

# CAROLINE MOREHOUSE

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## EDUCATION

### OBERLIN COLLEGE

AUGUST 2019 – MAY 2023

Bachelor of Arts and Sciences in Neuroscience and Highest Honors in Hispanic Studies · GPA: 4.14

## PROFESSIONAL EXPERIENCE

### NATIONAL INSTITUTES OF HEALTH, POSTBACCALAUREATE FELLOWSHIP IN BIOETHICS

SEPTEMBER 2023 – PRESENT

- Under the guidance of Dr. Saskia Hendriks and Dr. Scott Kim, investigate bioethical considerations in Alzheimer's disease research and aging care
- Engage in clinical ethics consults, bioethics seminars, and IRB deliberations with the NIH bioethics department

### NATIONAL ACADEMY OF SOCIAL INSURANCE AND SCAN HEALTH PLAN, SOMERS INTERNSHIP ON LONG-TERM CARE AND AGING RESEARCH, WASHINGTON, D.C.

JUNE 2022 – AUGUST 2022

- Placed as Medicare policy research intern at SCAN Health Plan, a top-rated, not-for-profit Medicare Advantage plan that provides health care to older adults in California, Arizona, and Nevada
- Represented SCAN at health policy planning events with federal legislators and healthcare CEOs
- Drafted policy briefs on prescription drug reform, health equity, integrated care for dually eligible Medicare and Medicaid beneficiaries, and mental health parity

### CLEVELAND CLINIC ALZHEIMER'S DISEASE RESEARCH CENTER, STUDENT INTERN, CLEVELAND, OH

FEBRUARY 2021 – JUNE 2021

- Assisted research coordinators in administering cognitive skills testing to participants in clinical trials
- Analyzed interviews for project establishing best practices in informed consent with dementia patients
- Presented independent study of Lewy body dementia research to administrative staff at Cleveland Clinic

### KENDAL AT OBERLIN ASSISTED LIVING, ASSISTANT IN DEMENTIA CARE, OBERLIN, OH

JUNE 2020 – AUGUST 2020

- Produced daily news activities for Linked Senior, an app-based platform that provides programming to Kendal at Oberlin and nursing homes across the United States and Canada
- Orchestrated Kendal's in-person family visitation program in response to Covid-19
- Oversaw one-on-one visits with residents in isolation due to pandemic lockdown

## RESEARCH

### OBERLIN COLLEGE NEUROSCIENCE DEPARTMENT, RESEARCH ASSISTANT, OBERLIN, OH

SEPTEMBER 2020 – MAY 2023

- Authored a scientific paper featured as Editor's Choice for top article in September 2022 publication of *Behavioral Brain Research*
- In a separate research project, implemented cutting-edge neuroscience techniques in optogenetics and fiber photometry to investigate *in vivo* dopamine transmission in mice during complex behavioral tasks

### OBERLIN COLLEGE HISTORY DESIGN LAB, PRINCIPAL INVESTIGATOR, OBERLIN, OH

FEBRUARY 2022 – MAY 2023

- Spearheaded an IRB-approved oral history project exploring the pandemic experiences of residents at Kendal at Oberlin life care community
- Conducted, transcribed, and indexed interviews with older adults in assisted and independent living

### CLEVELAND STATE AGING, COGNITION AND EMOTION LAB, RESEARCH ASSISTANT, CLEVELAND, OH

FEBRUARY 2021 – JUNE 2021

- Developed Qualtrics survey for study looking at the effect of aging on emotional reactivity
- Formulated system for qualitative analysis of survey responses

## **PUBLICATIONS**

van der Merwe, R.K., Nadel, J.A., Copes-Finke, D., Pawelko, S, Scott, J.S., Ghanem, M., Fox, M., **Morehouse, C.**, McLaughlin, R., Maddox, C., Albert-Lyons, R., Malaki, G., Groce, V., Turocy, A., Aggadi, N., Jin, X., Howard, C.D. (2023). Characterization of striatal dopamine projections across striatal subregions in reversal learning. *European Journal of Neuroscience*. 10.1111/ejn.15910

**Morehouse, C.**, Maddox, C.J., van der Merwe, R.K., McLaughlin, R., Scott, J.R., Ghanem, M., Ramsson, E., Howard, C.D. (2022). Cannabidiol (CBD) drives sex-dependent impairments in omission, but has no effect on reinforcer devaluation. *Behavioral Brain Research*. 434, 114023. 10.1016/J.BBR.2022.114023

## **PRESENTATIONS**

**The Society for Neuroscience Conference**, San Diego, CA, November 2022. Sex-dependent effects of cannabidiol (CBD) on habit formation (poster presenter)

**Midwest and Great Lakes Research Symposium in Neuroscience**, Berea, OH, October 2022. The effect of cannabidiol (CBD) on behavioral flexibility (selected by conference to perform featured research presentation)

**Association for Psychological Science Annual Conference**, Chicago, IL, May 2022. Aging differences to subtypes of sadness and anger: a qualitative analysis (poster contributor)

**The Society for Neuroscience Conference**, Chicago, IL, November 2021. Investigating the effect of cannabidiol on habit formation and striatal dopamine release (poster presenter)

**Cleveland Clinic Alzheimer's Disease Research Center: Student Research Presentation**, Cleveland, OH, May 2021. Dementia with Lewy Bodies: The history, the diagnosis, and the treatment (poster presenter)

**Oberlin College Undergraduate Research Symposium**, Oberlin, OH, May 2021. Investigating the effect of cannabidiol on habit formation and striatal dopamine release (poster presenter)

## **ADDITIONAL EXPERIENCE**

**KENDAL AT OBERLIN ASSISTED LIVING, DINING AND ENRICHMENT STAFF MEMBER**, OBERLIN, OH  
SEPTEMBER 2020 – MAY 2023

- After summer internship in dementia care, maintained position as permanent staff member in care center
- Manage weekly group activities in Kendal's memory care unit

**OBERLIN COLLEGE CLEAR CENTER, TEACHING ASSISTANT**, OBERLIN, OH  
SEPTEMBER 2022 – DECEMBER 2022

- Taught weekly review sessions for students in introductory neuroscience course
- Created activities tailored to reinforce course content and present information in novel ways

**THE SYNAPSE INTERCOLLEGIATE SCIENCE MAGAZINE, STAFF WRITER**, OBERLIN, OH  
FEBRUARY 2022 – JUNE 2022

- Drafted articles about contemporary science topics such as Aducanumab, the controversial Alzheimer's disease treatment

**EL CENTRO DE SERVICIOS, ENGLISH COMMUNICATION CLASS COORDINATOR**, LORAIN, OH  
FEBRUARY 2020 – AUGUST 2021

- Designed and taught English communication classes for Spanish-speaking residents of Lorain, OH
- Transformed in-person group classes into virtual one-on-one sessions in response to Covid-19
- Trained volunteers to teach conversational English

## **DISTINCTIONS**

**THE PAUL PATRICK ROGERS PRIZE IN HISPANIC STUDIES**

**OBERLIN COLLEGE NEUROSCIENCE PROGRAM PRIZE**

**RHODES SCHOLARSHIP FINALIST**

**OBERLIN COLLEGE STAMPS SCHOLAR**

**FIRST-YEAR AWARD FOR EXCELLENCE IN CHEMISTRY**