

Publications

JOURNAL ARTICLES

1. Nugiel, T., Demeter, D. V., Mitchell, M. E., Garza, A., Hernandez, A. E., Juranek, J., & Church, J. A. (2023). Brain connectivity and academic skills in english learners. *Cerebral Cortex*, 34(1). <https://doi.org/10.1093/cercor/bhad414>
2. Burenkova, O. V., Naumova, O. Yu., Church, J. A., Juranek, J., Fletcher, J. M., & Grigorenko, E. L. (2024). Associations between telomere length, glucocorticoid receptor gene DNA methylation, volume of stress-related brain structures, and academic performance in middle-school-age children. *Comprehensive Psychoneuroendocrinology*, 17, 100223. <https://doi.org/10.1016/j.cpnec.2023.100223>
3. Porter, B. M., Roe, M. A., Mitchell, M. E., & Church, J. A. (2023). A longitudinal examination of executive function abilities, attention-deficit/hyperactivity disorder, and puberty in adolescence. *Child Development*. <https://doi.org/10.1111/cdev.14057>
4. Ben-Asher, E., Porter, B. M., Roe, M. A., Mitchell, M. E., & Church, J. A. (2023). Bidirectional longitudinal relations between executive function and social function across adolescence. *Developmental Psychology*, 59(9), 1587–1594. <https://doi.org/10.1037/dev0001580>
5. Demeter, D. V., Gordon, E. M., Nugiel, T., Garza, A., Larguinho, T. L., & Church, J. A. (2023). Resting-state cortical hubs in youth organize into four categories. *Cell Reports*, 42(5), 112521. <https://doi.org/10.1016/j.celrep.2023.112521>
6. Aizza, A., Porter, B. M., & Church, J. A. (2023). Youth pre-pandemic executive function relates to year one COVID-19 difficulties. *Frontiers in Psychology*, 14. <https://doi.org/10.3389/fpsyg.2023.1033282>
7. 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>
8. 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>
9. 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., Larguinho, 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>
10. Porter, B. M., Douglas, I. J., Larguinho, T. L., Aristizabal, M., Mitchell, M. E., Roe, M. A., & Church, J. A. (2021). Examination of pre-pandemic measures on youth well-being during early stages of the COVID-19 pandemic. *Biological Psychiatry Global Open Science*, 1(4), 252–260. <https://doi.org/10.1016/j.bpsgos.2021.08.003>
11. 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>
12. 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*, 58(2), 203–219. <https://doi.org/10.1002/rrq.439>
13. 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>
14. 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>

PREPRINTS

BOOKS

BOOK CHAPTERS

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 Dyslexia 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

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

NICHHD

2021

Honors

Funding

Brain changes related to learning loss in children

FUNDING: \$801,438

Directorate for Social, Behavioral &
Economic Sciences, 1941193

2021 - 2024

Understanding Task- and Resting-State Neural Activation in Relation to Real-World Social Behavior

FUNDING: \$725,673

Directorate for Social, Behavioral &
Economic Sciences, 2021806

2021 - 2024

Texas Center for Learning Disabilities

FUNDING: \$22,981,744

National Institute of Child Health
and Human Development,

P50HD052117

2006 - 2022

Service

The Biomedical Imaging Center Executive Committee

COMMITTEE MEMBER

Austin, US

2021 - present

Graduate Program Advisory Committee

GRADUATE PROGRAM ADVISORY COMMITTEE MEMBER

Austin, US

2019 - present

Peer reviewer

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

NIH Reviewer

4 PANELS

Washington DC, US

2022 - 2023

Flux Congress

SCIENTIFIC PROGRAM CHAIR

Santa Rosa, US

2022 - 2023

Area Head of CBB

AREA HEAD OF COGNITION BRAIN AND BEHAVIOR

Austin, US

2022 - 2023

Flux Annual Congress

SCIENTIFIC PROGRAM CHAIR

Santa Rosa, US

2022 - 2023

Faculty Liaison

PSYCHOLOGY FACULTY LIAISON

Austin, US

2022 - 2023

Executive Council of Psychology

2-YEAR MEMBER

Austin, US

2021 - 2023

Society for Research in Child Development (SRCD)

SMALL GRANTS PROGRAM REVIEWER

Washington DC, US

2020 - 2023

Child Development

CONSULTING EDITORIAL BOARD MEMBER

Washington DC, US

2019 - 2023

Flux Congress Grant

WROTE FUNDING REQUEST TO JACOBS FOUNDATION FOR FLUX 2022

Paris, FR

2022 - 2022

Flux Congress

SCIENTIFIC PROGRAM COMMITTEE

Paris, FR

2021 - 2022

The University of Texas at Austin

"MENTORING" BOOTCAMP PANEL MEMBER

Austin, US

2021 - 2022

Flux Congress

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

Virtual, US

2021 - 2021

Flux Congress

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

Virtual, US

2021 - 2021

Flux Congress

SCIENCE OF LEARNING SYMPOSIUM CO-CHAIR; PROGRAM COMMITTEE

Virtual, US

2021 - 2021

The University of Texas at Austin

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

Austin, US

2020 - 2021

The University of Texas at Austin

OPEN DATA SUBCOMMITTEE (PROVOST LIBRARIES INITIATIVE)

Austin, US

2020 - 2021

The University of Texas at Austin

INSTITUTE FOR NEUROSCIENCE ADMISSIONS COMMITTEE

Austin, US

2015 - 2021

Mentoring and Teaching

MENTORING

Blaire Porter

GRADUATE ADVISOR

2020 - present

Tyler Larginho

GRADUATE ADVISOR

2019 - present

Polymaths Capstone Project

MENTOR

2022 - 2023

Health Scholars Capstone

MENTOR

2022 - 2023

Eliya Ben-Asher

GRADUATE ADVISOR

2021 - 2023

Valeria Tretyak

DISSERTATION COMMITTEE MEMBER

2021 - 2022

Dylan Kirsch

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

Zheng Zhang, College of Education, Special Education

READER/EXAMINER FOR QUALIFYING EXAM

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

Remington Mallett

DISSERTATION COMMITTEE MEMBER

2020 - 2021

Alice Aizza

UNDERGRADUATE HONORS THESIS ADVISOR

2020 - 2021

Damion Demeter

GRADUATE ADVISOR/DISSERTATION COMMITTEE CHAIR

2016 - 2021

Tehila Nugiel

GRADUATE ADVISOR/DISSERTATION COMMITTEE CHAIR

2016 - 2021

TEACHING

Guest lecture for: Language Processing PSY387C; Fall 2022, Spring 2023

2022 - present

BDP 101

GUEST LECTURE: “STUDYING THE CHILD BRAIN”

2019 - 2023

PSY 333D: Introduction to Developmental Psychology

INSTRUCTOR: SMOG VERSION

2018 - 2023

PSY 387S: Principles of Cognitive Neuroscience

INSTRUCTOR

2016 - 2023