

Jessica Church

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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. Church, J. A. (2023). The brain's control networks in reading: Insights from cross-task studies of youth. *Mind, Brain, and Education*, 17(4), 257–266. <https://doi.org/10.1111/mbe.12372>
5. 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>
6. Demeter, D. V., Gordon, E. M., Nugiel, T., Garza, A., Larginho, 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>
7. Nugiel, T., Mitchell, M. E., Demeter, D. V., Garza, A., Cirino, P. T., Hernandez, A. E., Juranek, J., & Church, J. A. (2023). Brain engagement during a cognitive flexibility task relates to academic performance in english learners. *Mind, Brain, and Education*, 17(2), 149–160. <https://doi.org/10.1111/mbe.12362>
8. 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>
9. 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/rq.439>
10. 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>
11. 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>
12. 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>
13. 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>
14. 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>
15. 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>
16. 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

Variability in ability: Studies of reading and control.

VIRTUAL: T32 SEMINAR. NEW YORK STATE PSYCHIATRIC INSTITUTE, COLUMBIA UNIVERSITY, NEW YORK

2023

The American Family

COLA OPEN FORUM DIALOGUE SERIES, AUSTIN, TX

2023

The Scientist as a Responsible Member of Society

UT IRB RCR TRAINING WORKSHOP PRESENTER, AUSTIN, TX

2023

The Developmental Cognitive Neuroscience Lab

UT SURE PSYCHOLOGY STUDENTS, AUSTIN, TX

2023

Variability in ability: Brain studies of reading and control.

IDEA CENTER, DIPF/GOETHE UNIVERSITY, FRANKFURT, GERMANY

2023

Control and Reading and Kids, Oh My!

STEVEN PETERSEN FESTSCHRIFT, WASHINGTON UNIVERSITY IN ST. LOUIS

2023

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

The Difference a Positive Experience Can Make: Considerations from Developmental Neuroimaging Research

UT IRB RCR TRAINING WORKSHOP, OFFICE OF RESEARCH SUPPORT & COMPLIANCE

2022

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

Conference Abstracts

Thank you/Wrap up: Flux 2023 (Scientific Program Chair)

FLUX CONGRESS 2023

2023

Welcome! Opening the 2023 Flux Congress for Integrative Developmental Cognitive Neuroscience (Scientific Program Chair)

FLUX CONGRESS 2023

2023

Using Frontera to analyze brain data

TACC 2023, 3RD FRONTERA USER MEETING. AUSTIN, TX

2023

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

McReynolds and Kirkpatrick Memorial Awards in Pre-Medical Studies Committee

AWARD SELECTION COMMITTEE MEMBER

Austin, US
2023 - present

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

virtual, US

2018 - present

Flux Congress 2023 Special Issue

SPECIAL ISSUE MANAGING GUEST EDITOR

Cognitive Development Society, Review Panel Chair

NIH Reviewer

4 PANELS

Flux Congress

SCIENTIFIC PROGRAM CHAIR

Area Head of CBB

AREA HEAD OF COGNITION BRAIN AND BEHAVIOR

Netherlands Organisation for Applied Scientific Research

GRANT PEER REVIEWER

UT VPR, Faculty Interview Committee for hiring VP Core Facilities

Flux Congress

GRANT SUBMISSION CO-AUTHOR TO JACOBS FOUNDATION (AWARDED 23.300 CHF) FOR FUNDING FLUX 2023

Faculty Liaison

PSYCHOLOGY FACULTY LIAISON

Executive Council of Psychology

2-YEAR MEMBER

Society for Research in Child Development (SRCD)

SMALL GRANTS PROGRAM REVIEWER

Child Development

CONSULTING EDITORIAL BOARD MEMBER

Flux Congress Grant

WROTE FUNDING REQUEST TO JACOBS FOUNDATION FOR FLUX 2022

Flux Congress

SCIENTIFIC PROGRAM COMMITTEE

The University of Texas at Austin

“MENTORING” BOOTCAMP PANEL MEMBER

Flux Congress

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

Flux Congress

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

Flux Congress

SCIENCE OF LEARNING SYMPOSIUM CO-CHAIR; PROGRAM COMMITTEE

The University of Texas at Austin

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

The University of Texas at Austin

OPEN DATA SUBCOMMITTEE (PROVOST LIBRARIES INITIATIVE)

The University of Texas at Austin

INSTITUTE FOR NEUROSCIENCE ADMISSIONS COMMITTEE

*Developmental Cognitive
Neuroscience Journal, US*

2023 - 2024

Virtual, US

2023 - 2023

Washington DC, US

2022 - 2023

Santa Rosa, US

2022 - 2023

Austin, US

2022 - 2023

Delft, NL

2023 - 2023

Austin, US

2023 - 2023

Santa Rosa, US

2023 - 2023

Austin, US

2022 - 2023

Austin, US

2021 - 2023

Washington DC, US

2020 - 2023

Washington DC, US

2019 - 2023

Paris, FR

2022 - 2022

Paris, FR

2021 - 2022

Austin, US

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

Mentoring and Teaching

MENTORING

Tin Nguyen	CO-POSTDOCTORAL ADVISOR	2023 - <i>present</i>
Blaire Porter	GRADUATE ADVISOR	2020 - <i>present</i>
Tyler Larginho	GRADUATE ADVISOR	2019 - <i>present</i>
Caroline Painter	HONORS THESIS ADVISOR	2024 - 2024
Mason Gosslee	PLAN II SECOND READER	2023 - 2023
Fortunado Medrano	DISSERTATION COMMITTEE MEMBER	2022 - 2023
Shaden Powell	DISSERTATION COMMITTEE MEMBER	2022 - 2023
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, Fall 2023

2022 - present

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