

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

** Former lab member

Roe, M.A.* , Nugiel, T.* , Engelhardt, L.E.* , **Church, J.A.** (under review). Task control engagement after errors during two tasks in youth.

Porter, B.M.* , Douglas, I.J.* , Larginho, T.L.* , Aristizabal, M.** , Mitchell, M.E.** , Roe, M.A.* , **Church, J.A.** (accepted). Examination of pre-pandemic measures on youth well-being during early stages of the COVID-19 pandemic. August 18, 2021. <https://doi.org/10.1016/j.bpsgos.2021.08.003>

Weng, T., Vela, R.D., Weber, W., Dodla, M., Heinsfeld, A.S., Parker, S.D., Simon, B., Demeter, D.V.* , Nugiel, T.* , Whitmore, L., Mills, K., **Church, J.A.**, Haberman, M., Craddock, R.C. (preprint). The impact of customized head molds on motion and motion-related artifacts from structural and functional MRI scans in children. *MedRxiv* <https://www.medrxiv.org/content/10.1101/2021.03.24.21253213v1>

Barendse, M.E.A., et al. (under review). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic: An international collaborative of 12 samples. *PsyArXiv* <https://psyarxiv.com/hn7us/>

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. Accepted at *Developmental Science*. Advance online publication. <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*. 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

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.stpublicradio.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. 2021-2024. 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

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

- 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

- Flux Public Outreach!* Flux 1st public talk session and panel. Church, J.A., Luna, B., Fair, D., Randolph, A., Parr, A. Role = speaker and 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

- 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. 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

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, 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

Posters

- Resting State Cortical Hubs in Youths.* Demeter, D.V.* , Gordon, E., Nugiel, T.* , Garza, A.C.** , Larginho, T.* , **Church, J.A.** The Flux 9th Annual Congress, Virtual, Sep. 2021
- Pre-pandemic mental health matters: an examination of youth well-being during early stages of the COVID-19 pandemic.* Porter, B.* , Douglas, I.J.* , Larginho, T.* , Aristizabal, M.** , **Church, J.A.** The Flux 9th Annual Congress, Virtual, Sep. 2021
- Developmental and demographic correlates of behavioral responses and coping strategies during the COVID-19 Pandemic.* Douglas, I.J.* , Porter, B.M.* , Larginho, T.* , Aristizabal, M.** , Mitchell, M.E.** , Roe, M.A.* , **Church, J.A.** The Flux 9th Annual Congress, Virtual, Sep. 2021
- Quantifying patterns of resting state fMRI associated with EF task performance in youths.* Demeter, D.V.* , Roe, M.A.* , Gordon, E.M., Mitchell, M.E.** , Nugiel, T.* , Larginho, T.* , Garza A.C.** , **Church, J.A.** Society for Research in Child Development, Virtual, Apr. 2021.
- Evaluating the impact of daytime and sleeping movements on executive function.* Larginho, T.* Demeter, D.V.* , Jackson, N.* , Mitchell, M.E.** , Jacob, A.** , Garcia, N.** , **Church, J.A.** Society for Research in Child Development, Virtual, Apr. 2021.
- Neurobiological evidence for the role of cognitive control for reading and math in English learners.* Nugiel, T.* , Mitchell, M.E.** , Demeter, D.V.* , Garza, A.C.** , Juranek, J., **Church, J.A.** Society for Research in Child Development, Virtual, Apr. 2021.
- Impacts of the COVID-19 Pandemic on Mental Health in Youth and Their Families.* Porter, B.M.* , Douglas, I.* , Larginho, T.* , Aristizabal, M.** , **Church, J.A.** UT COVID-19 Virtual Conference, Nov. 2020
- Brain activity in cognitive control systems is related to academic skill in English learners.* Nugiel, T.* , Mitchell, M.E.** , Demeter, D.V.* , Juranek, J., **Church, J.A.** The Flux 8th Annual Congress, Virtual, in Sep. 2020
- Error-related activity and attention difficulties in children.* Roe M.A.* , Engelhardt L.E.* , Nugiel T.N.* , Mitchell M.E.** , Juranek J., Harden K.P., Tucker-Drob E.M., **Church J.A.** The Flux 7th Annual Congress, New York, NY, in Sep. 2019
- ADHD symptom burden relates to distinct neural activity across executive function domains.* Nugiel T.N.* , Roe M.A.* , Engelhardt L.E.* , **Church J.A.** The Flux 7th Annual Congress, New York, NY, in Sep. 2019
- Functional connectivity at rest is similar across youths and adults and varies with genetic similarity.* Demeter D.* , Engelhardt L.E.* , Mallet, R., Gordon, E., Nugiel T.N.* , Juranek J., Harden K.P., Tucker-Drob E.M., Lewis-Peacock, J., **Church J.A.** The Flux 7th Annual Congress, New York, NY, in Sep. 2019
- We all make mistakes: Consistent error-related activity across children and adolescents.* Roe M.A.* , Engelhardt L.E.* , Nugiel T.N.* , Mitchell M.E.** , Juranek J., Harden K.P., Tucker-Drob E.M., **Church J.A.** The Cognitive Neuroscience Society Annual Meeting, San Francisco, CA, in Mar. 2019
- Brain activity during a cognitive flexibility task relates to IQ and reading ability in children.* Mitchell, M.E.** , Roe M.A.* , Nugiel T.N.* , **Church J.A.** The Cognitive Neuroscience Society Annual Meeting, San Francisco, CA, in Mar. 2019

- ADHD symptom burden has distinct relations to brain activity during different facets of executive function.* Nugiel T.N.* , Roe M.A.* , Engelhardt L.E.* , Mitchell M.E.** , **Church J.A.** The Society for Research in Child Development Annual Meeting, Baltimore, MD, in Mar. 2019
- Identifying twin pairs by classifying variability in whole-brain functional connectivity.* The Society for Neuroscience 48th Annual Meeting, San Diego, CA. Demeter D.V.* , Engelhardt L.E.* , Mallet, R., Roe M.A.* , Nugiel T.N.* , Mitchell M.E.** , Juranek J., Harden K.P., Tucker-Drob E.M., Lewis-Peacock J.A., **Church J.A.** Nov. 2018
- Functional connectivity indicates distinct developmental trajectories of motor function and inhibitory control in Tourette Syndrome.* The Society for Neuroscience 48th Annual Meeting, San Diego, CA. Nielsen A.N., **Church J.A.**, Gratton C., Dosenbach N.U.F., Petersen S.E., Black K.A., Schlaggar B.L., Greene D.J. Nov. 2018
- Data-driven subtyping of children with autism.* Roe M.A.* , **Church J.A.** Texas Autism Research Conference, Austin, TX. Jun. 2018
- Task control network brain activity before intervention relates to future gains in struggling readers.* Society for Neuroscience 47th Annual Meeting, Washington, D.C. Nugiel T.* , Roe M.A.* , Taylor W.P., Fletcher J.M., Juranek J., **Church J.A.** Nov. 2017
- Overlapping regions of error-related activity across three tasks in children.* Flux 4th International Congress for Integrative Dev Cog Neuro, Portland, OR. Roe M.A.* , Engelhardt L.E.* , Juranek J., Harden K.P., Tucker-Drob E., **Church J.A.** Sept. 2017
- Common BOLD activity over three executive function tasks in middle childhood.* Flux 4th International Congress for Integrative Dev Cog Neuro, Portland, OR. Engelhardt L.E.* , Harden K.P., Tucker-Drob E., **Church J.A.** Sept. 2017
- Neural markers for reading gains in children with reading difficulties.* Flux 4th International Congress for Integrative Dev Cog Neuro, Portland, OR. Nugiel T.* , Roe M.A.* , Taylor W.P., Fletcher J.M., Juranek J., **Church J.A.** Sept. 2017
- Externalizing behavior problems impact task performance across executive function domains in a developmental sample.* Flux 4th International Congress for Integrative Dev Cog Neuro, Portland, OR. Zheng A.** , Mitchell M.** , Wang T.** , Larsen M.** , **Church J.A.** Sept. 2017
- Cued task switching performance in children with and without ADHD.* Society for Research in Child Development, Austin, TX. Zheng A.** , Hernandez A.M.** , Bauer J-R.** , Larsen M.E.** , **Church J.A.** Apr. 2017
- Neural correlates of reading improvement in struggling readers.* Flux 3rd International Congress for Integrative Dev Cog Neuro, St. Louis, MO. Roe M.A.* , Deschner L.** , DeMaster D., Juranek J., **Church J.A.** Sept. 2016
- Eye movements relate to developmental differences in cued task switching performance.* Flux 3rd International Congress for Integrative Dev Cog Neuro, St. Louis, MO. Zheng A.** , McBride J.** , Martinez J.E.** , Deschner L.** , **Church J.A.** Sept. 2016
- Comparing child task performance in and out of the scanner.* Flux 3rd International Congress for Integrative Dev Cog Neuro, St. Louis, MO. Engelhardt L.E.* , Harden K.P., Tucker-Drob, E.M., **Church J.A.** Sept. 2016
- Neural correlates of reading comprehension in struggling and typical readers.* Cognitive Neuroscience Society 23rd Annual Meeting, New York, NY. Roe M.A.* , Deschner L.** , Martinez J.** , Mumford J., DeMaster D., Juranek J., **Church J.A.** Apr. 2016
- An eye-tracking investigation of cue and target processing in typical development.* Cognitive Neuroscience Society 23rd Annual Meeting, New York, NY. Zheng A.** , McBride J.** , Martinez J.E.** , Deschner L.** , **Church J.A.** Apr. 2016
- Reliability and heritability of children's head motion during fMRI tasks.* Cognitive Neuroscience Society 23rd Annual Meeting, New York, NY. Engelhardt L.E.* , Harden K.P., Tucker-Drob, E.M., **Church J.A.** Apr. 2016
- Neural correlates of reading comprehension and stop-signal inhibition in struggling and typical readers.* Cognitive Development Society 9th Biennial Meeting, Columbus, OH. Roe M.A.* , Martinez J.E.** , Mumford

- J.A., DeMaster D.M., Juranek J.J., Olmedo L.A.** , Poldrack R.A., Vaughn S.R., Fletcher J.M., **Church J.A.** Oct. 2015
- The impact of OCD and ADHD symptoms symptomatology on parenting stress in children with Tourette syndrome and in typically developing children.* Annual Meeting of the Child Neurology Society, Washington, D.C. Stewart S., Greene D.J., Lessov-Schlaggar C., **Church J.A.**, Bischoff A., Schlaggar B.L. June 2015
- The impact of OCD and ADHD symptoms symptomatology on parenting stress in children with Tourette syndrome and in typically developing children.* 1st World Congress for Tourette Syndrome Association, London, UK. Stewart S., Greene D.J., Lessov-Schlaggar C., **Church J.A.**, Bischoff A., Schlaggar B.L. Jun. 20
- Stop-signal inhibition in pre- and post-intervention struggling readers.* Society for Research in Child Development Biennial Meeting, Philadelphia, PA. Roe M.A.* , Martinez J.E.** , Mumford J.A., Juranek J.J., Olmedo L.A.** , Podrack R.A., Vaughn S.R., Fletcher J.M., **Church J.A.** Mar. 2015
- Exploration of stimulus-level similarity effects in a cued task-switching paradigm.* Society for Research in Child Development Biennial Meeting, Philadelphia, PA. Martinez J.E.** , Bauer J-R.** , Roe M.A.* , **Church J.A.** Mar. 2015
- Neural correlates of reading comprehension pre- and post-intervention in struggling readers.* Society for Neuroscience 44th Annual Meeting, Washington, D.C. Roe M.A.* , Martinez J.E.** , Mumford J.A., Juranek J.J., Olmedo L.A.** , Poldrack R.A., Vaughn S.R., Fletcher J.M., **Church J.A.** Nov. 2014
- Manipulation of cue switching variables in children and adults.* Society for Neuroscience 44th Annual Meeting, Washington, D.C. Bauer J-R.** , Martinez J.E.** , Roe M.A.* , **Church J.A.** Nov. 2014
- Classification of children with Tourette syndrome using resting state functional connectivity MRI.* Society for Neuroscience 44th Annual Meeting, Washington, D.C. Greene D.J., **Church J.A.**, Adeyemo B., Nardos B., Black K.J., Schlaggar B.L. Nov. 2014
- Classification of children with Tourette syndrome using resting state functional connectivity MRI.* Flux 2nd International Congress for Integrative Dev Cog Neuro, Los Angeles, CA. Greene DJ, **Church JA**, Adeyemo B, Nardos B, Black KJ, Schlaggar BL. Sept. 2014
- The unity and diversity framework of executive functions in childhood: A behavioral genetics approach.* Flux 2nd International Congress for Integrative Dev Cog Neuro, Los Angeles, CA. Engelhardt L.E.* , Briley D.A., Mann F.D., **Church J.A.**, Harden K.P., Tucker-Drob E.M. Sept. 2014
- Task control exploration using a cue-target paradigm in children and adults.* Organization for Human Brain Mapping, Hamburg, Germany. **Church JA**, Bunge SA, Petersen SE, Schlaggar BL. Jun. 2014
- Separate cue and target processing in typical development.* Flux 1st International Congress for Integrative Dev Cog Neuro, Pittsburgh, PA. **Church JA**, Bunge SA, Petersen SE, Schlaggar BL. Sept. 2013
- Effects of high motion frames in task fMRI analysis.* Society for Neuroscience, 41st Annual Meeting, Washington D.C. Siegel J.S., Power J.D., Vogel A.C., **Church J.A.**, Schlaggar B.L., Petersen S.E. Nov. 2011
- Functional neuroanatomical separation of rule preparation and task implementation in adolescents.* Society for Neuroscience, 40th Annual Meeting, San Diego, CA. **Church JA**, Lepore RL, McAvoy M, Miezin F, Petersen SE, Bunge SA, Schlaggar BL. Nov. 2010
- Functionally defined regions across the brain organize into distinct community structures.* Society for Neuroscience, 39th Annual Meeting, Chicago, IL. Petersen SE, Power JD, Cohen AL, Nelson SM, Wig GS, Miezin FM, Vogel AC, **Church JA**, Schlaggar BL. Oct. 2009
- Development of network structure in reading related regions.* Society for Neuroscience, 39th Annual Meeting, Chicago, IL. Vogel A.C., **Church J.A.**, Power J., Cohen A., Miezin F.M., Schlaggar B.L., Petersen S.E. Oct. 2009
- Functional MRI analysis of control signals in adolescents with Tourette Syndrome.* Society for Neuroscience, 38th Annual Meeting, Washington, D.C. **Church J.A.**, Dosenbach N.U.F., Wenger K.K., Petersen S.E., Schlaggar B.L. Nov. 2008
- Functional connectivity of reading-related regions in adults.* Human Brain Mapping, 14th Annual Meeting, Melbourne, Australia. Vogel A., **Church J.A.**, Miezin F.M., Schlaggar B.L., Petersen S.E. Jul. 2008

- Development of task control networks.* Child Neurology Society, 36th Annual Meeting, Quebec City, Canada. Dosenbach NUF, Fair DA, **Church JA**, Cohen AL, Miezin FM, Raichle ME, Petersen SE, Schlaggar BL. Oct. 2007
- Regions showing developmental effects in reading studies show length and lexicality effects in adults.* Society for Neuroscience, 36th Annual Meeting, Atlanta, GA. **Church J.A.**, Petersen S.E., Schlaggar B.L. Nov. 2006
- An fMRI study comparing reading repetition in children and adults.* Human Brain Mapping, 10th Annual Meeting, Budapest, Hungary. **Church JA**, Lugar HM, Coalson RS, Petersen SE, Schlaggar BL. Jun. 2004
- Neural correlates of enhanced spatial cognition performance in men.* Capitol Hill, Undergraduate Research Posters, Washington, D.C. Jacobs E., Wraga M., Duncan L., **Church J.** Apr. 2004
- fMRI study of men's enhanced spatial cognition performance during stereotype threat.* Cognitive Neuroscience Society, San Francisco, CA. Wraga M., Jacobs E., Duncan L., **Church J.** Apr. 2004
- Event-related fMRI study of imaginal self and object rotations.* Cognitive Neuroscience Society, San Francisco, CA. Wraga M., **Church J.**, Badre D. Apr. 2002
- Novel Neurotrophin Enhancing Compound, KP66, Attenuates Behavioral Deficits in a Rodent Model of Huntington's Disease.* Society for Neuroscience (SFN), 31st Annual Meeting, San Diego, CA. Gates T.A., **Church J.**, Hancock C., DeCorte R., & Dunbar G.L. Nov. 2001
- Novel Neurotrophin Enhancing Compound, KP66, Attenuates Behavioral Deficits in a Rodent Model of Huntington's Disease.* SFN Michigan Chapter, Lansing, MI. Gates T.A., **Church J.**, Hancock C., DeCorte R., & Dunbar G.L. May 2001
- Painting the landscape of consciousness: theory of mind and narrative skills in oral deaf children.* Research in Child Language Disorders, Madison, WI. de Villiers, P, de Villiers, J, Friedman J, **Church, J**, Gutowski, A, & Shlasko, G. Jun. 2000

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, Psychology, 2016-present

Tehila Nugiel, Psychology, 2016-present

Mary Abbe Roe, Ph.D. in Psychology, 2020

Laura Engelhardt, Ph.D. in Psychology, 2018

- co-advised with Elliot Tucker-Drob, Psychology

Master's Students under direct supervision

Jessie-Raye Bauer, M.A. in Psychology, 2015

Doctoral Dissertation Committees (as Member)

Anthony Dutcher, Institute for Neuroscience, anticipated 2021

Remington Mallet, Cognitive Neuroscience Psychology, anticipated 2021

Athula Pudhiyidath, 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)

Joseph O'Brien, M.A in Developmental Psychology, 2017
Nicholas Griffin, M.A. in Cognitive Neuroscience Psychology, 2017

Qualifying Paper Committees (as Member)

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

Alice Aizza, Psychology, 2020-2021
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*, Princeton University doctoral program in Psychology
Jessica Graves, *former paid research assistant*, University of Pittsburgh master's program in Statistics
Rawand Abdelghani, *former undergraduate researcher*, UT Austin, master's program in Social Work
Lauren Deschner, *former undergraduate researcher*, medical student at UT Health Science Center (UTHSC) at San Antonio
Lea Ann Thomas, *former undergraduate researcher*, research assistant at the Children's Learning Institute, UTHSC at Houston

Administrative and Professional Service

Departmental Service

Executive Council, 2019-2020; 2021-2023
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
“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

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-present
Neuroimaging pilot proposal grant committee, 2013-present
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:

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

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
The reading brain. In PSY 341K (Griffin), Spring 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 Program Committee, 2022
 Flux Congress 1st public outreach session (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
 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, 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, Mind Brain and Education, Nature Communications, 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, Royal Society Proceedings B: Biological Sciences, Social Cognitive & Affective Neuroscience

Professional Memberships

Updated: January 28, 2022

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
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
"The John Merck Fund Summer Institute on the Biology of Developmental Disabilities" at Princeton University, Summer Institute Fellowship, 2006

Teaching Experience

<i>Graduate:</i>	2016-2018 (Spring) PSY 383E "Area Seminar in Cognitive Neuroscience" 2016, 2019, 2020 (Spring, Fall) 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" 2018-2022 (Fall, Summer), PSY 333D "Developmental Psychology" 2013, 2014, 2016, 2019 (Fall) PSY 339, "Behavioral Problems in Children" 2012, 2013, 2014 PSY 304, "Intro to Child Psychology"