

Last Updated: 12/14/2022

## Julia Nauman

630.881.8393 | [naumanj@msu.edu](mailto:naumanj@msu.edu) | [linkedin.com/in/julia-nauman](https://www.linkedin.com/in/julia-nauman)

---

### 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 (Fall 2016-Fall 2017; Spring 2019-Spring 2020),  
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 (\$128,000 Over Four Years),  
Tulane University

### RESEARCH EXPERIENCE

June 2020-Present                      RISE Project Coordinator.  
MSU Autism Lab, Michigan State University, East Lansing, Michigan.  
Supervisor: Brooke Ingersoll, Ph.D., BCBA-D

Cross-Site Supervisors: Alice Carter, Ph.D.; Wendy Stone, Ph.D.; Allie Wainer, Ph.D.

Worked as a research coordinator and research assistant for the Reciprocal Imitation and Social Engagement study (RISE), a multi-site randomized control trial investigating community implementation of a telehealth-delivered naturalistic developmental behavioral intervention (NDBI) to support social-communication development. Responsibilities included assisting with technical support on virtual assessment calls, training and managing undergraduates and other research assistants, creating videos and handouts for providers and families, uploading and blinding video assessments and coding assessments for clinician-parent coaching intervention fidelity, and managing, organizing, and analyzing data. Completed role plays with study providers to practice training families in Reciprocal Imitation Teaching (RIT), a parent-mediated NDBI, and administered virtual assessments of social-communication skills to families. Served as the Institutional Review Board (IRB) coordinator for all RISE project sites across four states and was responsible for preparing and updating all materials and protocols for IRB review and coordinating submissions with the IRB. Additional administrative responsibilities included meeting and coordinating with off-site collaborators, sending surveys, payments, and thank-you notes to families and providers, ordering study materials, and managing finances.

June 2020-Present

Lab Manager.

MSU Autism Lab, Michigan State University, East Lansing, Michigan.

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

Responsibilities included training and managing undergraduates, interviewing applicants for post-baccalaureate and undergraduate positions, and overseeing lab funds and finances. Additional duties included data management, regularly updating lab websites and social media accounts, planning and running lab meetings, workshops, and family events, and sending out campaigns and newsletters to families and providers.

June 2019-May 2020

Honors Thesis Student Researcher.

The Learning and Brain Development Lab, Tulane University, New Orleans, Louisiana.

Supervisor: Julie Markant, Ph.D.

Completed a senior honors thesis on adult ADHD symptoms and the effects of perceptual load and working memory load on distractibility during an attention-capture 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 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.

June 2017-May 2019

Undergraduate Research Assistant.

The Learning and Brain Development Lab, Tulane University, New Orleans, Louisiana.

Supervisor: Julie Markant, Ph.D.

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 included completing budget worksheets for stipend applicants, leading discussions of empirical research papers at lab meetings, and completing CITI training courses.

June 2018-August 2018

Summer Undergraduate Researcher.

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

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

Completed a summer research project on the effect of stimulants on circadian rhythms and the orexin/hypocretin system in Sprague-Dawley rats. Responsibilities included safely removing, administering, and returning stimulants to a secure location in the lab, testing adult Sprague-Dawley rats on self-administration of stimulants, using Zeiss Zen Microscopy and an 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.

## CLINICAL EXPERIENCE

September 2022-Present

Consultation Actor.

MSU Autism Lab, Michigan State University, East Lansing, Michigan.

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

Scheduled practice consultation sessions with early intervention providers and acted as a caregiver of a child with social-communication concerns for the provider to practice administration of our Reciprocal Imitation Teaching (RIT) protocol, a parent-mediated naturalistic developmental behavioral intervention (NDBI) to support social-communication in young autistic children.

January 2022-Present

Assessor.

MSU Autism Lab, Michigan State University, East Lansing, Michigan.

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

Conducted virtual assessments and live scoring of children with social-communication concerns using the Communication Play Protocol (CPP), a flexible observational assessment that measures various social-communication skills in young children within play-based interactions with their primary caregiver, including imitation and the initiation of joint attention. Trained new research assistants to administer the CPP.

August 2018-December  
2018

Student Intern.

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

Supervisor: Kathryn D. Wampold, LCSW

Responsibilities as a student intern included scoring and recording data for various clinical assessments and organizing patient files, including family and medical history, into an online database. The most frequent assessments scored and entered were the Autism Diagnostic Observation Schedule (ADOS), Vineland Adaptive Behavior Scales, A Developmental NEUROPSYchological Assessment (NEPSY), the Beery-Buktenica Developmental Test of Visual Motor Integration (Beery VMI), the Behavior Assessment System for Children (BASC-3), the Bayley Scales of Infant and Toddler Development (Bayley), the Wechsler Intelligence Scale for Children (WISC) and the Stanford-Binet Intelligence Scales. This position also provided the opportunity to observe and take notes on patient evaluation and diagnosis, ask questions, and actively participate in meetings that discussed patient diagnosis and treatment plans.

## PUBLICATIONS

**Nauman, J.,** & Ingersoll, B. (in press). Examining the role of attention problems in motor stereotypy in children with autism spectrum disorder. *Research in Autism Spectrum Disorders*.

## MANUSCRIPTS

**Nauman, J.** (submitted). Brief report: Narrative review of a link between maladaptive daydreaming disorder (MADD) and reports of motor stereotypy in autism spectrum disorder.

**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

Espinell, A., **Nauman, J.,** & Ingersoll, B. Examining the feasibility of using virtual teams, provider training, and caregiver/child assessment in the conduct of a multi-site intervention trial of an NDBI in the part C early intervention system. Poster for the 2023 International Society for Autism Research Annual Meeting. Stockholm, Sweden. (submitted).

**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 canceled 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.

## **PROFESSIONAL MEMBERSHIPS**

November 2020-Present	Student Member, The International Society for Autism Research (INSAR)
April 2019-Present	Member, The National Honors Society in Psychology (Psi Chi)
March 2019-Present	Member, The National Honors Society in Neuroscience (Nu Rho Psi)

## **COMMUNITY SERVICE AND CAMPUS LEADERSHIP**

October 2022-Present	<u>Volunteer.</u> Mid-Michigan Autism Association, Lansing, MI.  Designed and formatted posters and promotional materials for outreach events for families of autistic children and attended event planning meetings with professionals, volunteers, families, and other community members.
----------------------	--

- August 2016-May 2020      Outreach Executive.  
Tulane University Neuroscience Association, New Orleans, LA.  
  
Led student groups to community volunteering events related to mental health and wellness. Position responsibilities included fundraising, advertising, coordinating transportation, and preparing materials.
- August 2016-May 2020      Social Media Editor/Volunteer.  
Catholic Relief Services, Tulane Chapter, New Orleans, LA.  
  
Advertised and created social media posts for the organization and volunteered at trainings, fundraisers, and educational meetings focused on combating global poverty and climate change.
- May 2017-May 2020      President/Publicity Chair.  
Thomistic Institute at Tulane University, New Orleans, LA.  
  
Designed posters and coordinated meetings with invited speakers who presented on various topics in philosophy.
- August 2017-December 2017      Volunteer Tutor.  
Upward Bound, New Orleans, LA.  
  
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.

## **SKILLS**

### Behavioral Coding and Data Analysis:

Datavyu; Dedoose; E-Prime 2.0 (E-DataAid); SPSS

### Cell Imaging and Florescent Microscopy:

Zeiss Zen Microscopy; Zen 2.5 (Blue Edition)

### Clinical Assessment and Scoring:

Administration and Scoring: ASRS; CPP; WASI-II

Scoring: Developmental assessments for children and adults, including the 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

### Event Coordination and Communication:

Basecamp; Eventbrite; Goggle Suite; GroupMe; Mail Chimp; Microsoft Office; Microsoft Teams; Skype; Slack; Social Media; Zoom

### Experiment Design and Stimuli Creation:

Adobe Creative Suite; SR-Research Experiment Builder

### Eye-Tracking:

SR-Research Eyelink eye tracker

### Professional Website and Social Media Management and Design:

Adobe Creative Suite; Canva; Facebook; Instagram; Twitter; Wix; WordPress

Telehealth Assessment:

Ubiquiti/UniFi Network; Zoom

Video Editing:

Adobe Creative Suite; Camtasia; Filmora