

Miral Abdalaziz

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Education

PhD candidate in Neuroscience

Neuroscience Training Program (NTP), University of Wisconsin Madison, Madison, WI

September 2023 – Present

Bachelor of Science in Neuroscience

Biology and Brain & Cognitive Sciences Departments, University of Rochester, Rochester, NY

August 2019 - May 2023

Honors: Cum Laude

Undergraduate Honors Research Thesis

Neural oscillatory mechanisms underlie cognitive flexibility and organize visual working memory contents.

Miral Abdalaziz, Zach V. Redding, Ian C. Fiebelkorn

Advisor: Dr. Ian C. Fiebelkorn

Research positions

Undergraduate Research Assistant,

Dynamics of Cognition Laboratory, Advisor: Dr. Ian C. Fiebelkorn

January 2021 – May 2023

University of Rochester Medical Center, Del Monte Neuroscience Institute, Rochester, NY

University of Rochester, Center for Visual Science, Rochester, NY

Undergraduate Research Assistant, Independent Study Course

Fudge Laboratory, Advisor: Dr. Julie Fudge

June 2022 – December 2022

University of Rochester Medical Center, Del Monte Neuroscience Institute, Rochester, NY

Undergraduate Research Assistant, Independent Study Course

Approach-avoidance Motivation Research Group, Advisor: Dr. Andrew Elliot

January 2020 - May 2020

University of Rochester, Psychology Department, Rochester, NY

Teaching and Mentoring

Undergraduate student Mentor

Neuroscience and Brain & Cognitive Sciences

September 2022 – May 2023

University of Rochester, BCS Department, Rochester, NY

Teaching Assistant/Workshop Leader

Course: Introduction to Biology, Professor: Dr. Michael Clark

August 2020 - December 2020

University of Rochester, Biology Department, Rochester, NY

Posters and Publications

Posters:

Society for Neuroscience Conference

November 2022

Poster title: **Theta-rhythmic temporal coordination avoids representational conflict during working memory.**

Miral Abdalaziz, Zach V. Redding, Ian C. Fiebelkorn

University of Rochester Undergraduate Research Exposition

April 2021

Poster title: **Investigation of rhythmic coordination as a more general mechanism for mediating functional conflicts within and between cognitive processes.**

Miral Abdalaziz, Zach V. Redding, Ian C. Fiebelkorn

Publications:

May 2023

Rhythmic temporal coordination avoids representational conflict during working memory

Miral Abdalaziz^{1,2}, Zach V. Redding^{1,2}, Ian C. Fiebelkorn^{1*} *Current Biology*, Volume 33, Issue 9, 2023, Pages 1855-1863.e3, ISSN 0960-9822, <https://doi.org/10.1016/j.cub.2023.03.088>.

Scholarships

Dean's Scholarship

August 2019 – May 2023

University of Rochester, Rochester, NY

Rochester National Grant

August 2019 - May 2023

University of Rochester, Rochester, NY

Discover Grant

Summer 2020 & Summer 2021

University of Rochester, Office of Undergraduate Research, Rochester, NY

Dean's List

Fall 2019 – May 2023

University of Rochester, Rochester, NY

Leonard Education Organization Scholar

November 2018 - Present

David T. Kearns Scholar

January 2020 – May 2023

University of Rochester, Kearns Center, Rochester, NY

Service and Leadership

NTP Outreach Committee member

August 2023 - Present