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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
<i>Laudes Latinae</i> Award	2018
Goldwater Scholarship Applicant	2017
Stamps Family Charitable Foundation Scholarship	2017
Presidential Scholarship	2015

**RESEARCH EXPERIENCE**

**Single-cell analysis of amygdala projections to 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