. ‡ Co-first authors

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. (Epub May 2019). Genetic associations between executive functions and a general factor of psychopathology. *Journal of American Academy of Child and Adolescent Psychiatry*, 59(6): 749-758.

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.

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. Book Chapter. *All About Language: Science, Theory, and Practice*. Brooks Publishing Co.

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 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*. Advance online publication. <https://doi.org/10.1111/desc.12699>

Updated: June 12, 2023

- 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*. Advance online publication. <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>

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

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

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. 2021-2024. 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

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

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

- 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
- 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
- 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
- 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
- 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. March 2021.
- Texas Center for Learning Disabilities: Project 4 datablitz.* Learning Disability Research Center annual meeting with NIH/NICHD, Virtual. March 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
Adaptive Task Control Signals in Typical Development. Grand Rounds in Child Neurology, Dell Children's Hospital. Austin, TX. July 2013

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

The Developmental Cognitive Neuroscience Lab. Texas Student Psychological Association., 2023, Feb. 2023
HealthScape Journal Club. Dell Medical School. Led discussion of Troller-Renfree et al. 2022., April 2022.
The Developmental Cognitive Neuroscience Lab. Chat with Polymath group, a UT student organization. November 2021.
Pestilli Lab Conversations. Chat about DCN lab with Pestilli Lab, UT Psychology, May 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.
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
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
Reading Comprehension in the Child Brain: What's the Story? Dialogues Seminar Series, The Institute for Neuroscience. 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
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
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
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. 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

2023 Flux Congress for Developmental Cognitive Neuroscience, Santa Rosa, CA. **Scientific Program chair**

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

Science of Learning Panel. Flux Congress 2022, **Symposium Organizer.**

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. Flux Congress 2021, Virtual, Sep. 2021. **Symposium Co-Chair.**

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

Mentee Conference Talks and Symposia (presenting author underlined)

* Graduate student advisee

** Former or current lab member as research assistant or undergraduate

Functional connectivity of cognitive control and learning systems in English learners. Nugiel, T.* Flash talk at 9th Flux Annual Congress, Virtual. Sept. 2021

Quantifying patterns of functional network organization related to executive function in youths. Demeter, D.V.* 1st Annual NIH IRP Outstanding Scholars in Neuroscience Award Program (OSNAP), Virtual presentation to NIH, Washington D.C. Oct. 2020

- Differences in control engagement during sentence reading are related to intervention response in struggling readers.* Nugiel, T.N.*, Roe, M.A.*, **Church, J.A.** Society for the Scientific Studies of Reading, Toronto, Canada. Jul. 2019
- Executive control engagement before and after intervention in struggling readers.* Roe, M.A.*, **Church, J.A.** Society for the Scientific Studies of Reading, Brighton, UK. Jul. 2018
- Accounting for the shared environment in reading and math with measured socioecological contexts.* Engelhardt L.E.*, **Church, J.A.**, Harden, K.P., Tucker-Drob, E. Society for the Scientific Studies of Reading, Brighton, UK. Jul. 2018
- The Relationship Between Ratings of Attention and the Neural Correlates of Sentence Comprehension in Struggling Readers.* Society for Research in Child Development, Austin, TX. Roe M.A.*, Deschner L. **, DeMaster D., Juranek J, **Church J.A.** Apr. 2017
- Task-control network activity over three control-demanding tasks in middle childhood.* Society for Research in Child Development, Austin, TX. Engelhardt L.E.*, Harden K.P., Tucker-Drob E.M., **Church J.A.** Apr. 2017
- Manipulation of cue switching variables in children and adults.* Flux 2nd International Congress for Integrative Dev Cog Neuro, Los Angeles, CA. Bauer J-R.*, Martinez J.E. **, Roe M.A. *, **Church J.A.** Sept. 2014

Academic Advising and Student-related Service

Postdoctoral Researchers

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

Doctoral Students under direct supervision

Eliya Ben-Asher, Psychology, 2021-present
 Blaire Porter, Psychology, 2020-present
 Tyler Larginho, Psychology, 2019-present
 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 postdoc at UNC-CH with Dr. Jessica Cohen)
 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)

Shaden Powell, Ph.D. in Developmental Psychology, anticipated 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)

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)

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

Lalitha Kaligotla, Health Science Scholars, 2023
Chance Castaneda, Polymathic Scholars, 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

Research Poster Advisor

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

Area head, Cognition, Brain, & Behavior area, 2022-2023
 Executive Council, 2019-2020; 2021-2023
 Faculty Liaison for graduate students, 2022-present
 “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

Assistant Vice President, Core Facilities, interview group, 2023
 BIC Advisory Committee, 2021-present
 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:

The reading brain. In PSY 341K (Griffin), Spring 2018, Fall 2022
Studying the child brain. In BDP101 (Echols), Spring 2019, 2020, 2022
Cog Neuro considerations for the study of cognitive development. In PSY387S (Lewis-Peacock), Fall 2021

Updated: June 12, 2023

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 Congress Scientific Program Chair, 2023
 Flux Congress 2nd public outreach session (organizing chair, panel moderation), 2022
 Flux Congress grant submission to Jacobs Foundation (awarded, 17.000 CHF), 2022
 Flux Congress Program Committee, 2022
 NIH Trainee Fellowships (Fs) study section ad-hoc reviewer, June 2022; March 2023
 Grant peer reviewer for French National Research Agency, May 2022
 Flux Congress 1st public outreach session (keynote talk and panel moderation), 2021
 Flux Congress grant submission to Jacobs Foundation (awarded, 15.000 CHF), 2021
 Science of Learning Symposium Co-Chair, Flux Congress Program Committee, 2021
 Consulting Editorial Board Member: *Child Development*, Aug. 2019-present
 Small Grants Program reviewer, Society for Research in Child Development (SRCD), Mar. 2020, 2021, 2022
 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, Brain, 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, European Journal of Neuroscience, 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, NeuroImage, Journal of Neurological Sciences, Neuropsychologia, Journal of Neuropsychology, Journal of Neuroscience, Journal of Obsessive-Compulsive and Related

Updated: June 12, 2023

Disorders, Journal of Pediatrics, PLOsone, Progress in Neuro-Psychopharmacology & Biological Psychiatry, Psychological Bulletin, Psychological Medicine, Psychological Science, Psychosomatic Medicine, Royal Society Proceedings B: Biological Sciences, Social Cognitive & Affective Neuroscience

Professional Memberships

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

Additional Educational Training

Flux 'Allies and Advocates' Group, 2021-present
History of the Black Experience. UT summer course for faculty/staff, online, 2020
Title IX supervisor training. UT Title IX office, UT, 2019
Ally Training. *Affirming LGBTQA+ People: Interpersonal Allyship parts I and II*. Gender and Sexuality Center, UT, 2018
"Modeling Developmental Change" pre-Flux Congress workshop, Portland, Oregon, September, 2017

Teaching Experience

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| <i>Graduate:</i> | 2016-2018, 2022 (1 sem) PSY 383E "Area Seminar in Cognitive Neuroscience" 2016, 2019, 2020, 2021 (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: The latest findings in developmental cognitive neuroscience" |
| <i>Undergraduate:</i> | 2006 (Fall) BIO 5565, "Oral Presentation of Scientific Data" 2018-2023 (1sem + Summer), PSY 333D "Developmental Psychology" 2013, 2014, 2016, 2019 (Fall) PSY 339, "Behavior Problems in Children" 2012, 2013, 2014 PSY 304, "Intro to Child Psychology" |