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EDUCATION

Icahn School of Medicine at Mount Sinai

PhD Neuroscience
Advisor: Peter Rudebeck, D.Phil

New York, NY
Expected 2024

Mercer University

BS Neuroscience, BA Latin
Summa cum Laude, Phi Beta Kappa, Nu Rho Psi, Phi Sigma Iota, University Honors Program

Macon, GA
May, 2019

Madeira High School

Honors Diploma, Top Senior

Cincinnati, OH
May, 2015

SCHOLARSHIPS AND AWARDS

Mercer University

NSF GRFP Applicant 2018
Laudes Latinae Award 2018
Goldwater Scholarship Applicant 2017
Stamps Family Charitable Foundation Scholarship 2017
Presidential Scholarship 2015

RESEARCH EXPERIENCE

Single-cell analysis of amygdala projections to macaque prefrontal cortex

Advisor: Dr. Peter Rudebeck, Icahn School of Medicine October, 2019 – Present

Mechanisms underlying strain differences in juvenile play behavior

Advisor: Dr. Katharine Northcutt, Mercer University (Macon) August, 2018 – May, 2019

Characterizing effects of novel drug therapy in a mouse model of Fragile X Syndrome

Advisor: Dr. Clinton Canal, Mercer University, College of Pharmacy (Atlanta) Summer 2018

Perinatal hyperserotonemia influences dopamine expression in the midbrain

Advisor: Dr. Katharine Northcutt, Mercer University (Macon) August, 2016 – July, 2018

Routine screening reveals alarming rates of non-accidental trauma among head-injured infants

Advisor: Dr. Richard Falcone, Cincinnati Children's Hospital Medical Center Summer 2015

CONFERENCE PRESENTATIONS

Mercer University BEAR Day April 5, 2019, Macon, GA
Zeisler, Z., Andharia, N., Leal-Medina, S., Northcutt, K.N. Mechanisms underlying strain differences in juvenile play behavior. Talk.

International Congress of Neuroendocrinology July 15-18, 2018, Toronto, Ontario
Zeisler, Z., Smith, S., Northcutt, K.N. Sex-specific modulation of juvenile midbrain dopamine expression by perinatal serotonin. Poster.

National Conference for Undergraduate Research April 4-7, 2018, Oklahoma City, OK
Zeisler, Z., Smith, S., Northcutt, K.N. Perinatal hyperserotonemia influences dopamine expression in the midbrain. Poster.

Society for Neuroscience Nov. 11-15, 2017, Washington, DC
Zeisler, Z., Smith, S., Northcutt, K.N. Perinatal hyperserotonemia influences dopamine expression in the midbrain. Poster.

Southern Conference Undergraduate Research Forum Oct. 27-29, 2017, Spartanburg, SC
Zeisler, Z., Smith, S., Northcutt, K.N. Perinatal hyperserotonemia influences dopamine expression in the midbrain. Poster.

Mercer University BEAR Day April 6, 2017, Macon, GA
Zeisler, Z., Smith, S., Northcutt, K.N. The effects of developmental hyperserotonemia on dopamine expression. Poster.

PUBLICATIONS

Zeisler, Z. Here's how COVID-19 is affecting my first year in graduate school. *ecrLife* 2020 (not peer reviewed)

OTHER EDUCATION

Neuromatch Academy July, 2020 – August, 2020
3-week intensive computational neuroscience training course: Python programming, machine learning; group project working with Human Connectome Project fMRI data

PROFESSIONAL EXPERIENCE

Editorial Board – ISMMS Journal of Science and Medicine June, 2020 – Present
Served as neuroscience topic editor for ISMMS-sponsored student-run journal.

PROFESSIONAL ASSOCIATIONS

Society for Behavioral Neuroendocrinology 2018 – 2020
Society for Neuroscience 2017 – Present

OUTREACH ACTIVITIES

Project SHORT – Executive board member July, 2020 – Present

Assisted with organization and recruitment of students from underrepresented communities to receive *pro bono* admissions consulting for graduate or medical school

SCOPE – Science Communication Online ProgrammE June, 2020 – August, 2020

Training in communicating science to various audiences, utilizing storytelling to convey scientific ideas, and appropriately incorporating visuals and body language.

MiNDS -Mentoring in Neuroscience Discovery at Sinai August, 2019 – Present

Annual Brain Fair during Brain Awareness Week; monthly classes at local middle school; other STEM advocacy activities across NYC

TEACHING EXPERIENCE

Icahn School of Medicine New York, NY

CEYE – Sherman Scholars program August, 2020

MiNDS – Intro neuroscience course for middle school students August, 2019 - Present

Mercer University Macon, GA

Lab Teaching Assistant, Intro to Environmental Science Fall 2018

Lab Teaching Assistant, Intro to Biology I Spring 2017, Spring 2018

Lab Teaching Assistant, Intro to Biology II Fall 2017