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## Julia Nauman

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### EDUCATION

2020                      B.S.                      Tulane University, School of Science and Engineering, New Orleans, LA  
GPA: 3.78  
Majors: Neuroscience (3.91), Psychology (4.0); Minor: Philosophy  
Senior Honors Thesis: *Perceptual load and working memory load effects on attentional processing and distraction on the visual search task as it relates to ADHD inattentive symptoms*  
Advisor: Julie Markant, Ph.D.  
Thesis Committee: Julie Markant, Ph.D., Beth Wee, Ph.D., and Elizabeth Abboud, Ph.D.

### AWARDS HONORS AND STIPENDS

2022                                      Autistic Researcher Award (\$1,000), The International Society for Autism Research

2021                                      Student and Trainee Award (\$500), The International Society for Autism Research

2020                                      The Arnold Gerall Prize in Neuroscience, Tulane University

2020                                      Cum Laude with Departmental Honors in Neuroscience and Psychology, Tulane University

2016-2020                                      Dean's List, Tulane University

2019                                      Tulane Undergraduate Research Program in Neuroscience (\$3,000), Tulane University

2018                                      Rutgers' Neuroscience Summer Undergraduate Research Program (\$4,000), Rutgers University

2016                                      Tulane Honors Program Acceptance, Tulane University

2016                                      Presidential Scholar Award Recipient (\$32,000 Annually), Tulane University

### PROFESSIONAL MEMBERSHIPS

November 2020-Present                      Student Member, The International Society for Autism Research (INSAR)

April 2019-Present                              Member, Psi Chi, The National Honors Society in Psychology

March 2019-Present                              Member, Nu Rho Psi, The National Honors Society in Neuroscience

### RESEARCH AND CLINICAL EXPERIENCE

June 2020- Present                              Lab Manager/RISE Project Coordinator. Michigan State University, Autism Lab, East Lansing, Michigan.

Worked as a research coordinator and research assistant for the Reciprocal Imitation and Social Engagement study (RISE) and Project ImPACT. Responsibilities included meeting and coordinating with off-site collaborators, preparing IRB materials, administering virtual assessments to families, managing and organizing data, sending surveys to families, creating videos and handouts for providers and families, uploading, coding, and blinding video assessments, and managing and analyzing data. Additional responsibilities included managing lab websites and social media, planning and running lab meetings, workshops, and family events, and sending out campaigns and newsletters. Responsibilities as lab manager included training and managing undergraduates, interviewing potential hires for post baccalaureate and undergraduate positions, and overseeing lab funds and finances.

Supervisor: Brooke Ingersoll, Ph.D., BCBA-D

June 2019-May 2020

Honors Thesis Student Researcher. The Learning and Brain Development Lab, New Orleans, Louisiana.

Completed a senior honors thesis on adult ADHD and the visual search task. Responsibilities included creating stimuli and designing an experiment (Adobe Creative Suite and SR-Research Experiment Builder), testing adults on an SR-Research Eyelink eye tracker, assisting with the preparation of documents for IRB approval, performing initial pre-processing of behavioral, eye tracking, and survey data, utilizing data management software (SPSS and Microsoft Office) and presenting ongoing research at weekly lab meetings. Performed the recruiting, scheduling, consenting, and testing of all participants and administered participants the Adult ADHD Self-Report Scale (ASRS) and the verbal and matrix reasoning subtests of the Wechsler Abbreviated Scale of Intelligence (WASI-II) to participants. Wrote and submitted an honors thesis and successfully defended the thesis for a committee.

Supervisor: Julie Markant, Ph.D.

June 2017-May 2019

Undergraduate Research Assistant. The Learning and Brain Development Lab, New Orleans, Louisiana.

Responsibilities included analyzing data, video coding, testing adult participants on an SR-Research Eye Link eye tracker, monitoring participant recruitment, pre-processing behavioral, eye-tracking, and survey data, database management, stimuli creation for graduate students, assisting with the testing of infant and child participants and recruiting infant and child participants at local family-friendly events. Other duties including completing budget worksheets for stipend applicants, leading discussions of empirical research papers at lab meetings, and completing a CITI training courses.

Supervisor: Julie Markant, Ph.D.

August 2018-December 2018

Student Intern. The Tulane Center for Autism and Related Disorders, New Orleans, Louisiana.

Responsibilities as a student intern included organizing patient files, including assessments and family and medical history into an online database and scoring and recording data for a variety of clinical assessments, including the ADOS,

Vineland, NEPSY, VMI, BASC, Bayley, WISC, and Stanford-Binet. This position also provided the opportunity to observe and take notes on patient evaluation and diagnosis and ask questions and actively participate in meetings which discussed patient diagnosis and treatment plans.

Supervisor: Kathryn D. Wampold, LCSW

June 2018-August 2018

Summer Undergraduate Researcher. Rutgers' Neuroscience Summer Undergraduate Research Program (NeuroSURP), New Brunswick, New Jersey.

Responsibilities including safely removing, administering, and returning drugs to a secure location in the lab, testing adult Sprague-Dawley rats on self-administration of cocaine, using Zeiss Zen Microscopy and a SYCOP 3 high resolution camera to image and quantify c-FOS stained orexin cells, and using Zen 2.5 (Blue Edition) to perform cell counts and define boundaries. Completed a student summer thesis and a poster presentation.

Supervisor: Gary Aston-Jones, Ph.D. and Morgan James, Ph.D.

## MANUSCRIPTS

**Nauman, J., & Ingersoll, B.** (In Revision). Examining the Role of Attention Problems in Motor Stereotypy in Children with Autism Spectrum Disorder. *Research in Autism Spectrum Disorders*.

**Nauman, J.** (Under Review). Brief report: Narrative review of a potential link between immersive daydreaming with repetitive motion (IDRM) and autism spectrum disorders. *Review Journal of Autism and Developmental Disorders*.

**Nauman, J.E.,** Aston-Jones, G., Bowrey, H., & James, M. (August, 2018). *The effect of cocaine on circadian rhythms: Role of the orexin/hypocretin system*. Summer Undergraduate Thesis. Department of Neuroscience and Cell Biology, Rutgers University, New Brunswick, NJ.

## PRESENTATIONS

**Nauman, J., & Ingersoll, B.** (2022, May). Examining the Role of Attention Problems in Motor Stereotypy in Children with ASD. Poster presented at the 2022 International Society for Autism Research Annual Meeting. Austin, TX.

Fernandes, S., Harrington, E., **Nauman, J., & Ingersoll, B.** (2022, May). Examining the Association Between Categories of Restricted Repetitive Behaviors and Parent Stress for Parents of Children with ASD. Poster presented at the 2022 International Society for Autism Research Annual Meeting. Austin, TX.

**Nauman, J.E., & Ingersoll, B.R.** (2021, May). Examining the Relationship between Stereotypy and Attentional Problems and Diagnoses in Individuals with ASD. Poster presented at the 2021 International Society for Autism Research Virtual Annual Meeting. Virtual Meeting.

**Nauman, J., & Markant, J.** (*Abstract accepted, but presentation cancelled due to COVID-19*). Relating Individual Differences in Distractibility to Perceptual and Working Memory Load Effects on

Attention Capture. Abstract Accepted for the Tulane University 31<sup>st</sup> Annual Health Sciences Research Days. New Orleans, LA.

**Nauman, J.,** & Markant, J. (2019, August) Relating perceptual and working memory load effects on attention capture to individual differences in distractibility. Poster presented at the Tulane University Research in Neuroscience Summer Program, New Orleans, LA.

Chang, A., O'Conner, S.L., James, M.H., Bowery, H.E., Peng, K., Fragale, J.E., **Nauman, J.,** & Aston-Jones, G. (2018, November). Cocaine self-administration disrupts the diurnal fluctuation in orexin (hypocretin) cell number and activity. Poster presented at the Society for Neuroscience Conference. San Diego, CA.

**Nauman, J.,** Aston-Jones, G., Bowery, H., & James, M. (2018, August). The effect of cocaine on circadian rhythms: Role of the orexin/hypocretin system. Poster presented at the Rutgers University Neuroscience Summer Undergraduate Research Program, New Brunswick, NJ.

## **COMMUNITY SERVICE**

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| August 2016-May 2020      | <u>Outreach Executive.</u> Tulane University Neuroscience Association, New Orleans, LA.<br>Lead student groups to community volunteering events related to mental health and wellness which included fundraising, advertising, coordinating transportation, and preparing materials. |
| August 2016-May 2020      | <u>Social Media Editor/Volunteer.</u> Catholic Relief Services, Tulane Chapter, New Orleans, LA.<br>Volunteered and advertised trainings, fundraisers, and educational meetings focused on combating global poverty and climate change.  |
| August 2017-December 2017 | <u>Volunteer Tutor.</u> Upward Bound, New Orleans, LA.<br>Spent 20+ hours tutoring high school students in multiple subjects and providing them with college and career advice. This included working with students with learning disabilities.                                      |
| May 2016-August 2016      | <u>Part Time Volunteer.</u> Loaves & Fishes Community Services, Naperville, IL.<br>Volunteer responsibilities included restocking and sorting food at the food pantry and assisting clients and their families. This included working through language barriers.                     |

## **SKILLS**

Experiment Design and Stimuli Creation (Adobe Creative Suite; SR-Research Experiment Builder)

Behavioral Coding and Data Analysis (Datavyu; Dedoose; E-Prime 2.0 (E-DataAid); SPSS)

Clinical Assessment and Scoring (Administration: ASRS; WASI-II; Virtual assessment of social-communication skills in children. Scoring: Developmental assessments for children and adults including ADOS, BASC, Bayley, NEPSY, Stanford-Binet, Vineland, VMI, WISC)

Database Management, Participant Recruitment, Sending and Submitting Surveys and IRB Materials (Adobe Acrobat; Dropbox; Click; Filemaker Pro; Microsoft Office; REDCap; SONA Systems; Qualtrics)

Professional Website and Social Media Management and Design (Adobe Creative Suite; Canva; Facebook; Instagram; Twitter; Wix; Wordpress)

Event Coordination and Communication (Basecamp; Eventbrite; Goggle Suite; GroupMe; Mail Chimp; Microsoft Office; Microsoft Teams; Skype; Slack; Social Media; Zoom)

Video Editing (Adobe Creative Suite; Camtasia; Filmora)

Eye-Tracking (SR-Research Eyelink eye tracker)

Cell Imaging and Florescent Microscopy (Zeiss Zen Microscopy; Zen 2.5 (Blue Edition))