

Joshua T. McMains

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📍 125 Baldwin Street, Athens, GA

Education

Aug 2019 - Present | **Ph.D., Cognitive Neuroscience** (Expected May 2024)
University of Georgia
Advisor: Dr. Lawrence H. Sweet

Aug 2016 - May 2018 | **M.S., Experimental Psychology**
Georgia Southern University
Thesis: *Dietary Patterns and Food Stimuli*
Advisor: Dr. Janice N. Steirn

Aug 2011 - May 2015 | **B.S., Psychology**
University of Georgia

Research Experience

Aug 2019 - Present | **Graduate Research Assistant**
Clinical Neuroscience Laboratory
Department of Psychology, University of Georgia
Supervisor: Lawrence Sweet, Ph.D.

Conducts fMRI data analysis using AFNI (Analysis of Functional Neuroimages).
Manages large datasets for fMRI studies.
Operates MRI scanner for in-lab and collaborator research studies.
Mentors and collaborates with undergraduate research assistants.

Aug 2016 – May 2018 | **Graduate Research Coordinator**
Department of Psychology, Georgia Southern University
Supervisor: Janice Steirn, Ph.D.

Designed and implemented original research studies.
Supervised and trained undergraduate research assistants.
Completed all data cleaning, storage, and analysis.
Learned galvanic skin response and heart rate equipment procedures.

Aug 2015 – Jul 2016 | **Data Management Coordinator**
Clinical Neuroscience Laboratory
Department of Psychology, University of Georgia
Supervisor: Lawrence Sweet, Ph.D.

Coordinated behavioral data entry and management for the lab.
Collaborated with graduate students to analyze data needed for research projects.
Analyzed data for poster presentations.

Provided weekly updates on the state of data entry.

Aug 2014 –
Jul 2016

Research Assistant

Clinical Neuroscience Laboratory
Department of Psychology, University of Georgia
Supervisor: Lawrence Sweet, Ph.D.

Attained training in fMRI research methodology and safety.

Administered neuropsychological assessment tests:

Wechsler Abbreviated Scale of Intelligence (WASI-II)

Wechsler Test of Adult Reading (WTAR)

D-KEFS Trail Making Test (TMT)

Digit Span

Involved in participant recruitment.

Learned concepts and techniques of neuropsychology and addiction research.

Jan 2014 –
Jun 2014

Research Assistant

Experimental and Clinical Psychopharmacology Laboratory
Department of Psychology, University of Georgia
Supervisor: James MacKillop, Ph.D.

Worked with participants by running computer tasks and gathering data.

Obtained quotes for analyzing saliva and cotinine samples.

Shipped saliva and cotinine samples off for analysis.

Learned data entry and coding methodology.

Learned concepts and techniques of psychopharmacology and behavioral economics.

Publications

Manuscripts in Preparation

1. **McMains, J. T.**, Liu, S., Oshri, A., Sweet, L. H. (n.d.). *Child Maltreatment, Stress Reactivity, Distress Tolerance, and Substance Use*.

Research Presentations

1. Worsdale, A., Liu, J., **McMains, J.**, Fabbriatore, Wicke, R., J., Jones, E., & Sweet, L. (2023, March). *Neural activation in ventral striatum during anti-vaping message exposure predicts vaping intention among young adult vapers: The moderating role of depression*. Poster presented at the Society for Research on Nicotine and Tobacco (SRNT) Annual Meeting in San Antonio, TX.
2. Worsdale, A., Liu, J., **McMains, J.**, Fabbriatore, Wicke, R., J., Jones, E., & Sweet, L. (2023, March). *Linking neural response to flavored vape packaging and subsequent cigarette smoking severity: The moderating role of depression*. Paper presented at the Society for Research on Nicotine and Tobacco (SRNT) Annual Meeting in San Antonio, TX.
3. Liu, J., **McMains, J.**, Fabbriatore, J., Worsdale, A., Jones, E., Bhatikar, N., Wang, Y., S., D., & Sweet, L. (March 2023). *Neural response to flavored e-cigarette packages predicts vaping frequency among non-smoking young adult vapers*. Paper presented at the Society for Research on Nicotine and Tobacco (SRNT) Annual Meeting in San Antonio, TX.
4. **McMains, J. T.** (2022, September). *Neural Responses to Vaping PSAs and Packages in Young Adult*

Vapers. Third Year Research Talk presented for the Behavioral and Brain Sciences (BBS) Program at the University of Georgia, Athens, GA.

5. **McMains, J. T.** (2022, September). *Neural Responses to Vaping PSAs and Packages in Young Adult Vapers*. Research talk presented at the University of Georgia (UGA) Undergraduate Neuroscience Organization (UNO) Bi-Weekly Meeting, Athens, GA.
6. Liu, J., **McMains, J. T.**, Fabbriatore, J. L., Jones, E. C., Worsdale, A., Oshri, A., Sweet, L. H. (2022, June). *Neural Response to Flavored E-Cigarette Packages Predicts Cigarette Smoking among Non-Smoking Vapers*. Poster presented at the Organization for Human Brain Mapping (OHMB) 2022 Annual Meeting, Glasgow, Scotland.
7. **McMains, J. T.**, Liu, J., Fabbriatore, J. L., Jones, E. C., Worsdale, A., Wicke, R. S., Sweet, L. H. (2022, March). *Comparing Brain Activation by Anti-Vaping Message Appeals with Young Adult Vapers*. Poster presented at the 28th Annual Meeting of the Society for Research on Nicotine and Tobacco (SRNT), Baltimore, MD.
8. Liu, J., **McMains, J. T.**, Fabbriatore, J. L., Jones, E. C., Worsdale, A., Wicke, R. S., Sweet, L. H. (2022, March). *Neural Markers of Critical Thinking and Vaping Frequency Following Anti-Vaping Campaign Message Exposure in Young Adult Vapers*. Poster presented at the 28th Annual Meeting of the Society for Research on Nicotine and Tobacco (SRNT), Baltimore, MD.
9. **McMains, J. T.** (2020, October). *Child Maltreatment, Stress Reactivity, Distress Tolerance, and Substance Use*. First Year Project Presentation for the Behavioral and Brain Sciences (BBS) Program at the University of Georgia, Athens, GA.
10. **McMains, J. T.**, Steirn, J. N. (2018, April). *Dietary Patterns and Physiological Responses to Food Stimuli*. Poster presented at the 2018 Georgia Southern University Research Symposium, Statesboro, GA.
11. **McMains, J. T.**, Culianos, D. M., Woodcock, L. R., Byl, C. L., Steirn, J. N. (2018, March). *Dietary Patterns and Food Stimuli*. Poster presented at the 64th Annual Meeting of the Southeastern Psychological Association (SEPA), Charleston, SC.
12. **McMains, J. T.**, Culianos, D. M., Green, S. N., Padgett, J. A., Steirn, J. N. (2018, March). *Electronic Gameplay with Varying Stimuli*. Poster presented at the 64th annual meeting of the Southeastern Psychological Association (SEPA), Charleston, SC.
13. Hallowell, E. S., **McMains, J. T.**, Liebel, S. W., Duda, B. M., Clark, U. S., Xu, X., Niaura, R. S., Sweet, L. H. (2017, February). *The effect of severity of cigarette smoking and early life stress on affect*. Poster presented at the 45th annual meeting of the International Neuropsychological Society (INS), New Orleans, LA.
14. **McMains, J. T.**, Hallowell, E. S., Clark, U. S., Xu, X., Niaura, R. S. & Sweet, L. H. (2016, February). *Early life stress, affect, and smoking intensity and duration: a mediation analysis*. Poster was presented at the 2016 Georgia Psychological Association (GPA) Annual Meeting, Augusta, GA.
15. Liebel, S. W., Clark, U. S., Xu, X., **McMains, J. T.**, Riskin-Jones, H. H., Hawkshead, B. E., . . . Sweet, L. H. (2015, February). *Evaluating the reliability and construct validity of an fMRI-compatible Symbol Search task*. Poster presented at the 43rd Annual Meeting of the International Neuropsychological Society (INS), Denver, CO.

Teaching Experience & Mentorship

Faculty Positions

Aug 2022 – Present

Adjunct Instructor

Athens Technical College

Introductory Psychology (Average Enrollment: 16)

Spring 2023a [Hybrid]

Spring 2023b [Hybrid]

	Fall 2022 [Hybrid]
Jan 2021 – Present	<p>Adjunct Instructor Young Harris College</p> <p>Introduction to Psychology (Average Enrollment: 25) Spring 2023a [Online] Spring 2023b [Online] Fall 2022 [Online] Spring 2022 [Online] Fall 2021 [Online] Spring 2021a [F2F] Spring 2021b [Online]</p>
Aug 2018 – May 2019	<p>Limited-Term Instructor Georgia Southern University</p> <p>Introduction to Psychology (Average Enrollment: 35) Spring 2019a [F2F] Spring 2019b [F2F] Fall 2018a [F2F] Fall 2018b [F2F]</p> <p>Research and Analysis I (Statistics in Psychological Research) (Average Enrollment: 20) Spring 2019a [F2F] Spring 2019b [F2F] Fall 2018 [F2F]</p> <p>Abnormal Psychology (Average Enrollment: 22) Fall 2018a [F2F] Fall 2018b [F2F]</p> <p>Cognitive Psychology (Average Enrollment: 35) Spring 2019 [F2F]</p>

Teaching Assistantships

Aug 2019 – Present	<p>Graduate Teaching Assistant – Instructor of Record (unless noted otherwise) University of Georgia</p> <p>Abnormal Psychology / Psychopathology (Average Enrollment: 17) Summer 2022 [F2F] Summer 2021 [Online] – Teaching Assistant</p> <p>Research Design in Psychology (Average Enrollment: 35) Fall 2020 [Hybrid]</p> <p>Research Analysis in Psychology (Average Enrollment: 35) Spring 2021 [Hybrid] – Teaching Assistant</p> <p>Cognitive Psychology (Average Enrollment: 36) Fall 2019 [F2F]</p> <p>Physiological and Comparative Psychology (Average Enrollment: 40) Spring 2020 [Hybrid]</p> <p>Cognitive Neuroscience (Average Enrollment: 25) Summer 2023 [F2F] Spring 2023 [F2F] Fall 2022 [F2F] Fall 2021 [F2F]</p>
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Aug 2017 –
May 2018

Teaching Assistant 2 - Instructor of Record

Georgia Southern University

Introduction to Psychology

Spring 2018a [F2F]

Spring 2018b [F2F]

Fall 2017a [F2F]

Fall 2017b [F2F]

Aug 2016 –
May 2017

Teaching Assistant 1 - Lab Instructor

Georgia Southern University

Research Methods

Lecture Instructor: Dr. Ty W. Boyer

Spring 2017a [F2F]

Spring 2017b [F2F]

Fall 2016a [F2F]

Fall 2016b [F2F]

Mentorship

Mentored undergraduate research assistants at Georgia Southern University and the University of Georgia in laboratory procedures, data analysis, academic writing, and presentation styles.

Teaching Presentations

1. **McMains, J.** (2023, April). *Science Communication Assignment: Communicating Research Findings*. Poster presented at the Spring Teaching Symposium at the University of Georgia (UGA) in Athens, GA.
2. **McMains, J.**, Wang, Y., Maynard, R., Farmer, M., Kraft-Ainsworth, T., Thome, E.K. (2023, February). *Cultivating a Culture of Engagement in the Classroom and Online*. TA Cafe presented on behalf of the Center for Teaching and Learning at the University of Georgia (UGA) in Athens, GA.
3. Reilly, T., Leckfor, C., **McMains, J.**, Farkas, A. (2022, October). *Pursuing a Teaching-Focused Career in Academia*. Invited Talk for the Behavioral and Brain Sciences (BBS) Program at the University of Georgia, Athens, GA..
4. **McMains, J.** (2022, September). *Operant Conditioning*. Guest lecture given to 300-person PSYC 1101 (Elementary Psychology) course in Athens, GA. Course Instructor: Theresa Reilly.

Professional Development

Jan 2023 –
Dec 2023

Future Faculty Fellow

University of Georgia

Selected as a member of the 2023 cohort for the Future Faculty Fellows (3FP) Program at the University of Georgia.

Aug 2021 –
Jul 2022

Vice President (Academia) of Psychology Career Development Organization

University of Georgia

Member of the executive board.

Shared experience developing and administering curricula in academia.

Jan 2017 –
May 2017

Foundations in Teaching: Graduate Certificate

Georgia Southern University

Attended workshops put on by the Center for Teaching and Learning at Georgia Southern University to learn more about different approaches and technologies in teaching.

Shadowed undergraduate classes.

Completed and submit teaching development portfolio.

Awards

2022

Outstanding Teaching Assistant Award

University of Georgia

The Center for Teaching and Learning along with the Office of the Vice President for Instruction present this award to the top 10% of teaching assistants at the University of Georgia.

Winners of this award have demonstrated superior teaching skills in their instructional roles as a graduate student.

Jan 2021 –
Jul 2021

Thank-a-Teacher Program Recipient

University of Georgia

Students identified me as having made a positive contribution to their university experience.

Aug 2019 –
Jan 2020

Career Center Certificate

University of Georgia

Students identified me as having had a significant, positive impact on their career decision-making process.

Professional Memberships

Nov 2022 –
Nov 2023

Student Member of the American Psychological Association (APA)

Aug 2021 –
Jul 2022

Student Member of the Organization for Human Brain Mapping (OHBM)

Jan 2017 –
May 2017

Student Member of the Southeastern Psychological Association (SEPA)

Technical Skills

Experience with Windows and Linux (Ubuntu) operating systems.

Proficient with performing and teaching statistical analysis using SPSS and R.

Skilled in teaching courses using D2L LMS, Moodle LMS, Blackboard LMS and Zoom.

Trained to operate a GE Discovery 3T MR750 MRI scanner.

Experience with AFNI (Analysis of Functional NeuroImages) program for fMRI data analysis.

Familiarity and knowledge of heart rate monitoring and galvanic skin response equipment.