

William R. Kochen

Department of Psychology and Neuroscience
Parker 248

954-262-5654
wkochen@nova.edu

Education

- Ph.D. Psychology: Cognitive and Behavioral Neuroscience August 2014 - Dec 2018
Dissertation Title: *Effect of chronic stress on rmTBI with post-injury zinc supplementation*
George Mason University. Fairfax, VA
- M.A. Psychology: Cognitive and Behavioral Neuroscience August 2014 - Dec 2017
Thesis Title: *The Behavioral Effects of Zinc on Mice Expressing the Human P301L Gene*
George Mason University. Fairfax, VA
- B.S. Biology: Developmental Genetics, and B.S. Psychology August 2008 - July 2013
Stony Brook University. Stony Brook, NY

Professional Experience

- Assistant Professor August 2019 – Present
Department of Psychology and Neuroscience
Nova Southeastern University, Davie FL.
- Adjunct Professor January 2019 - July 2019
Psychology Department
George Mason University
- Adjunct Professor January 2018 – May 2019
Department of Psychological Studies
University of Mary Washington
- Graduate Lecturer August 2014 – December 2019
Psychology Department
George Mason University

Professional Recognition:

- Nominated for Adjunct Faculty Teaching Excellence Award (George Mason University) Spring 2019
Department of Psychology Outstanding Graduate Student Instructor (George Mason University) Spring 2017
Northern Virginia Teacher of the Year for 2016 (Kaplan Test Prep) January 2017
Kaplan Teacher Leaderboard, Top 20 Nationwide (Kaplan Test Prep) December 2016

Courses Taught

Introduction to Neuroscience – Nova Southeastern University
Behavioral Genetics – Nova Southeastern University
Physiological Psychology – University of Mary Washington; George Mason University
Abnormal Psychology – University of Mary Washington; George Mason University
Psychopharmacology – University of Mary Washington; George Mason University
Murder, Mystery, and Madness – George Mason University
Introduction to Psychology – George Mason University
Sensation and Perception – George Mason University
Brain and Behavior – George Mason University

Research Presentations and Publications (* Indicates co-first authorship)

- W.R. KOCHEN** (2019). Intranasal Zinc treatment ameliorates behavioral deficits caused by Chronic Stress and Traumatic Brain Injury in Mice. Poster presented at Society for NeuroSports Conference, November 2019.
- F. BADER, **W.R. KOCHEN**, M. KRAUS, & M. WIENER, (2019). The dissociation of temporal processing behavior in concussion patients: stable motor and dynamic perceptual timing. *Cortex*, 119, 215-230.
- K.M*. CRAVEN, **W.R. KOCHEN***, C.M. HERNANDEZ & J.M. FLINN; (2018, June). Zinc Exacerbates Tau Pathology in a Tau Mouse Model. *Journal of Alzheimer's disease: JAD*.
- W.R. KOCHEN**, E.N. DOHERTY, C. CUNNIFF... R.H. LIPSKY, J.M. FLINN; (2018, November). Intranasal therapeutic zinc following traumatic brain injury with chronic stress. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA
- E.N. DOHERTY, **W.R. KOCHEN**, J.M. FLINN; (2018, November). Interaction of chronic variable stress and intranasal zinc treatment following traumatic brain injury. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.
- K.M. CRAVEN, **W.R. KOCHEN**, C.M. HERNANDEZ...J.M. FLINN; (2018, November). The behavioral and biochemical effects of social isolation following repetitive mild traumatic brain injury (rmTBI). Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA
- W.R. KOCHEN**, J.M. FLINN; (2018, March) The effect of chronic variable stress on repetitive mild traumatic brain injury with zinc treatment. Poster Presented at the National Capital Area Traumatic Brain Injury Symposium, Washington D.C.
- W.R. KOCHEN**, K.M. CRAVEN, D.D. CERRI, J. M. FLINN; (2017, November). Combining force and rotation in TBI: The creation of a novel device for translational traumatic brain injuries. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D.C.
- K.M. CRAVEN, **W.R. KOCHEN**, D.D. CERRI, J.M. FLINN; (2017, November). Social isolation after repetitive mild traumatic brain injuries. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D.C.

- T. DIMOPOULOS, M.L. SMITH, **W.R. KOCHEN**, N. COSCHIGANO, J.M. FLINN; (2017, November). The effect of multiple levels of chronic zinc supplementation on b6 mice. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D.C.
- A.S. POWERS, A. AYANRU, S. BOYD, M. CHANG, A. CULOSO, **W.R. KOCHEN**, A. WALSH, S. WONG, C. YU; (2017, November). Seasonal effects on adult neurogenesis in turtles. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D.C.
- *K.M. CRAVEN, ***W.R. KOCHEN**, S. LIPPI, C.M. HERNANEZ, J.M. FLINN; (2017, July) The Effects of Zinc Expression on Phosphorylated Tau and Zinc Fluorescence. Poster presented at the International Society for Zinc Biology Conference, Cyprus.
- W.R. KOCHEN**, K.M. CRAVEN, J.M. FLINN; (2016, November). Zinc exacerbates tauopathy deficits in measures of daily living in mice. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.
- K.M. CRAVEN, **W.R. KOCHEN**, M.R. HARBOUR, C. M. HERNANDEZ, J. M. FLINN; (2016, November) The effects of zinc on expression of phosphorylated tau and zinc fluorescence Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.
- C.M. HERNANDEZ, C.L. C. NEELY, **W.R. KOCHEN**, K. M. CRAVEN, M. L. SMITH, A. B. BOOTH, J. M. FLINN; (2016, November) Supplemented zinc on learning and memory in tau mice (P301L/CaMKII) using contextual and cued fear extinction. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.
- W.R. KOCHEN**, J. GOMEREZ, A. S. POWERS; (2014, March) Turtles and the Detour Problem. Poster presented at the Eastern Psychological Association, Boston, MA.

Internal Grants

PFRDG 334844 Kochen (PI) \$15,000 7/20 - 6/22

President's Faculty Research and Development Grant, Nova Southeastern University
Social Stress and Traumatic Brain Injury

Role: PI

QOL 334857 Kochen (PI) \$15,000 7/20 - 6/22

President's Faculty Research and Development Grant, Nova Southeastern University
Mindfulness Meditation Intervention for Veterans with Traumatic Brain Injury

Role: PI

Faculty Research Fellowship, Kochen (PI) \$1,000, 6CR, 7/20 – 6/23

Psychology Department, Faculty Research Fellowship, Nova Southeastern University
Biological Effects of Mindfulness Meditation Intervention for Veterans with TBI

Role: PI

Research Awards

Society for NeuroSports Data Blitz – third prize

November 2019

Royal Society of Chemistry Metallomics Poster Prize

July 2017

Awarded for best poster presentation at International Society for Zinc Biology 2017 meeting in Cyprus

Sigma Xi Grants In Aid of Research - \$1,000

March 2015

Grant for the creation of a new triple transgenic mouse for the study of AD

Mentored Presentations

T. DIMOPOULOS, S. L. P. LIPPI, C. L. C. NEELY, ... **W.R. KOCHEN**, J. M. FLINN; (2018, November). The effects of *A. bisporus* (white button mushrooms) on the circadian rhythms and spatial memory of human amyloid precursor protein (hAPP) transgenic mice. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA

T. DIMOPOULOUS... **W.R. KOCHEN**, J. M. FLINN (2017, December) The effects of *A. bisporus* on the Spatial Memory of Human Amyloid Precursor Protein (hApp) Transgenic Mice. Poster Presented at Office of Student Scholarship, Creative Activities, and Research (OSCAR) Conference, Fairfax, VA.

M. HARBOUR, **W.R. KOCHEN**, K.M. CRAVEN, J. M. FLINN; (2016, November) The effect of chronic excess zinc on memory tasks in tauopathic mice. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.

M. HARBOUR, **W.R. KOCHEN**, K.M. CRAVEN, J. M. FLINN; (2016, May) Elevated Zinc and Novel Object Recognition in a Tau Mouse model Poster Presented at Office of Student Scholarship, Creative Activities, and Research (OSCAR) Conference, Fairfax, VA.

Mentored Research Awards

Undergraduate Research Scholars Program - \$1,500

May 2018

Awarded to E. Khayat to examine the effect of social isolation on mice with Alzheimer's Disease

Undergraduate Research Scholars Program - \$5,000

March 2017

Awarded to T. Dimopoulous to study the effects of white button mushrooms on mice with Alzheimer's Disease

Undergraduate Research Scholars Program - \$1,500

January 2016

Awarded to M. Harbour to analyze Novel Object Recognition in a study examining zinc supplementation in Tau mice

Societies and Memberships

Society for Neuroscience

Sigma Xi

Cure Mental Illness (Student Organization) – President

Students In Neuroscience (Student Organization) – President

August 2014 - Present

February 2015 - Present

August 2016 - Present

August 2017 - Present

