Zach Herro

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**EDUCATION**

Campbell University School of Osteopathic Medicine-Buies Creek, NC

Doctor of Osteopathic Medicine (D.O.)

August 2022-May 2026 (Anticipated)

University of Wisconsin-Madison, WI

Bachelor of Sciences, Neurobiology

January 2018-December 2020

GPA: 3.914, with Distinction

 Dean’s List: Spring 2017, Fall 2018, Fall 2019, Fall 2020

Phi Kappa Phi Honor Society

University of Wisconsin-Eau Claire, WI

 No Degree Awarded

September 2017-December 2017

 GPA: 4.0

**RESEARCH EXPERIENCE**

*Research Assistant,* Bukhari Lab- Movement Disorders

Duke University, February 2023-August 2023.

Working towards authorship on a review article regarding subtypes of dystonia. Working towards authorship on an independent study regarding neuroimaging of Writer’s Cramp.

*Undergraduate Research Assistant,* Marler Lab-Behavioral and Social Endocrinology

University of Wisconsin-Madison, January 2019-May 2019 & September 2019-December 2020.

 Assisted in both behavioral scoring and neuronal growth analysis of California mice. Trained in perfusions, brain extractions, brain slicing, immunohistochemistry and routine care of mice.

**PUBLICATIONS**

Monari, P. K., **Herro, Z. J.,** Bymers, J., & Marler, C. A. (2023). Chronic intranasal oxytocin increases acoustic eavesdropping and adult neurogenesis. Hormones and behavior, 156, 105443.

**RESEARCH PRESENTATIONS AND POSTERS**

Monari, P., **Herro, Z**., Marler, C. Chronic intranasal oxytocin produces lasting changes in social recognition behavior. Annual Meeting, Society for Behavioral Neuroendocrinology Virtual Conference, 2021.

Monari, P**.**, **Herro, Z**., Marler, C. Intranasal oxytocin promotes social approach and adult hippocampal neurogenesis following a 3-week delay. Global Connectome Virtual Conference, Society for Neuroscience, 2021.

**RESEARCH AWARDS**

*Hilldale Undergraduate and Faculty Research Fellowship*

University of Wisconsin-Madison. June 2020.

Received $3,000 stipend for the proposal and fulfillment of: The regulation of female adult neurogenesis by male testosterone levels within the context of the pair bond.

**LEADERSHIP EXPERIENCE**

*Osteopathic Manipulation Teaching Assistant*

Campbell University School of Medicine, August 2023-Current.

Assisted first year medical student’s osteopathic manipulation laboratory, through instructions on technique and lesson implementation.

**HEALTHCARE EXPERIENCE**

*Behavioral Health and Wellness Coordinator*

Campbell University Student Standing Clinic. North Carolina. November 2022-Current.

Collaborated with attending physicians and other medical students to create new health initiatives to fit patient population specifically regarding nutrition, tobacco cessation and fitness. Met with therapists through CareNet to provide therapy to patient population.

*Certified Transcranial Magnetic Stimulation Technician*

Regions Behavioral Health. Minnesota. September 2021-May 2022.

Implemented rTMS MagVenture protocol for patients with Major Depressive Disorder. Met with attending psychiatrists to discuss adjustments to patient treatment as needed. Completed Prior Authorizations for rTMS treatment.

*Crisis Text Line Volunteer*

Crisis Text Line. February 2021-August 2022.

Deescalated crisis situations with at risk texters. Implemented a 5-step rule of building rapport, exploring their situation, identifying the goal of the conversation, discovering next steps, and ending the conversation.

**NON- HEALTHCARE VOLUNTEER EXPERIENCE**

Minnesota ALS Foundation. Minnesota, Summer 2019. May 2021-February 2022.

 Assisted in routine care of the house of patients with newly diagnosed ALS.

Every Meal. Roseville, Minnesota. January 2019. February 2021-January 2022.

 Packaged meals for low-income students of the state of Minnesota.