

Paige Dadika

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Education

Rutgers University | Honors Program

New Brunswick, NJ

Bachelor of Arts in Cognitive Science

Graduation: May 2023

Minor in Developmental Psychology

GPA: 4.00/4.00

Specialization in Cognitive Neuroscience

Thesis Topic: Development of lateralization in juvenile zebra finches

Mentors: Dr. Mimi L. Phan and Dr. David S. Vicario

Key Coursework:

Brain, Mind and Behavior

Cognition

Advanced Topics Seminar: The Multilingual Mind

Neural Structure of Language

Advanced Topics in Cognitive Science: Audition

Sensation and Perception

Statistics for Research

Fieldwork in Child Development

Awards and Honors

Dean's List – 8 semesters

National Merit Scholar Finalist

Phi Beta Kappa Honor Society

Aresty Fellowship Funding

Matthew Leydt Society

Henry Rutgers Scholar

Research Experience

Lab Manager for Dr. Michelle Hurst, Rutgers University

11/2023- current

Assisted in the establishment of the Quantitative Development Lab in the Rutgers Center for Cognitive Science and Department of Psychology

Lead researcher on multiple projects; support lab research on all projects

Skills developed: website development, human subjects research, jsPsych, Qualtrics, Prolific, IRB, personnel management, R (including RMarkdown), writing and communication (e.g., posters and talks)

Vicario Lab, Department of Psychology, Rutgers University

07/2020- 05/2023

Assisted doctoral student in experiments to determine the effect of secondary heterospecific environmental exposure on normative brain lateralization in juvenile and adult zebra finches

Skills developed: Immunohistochemistry, brain slicing using a cryostat and vibratome, building epidural arrays, data analysis, use of OriginPro

Undergraduate Research Experience in Neuroscience, University of Georgia

05/2022- 07/2022

Worked under Dr. Assaf Oshri at the University of Georgia's Youth Development Institute as a summer research assistant.

Skills developed: Participant Recruitment, SPSS, ASEBA, RStudio

Aresty Summer Science Program, Rutgers University

05/2020- 07/2020

Aided in research on HDAC inhibition in songbirds through song analysis and comparison

Partook in weekly group meetings and attended frequent training sessions

Created and presented a poster at the end-of-program poster session

Manuscripts and Publications

Hurst, M.A., Dadika, P., Oswald, M., & Levine, S. (2024) *Children's interpretation of "before" and "after" for consecutive and non-consecutive numbers and events* [under review].

Furest Cataldo, B., Dadika, P., Vicario, D.S. (2024) *Ontogeny of Auditory Lateralization in the Zebra Finch* [manuscript in prep].

Presentations

Dadika, P., Hurst, M.A (2023) *Do people rely on symbolic number strategies in discrete proportional reasoning*. Poster presented at the Mathematical Cognition and Learning Society 2023 Conference

Dadika, P., Goodgame-Huffman, L., Oshri, Assaf. (2022) *Trait Impulsivity and Psychopathology Among Youths: The Moderating Role of Mother-Child Dyadic Parasympathetic Synchrony*. Poster presented at International Society for Developmental Psychobiology 2022 and University of Georgia REU Poster Session

Dadika, P., Cataldo, B.F., Phan, M.L., Vicario, D. (2022) *Ontogeny of Lateralized Responses in the Zebra Finch: Time Course and the Effects of Atypical Acoustic Environments*. Poster presented at the Rutgers Aresty Undergraduate Symposium and 2022 AXON 3.0 Virtual Conference

Dadika, P., Daneshwar, N., Collins, L., Phan, M.L., Vicario, D. (2020) *Epigenetic Modulation of Auditory Memories in Zebra Finches*. Poster presented at the Rutgers ARESTY poster session.

Professional Experience

Sealworks Interactive Studios	Doylestown, PA
Content Evaluator and Design Consultant	01/2023- 11/2023
Monitoring site development and approving final designs	
Rutgers University Athletics Department	Piscataway, NJ
Athletic Academic Tutor	09/2022- 12/2022
Provide academic support for student athletes	
R&D Promotions	Milltown, NJ
Office Assistant	09/2016- 08/2023
Implemented marketing strategies to create new business opportunities	
Provided office support in the form of handling finances, communicating with customers, and creating online stores	
All Star Athletic Center Learning Academy	East Brunswick, NJ
Director of Operations	10/2020- 03/2021
Handled day-to-day operations as well as weekly scheduling	
Acted as an on-site supervisor for other employees	

Skills

Proficiency in Microsoft Word, Excel, and PowerPoint
R, including tidyverse, RMarkdown, and RStudio
OriginPro
PsychoPy
jsPsych