

Jessica Church

✉ church@austin.utexas.edu

Publications

JOURNAL ARTICLES

1. Davis, B. R., Garza, A., & Church, J. A. (2022). Key considerations for child and adolescent MRI data collection. *Frontiers in Neuroimaging*, 1. <https://doi.org/10.3389/fnimg.2022.981947>
2. Garcini, L. M., Arredondo, M. M., Berry, O., Church, J. A., Fryberg, S., 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>
3. Barendse, M. E. A., Flannery, J., Cavanagh, C., Aristizabal, M., Becker, S. P., Berger, E., Breaux, R., Campione-Barr, N., Church, J. A., Crone, E. A., Dahl, R. E., Dennis-Tiway, T. A., Dvorsky, M. R., Dziura, S. L., Groep, S. van de, Ho, T. C., Killoren, S. E., Langberg, J. M., Larginho, T. L., ... Pfeifer, J. H. (2022). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic. *Journal of Research on Adolescence*, 33(1), 74–91. <https://doi.org/10.1111/jora.12781>
4. 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*, 1(4), 252–260. <https://doi.org/10.1016/j.bpsgos.2021.08.003>
5. Garza, A., Aizza, A., Charoenworawat, J. K., & Church, J. A. (2021). A core set of brain regions helps kids achieve their goals. *Frontiers for Young Minds*, 9. <https://doi.org/10.3389/frym.2021.618432>
6. Zheng, A., & Church, J. A. (2021). A developmental eye tracking investigation of cued task switching performance. *Child Development*, 92(4), 1652–1672. <https://doi.org/10.1111/cdev.13478>
7. Roe, M. A., Engelhardt, L. E., Nugiel, T., Harden, K. P., Tucker-Drob, E. M., & Church, J. A. (2021). Error-signaling in the developing brain. *NeuroImage*, 227, 117621. <https://doi.org/10.1016/j.neuroimage.2020.117621>
8. 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*. <https://doi.org/10.1002/rrq.439>
9. 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*, 28, 102394. <https://doi.org/10.1016/j.nicl.2020.102394>
10. Greene, D. J., Williams, A. C., Koller, J. M., Schlaggar, B. L., Black, K. J., Martino, A. D., Castellanos, F. X., Coffey, B. J., Milham, M. P., Mengers, A., Somandepalli, K., Mostofsky, S. H., Singer, H. S., Nettles, C., Peterson, D., Piacentini, J., Bookheimer, S. Y., McCracken, J. T., Chang, S., ... and, A. N. (2020). Correction: Brain structure in pediatric tourette syndrome. *Molecular Psychiatry*, 25(11), 3112–3112. <https://doi.org/10.1038/s41380-019-0382-8>
11. Demeter, D. V., Engelhardt, L. E., Mallett, 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. <https://doi.org/10.1016/j.isci.2019.100801>
12. Nielsen, A. N., Gratton, C., Church, J. A., Dosenbach, N. U. F., Black, K. J., Petersen, S. E., Schlaggar, B. L., & Greene, D. J. (2020). Atypical functional connectivity in tourette syndrome differs between children and adults. *Biological Psychiatry*, 87(2), 164–173. <https://doi.org/10.1016/j.biopsych.2019.06.021>
13. Harden, K. P., Engelhardt, L. E., Mann, F. D., Patterson, M. W., Grotzinger, A. D., Savicki, S. L., Thibodeaux, M. L., Freis, S. M., Tackett, J. L., Church, J. A., & Tucker-Drob, E. M. (2020). Genetic associations between executive functions and a general factor of psychopathology. *Journal of the American Academy of Child & Adolescent Psychiatry*, 59(6), 749–758. <https://doi.org/10.1016/j.jaac.2019.05.006>

PREPRINTS

BOOKS

BOOK CHAPTERS

1. Church, J. (2020). Chapter 15: neuroimaging. In *Literacy research methods*, 3rd edition.

Professional Presentations

The DCN Lab Research: Texas Student Psychological Association

AUSTIN, TX

2023

The brain's task control networks in youth and relations to academic performance

VIRTUAL & YOUTUBE STREAM: UNIVERSITY OF CONNECTICUT BIRC

2023

Task control networks and academic skill change

VIRTUAL: UC BERKELEY HUMAN DEVELOPMENT/DEVELOPMENTAL PSYCHOLOGY COLLOQUIUM.

2022

100 Years of Smith Psychology: Alumnae panel

NORTHAMPTON, MA

2022

Big data approaches to the development of brain network hubs.

7TH BIG DATA NEUROSCIENCE WORKSHOP (ACNN). AUSTIN, TX

2022

Flux Public Outreach! role: Organizer and Moderator

VIRTUAL

2022

The brain's control networks in reading: Insights from cross-task studies of youth.

THE DYSLLEXIA FOUNDATION EXTRAORDINARY BRAIN SYMPOSIUM. BERMUDA

2022

Journal Club: Discussion of Troller-Renfree et al. 2022

HEALTHSCAPE JOURNAL CLUB, DELLMED; AUSTIN, TX

2022

Flux 1st public talk session and panel

VIRTUAL

2021

Pestilli Lab Conversations

UT PSYCHOLOGY

2021

The ABCs in the developing brain

ON COURSE WITH LIBERAL ARTS

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.

2021

Probing the brain's control networks in middle childhood.

UNIVERSITY OF NEBRASKA-LINCOLN

2020

The Developmental Cognitive Neuroscience Lab

CHAT WITH WOMEN IN PSYCHOLOGY (WIP) UT STUDENT ORGANIZATION, UNIVERSITY OF TEXAS

2020

The Executive Function Study and future plans of the Church lab at UT

AUSTIN INDEPENDENT SCHOOL DISTRICT

2020

Consistencies Across Executive Function Tasks in the Child Brain. Ignite session: Innovative Methods 1.

UT COLLEGE OF EDUCATION AND AUSTIN INDEPENDENT SCHOOL DISTRICT. AISD PAC.

2020

Conference Abstracts

Factors influencing executive function maturation in adolescence

AGING AND COGNITION CONFERENCE: DALLAS, TX

2023

Science of Learning Panel. Symposium Organizer

FLUX CONGRESS

2022

Behavioral, cognitive, and neural mechanisms of the performance-monitoring system in reading: Error-signaling in the developing brain

SOCIETY FOR THE SCIENTIFIC STUDIES OF READING. LONG BEACH, CA

2022

Science of Learning Panel; Symposium Co-Chair

FLUX CONGRESS 2021 (VIRTUAL)

2021

Texas Center for Learning Disabilities: Project 4 datablitz	
NICHD	2021
COVID-19 impacts on well-being of Austin-area youths and their parents	
UT COVID-19 VIRTUAL CONFERENCE	2020
The role of the brain’s control system in middle elementary struggling readers	
INTERNATIONAL DYSLEXIA ASSOCIATION	2020
Dichotomous vs. continuous approaches for studying learning difficulties, ADHD, and predicting intervention response	
OHBM VIRTUAL CONFERENCE,	2020
Functional Neuroimaging	
DELL MEDICAL SCHOOL, AUSTIN, TX	2020

Honors

Funding

Brain changes related to learning loss in children	<i>Directorate for Social, Behavioral & Economic Sciences, 1941193</i>
FUNDING: \$801,438	2021 - 2024
Understanding Task- and Resting-State Neural Activation in Relation to Real-World Social Behavior	<i>Directorate for Social, Behavioral & Economic Sciences, 2021806</i>
FUNDING: \$725,673	2021 - 2024
Texas Center for Learning Disabilities	<i>National Institute of Child Health and Human Development, P50HD052117</i>
FUNDING: \$22,981,744	2006 - 2022

Service

Faculty Liaison	<i>Austin, US</i>
PSYCHOLOGY FACULTY LIAISON	2022 - present
The Biomedical Imaging Center Executive Committee	<i>Austin, US</i>
COMMITTEE MEMBER	2021 - present
Graduate Program Advisory Committee	<i>Austin, US</i>
GRADUATE PROGRAM ADVISORY COMMITTEE MEMBER	2019 - present
Child Development	<i>Washington DC, US</i>
CONSULTING EDITORIAL BOARD MEMBER	2019 - present
Peer reviewer	<i>virtual, US</i>
AD HOC REVIEWER FOR (RECENT SUBSET) : BIOLOGICAL PSYCHIATRY, BIOLOGICAL PSYCHIATRY: COGNITIVE NEUROSCIENCE AND NEUROIMAGING, CHILD DEVELOPMENT, JOURNAL OF COGNITIVE NEUROSCIENCE, DEVELOPMENTAL SCIENCE, NATURE: COMMUNICATIONS, NEUROIMAGE, JOURNAL OF PEDIATRICS, PSYCHOLOGICAL SCIENCE	2018 - present
Flux Congress	<i>Santa Rosa, US</i>
SCIENTIFIC PROGRAM CHAIR	2022 - 2023
Area Head of CBB	<i>Austin, US</i>
AREA HEAD OF COGNITION BRAIN AND BEHAVIOR	2022 - 2023

NIH Reviewer

2 PANELS

Flux Annual Congress

SCIENTIFIC PROGRAM CHAIR

Executive Council of Psychology

2-YEAR MEMBER

Society for Research in Child Development (SRCD)

SMALL GRANTS PROGRAM REVIEWER

Flux Congress Grant

WROTE FUNDING REQUEST TO JACOBS FOUNDATION FOR FLUX 2022

The University of Texas at Austin

“MENTORING” BOOTCAMP PANEL MEMBER

Flux Congress

SCIENTIFIC PROGRAM COMMITTEE

Flux Congress

SCIENCE OF LEARNING SYMPOSIUM CO-CHAIR; PROGRAM COMMITTEE

Flux Congress

CONFERENCE GRANT SUBMITTER TO JACOBS FOUNDATION (AWARDED: 15.000CHF)

Flux Congress

ORGANIZER OF 1ST PUBLIC OUTREACH SESSION (TALK AND PANEL)

The University of Texas at Austin

OPEN DATA SUBCOMMITTEE (PROVOST LIBRARIES INITIATIVE)

The University of Texas at Austin

MOCK GRANT REVIEWER: NSF GRFP, FACULTY R01, FACULTY COLA AWARD

The University of Texas at Austin

INSTITUTE FOR NEUROSCIENCE ADMISSIONS COMMITTEE

The University of Texas at Austin

TEXAS STUDENT RESEARCH SHOWDOWN VIDEO AND FIRST-PASS JUDGE

The University of Texas at Austin

VPR INTERNAL COMPETITION REVIEWER

The University of Texas at Austin

VPR INTERNAL RESEARCH & CREATIVE GRANTS REVIEWER

Graduate Women in Science

NATIONAL FELLOWSHIP REVIEWER

The University of Texas at Austin

WHOLE COMMUNITIES WHOLE HEALTH (WCWH) JOB SEARCH COMMITTEE

The University of Texas at Austin

NIH DATA SAFETY MONITORING BOARD MEMBER (UT COE GRANT @NICHHD)

The University of Texas at Austin

EXECUTIVE COUNCIL

Society for Research in Child Development

MAIN CONFERENCE ABSTRACT REVIEWER (BIANNUALLY)

Washington DC, US

2022 - 2023

Santa Rosa, US

2022 - 2023

Austin, US

2021 - 2023

Washington DC, US

2020 - 2023

Paris, FR

2022 - 2022

Austin, US

2021 - 2022

Paris, FR

2021 - 2022

Virtual, US

2021 - 2021

Virtual, US

2021 - 2021

Virtual, US

2021 - 2021

Austin, US

2020 - 2021

Austin, US

2020 - 2021

Austin, US

2015 - 2021

Austin, US

2020 - 2020

Austin, US

2020 - 2020

Austin, US

2020 - 2020

Minneapolis, US

2020 - 2020

Austin, US

2019 - 2020

Austin, US

2019 - 2020

Austin, US

2019 - 2020

Washington, US

2014 - 2020

Mentoring and Teaching

MENTORING

Eliya Ben-Asher	
GRADUATE ADVISOR	2021 - present
Blaire Porter	
GRADUATE ADVISOR	2020 - present
Tyler Larginho	
GRADUATE ADVISOR	2019 - present
Health Scholars Capstone	
MENTOR	2022 - 2023
Polymaths Capstone Project	
MENTOR	2022 - 2023
Dylan Kirsch	
DISSERTATION COMMITTEE MEMBER	2021 - 2022
Valeria Tretyak	
DISSERTATION COMMITTEE MEMBER	2021 - 2022
Anthony Dutcher	
DISSERTATION COMMITTEE MEMBER	2020 - 2022
Hannah Claussenius-Kalman, University of Houston	
DISSERTATION COMMITTEE MEMBER	2019 - 2022
Lynsey Campbell	
BRIDGING DISCIPLINES ADVISOR	2021 - 2021
AnnaCarolina Garza	
UNDERGRADUATE LONGHORN POSTER SUBMISSION (CO-MENTORED WITH TEHILA NUGIEL)	2021 - 2021
Phoebe Anderson	
UNDERGRAD LONGHORN POSTER SUBMISSION (CO-MENTORED WITH TEHILA NUGIEL)	2021 - 2021
Zheng Zhang, College of Education, Special Education	
READER/EXAMINER FOR QUALIFYING EXAM	2021 - 2021
Alice Aizza	
UNDERGRADUATE HONORS THESIS ADVISOR	2020 - 2021
Remington Mallett	
DISSERTATION COMMITTEE MEMBER	2020 - 2021
Tehila Nugiel	
GRADUATE ADVISOR/DISSERTATION COMMITTEE CHAIR	2016 - 2021
Damion Demeter	
GRADUATE ADVISOR/DISSERTATION COMMITTEE CHAIR	2016 - 2021
Miriam Ortega	
BRIDGING DISCIPLINES ADVISOR	2020 - 2020
AnnaCarolina Garza	
CNS UNDERGRADUATE RESEARCH FORUM POSTER SUBMISSION (MENTOR)	2020 - 2020
Ashley Jacobs	
CNS UNDERGRADUATE RESEARCH FORUM POSTER SUBMISSION MENTOR	2020 - 2020
Janchira Charoenworawat, Kyle Katigbak, Miriam Ortega	
UNDERGRADUATE LONGHORN POSTER SUBMISSION	2020 - 2020
Zachary Bretton-Granatoor, Institute for Neuroscience	
QUALIFYING EXAMINER	2020 - 2020
Miranda Toy	
PLAN II 2ND READER	2019 - 2020

Athula Pudhiyidath DISSERTATION COMMITTEE MEMBER	2019 - 2020
Mary Abbe Roe (Barnes) GRADUATE ADVISOR/DISSERTATION COMMITTEE CHAIR	2015 - 2020
TEACHING	
Guest lecture for: Language Processing PSY387C; Fall 2022, Spring 2023	2022 - 2023
BDP 101 GUEST LECTURE: "STUDYING THE CHILD BRAIN"	2019 - 2023
PSY 333D: Introduction to Developmental Psychology INSTRUCTOR: SMOC VERSION	2018 - 2023
PSY 387S: Principles of Cognitive Neuroscience INSTRUCTOR	2016 - 2023
LAH 102H (Musick) GUEST LECTURE FOR FACULTY SPOTLIGHTS	2020 - 2020