

# Julia C. Catalano

UNDERGRADUATE STUDENT ·

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## Education

### The Ohio State University

B.S. IN NEUROSCIENCE | CELLULAR & MOLECULAR SPECIALIZATION

Minor in Biological Sciences

*Expected: December 2021*

Major GPA: 3.93 | Cumulative GPA: 3.74

## Skills

<b>Molecular Biology</b>	Flow cytometry, PCR/RT-PCR, genomic DNA extration, SDS-PAGE, western blot
<b>Cell Biology</b>	Fluorescent microscopy, cell proliferation assay, ELIZA
<b>Animal</b>	Mouse handling, ip injections, weaning, anesthesia administration, CO2 euthanasia
<b>Computer</b>	Microsoft Office, Adobe Creative Cloud, CRM, Tableau
<b>Programming</b>	SQL, R, Python, Latex, HTML

## Clinical Experience

### Delaware Medical Research Corps

COVID-19 TESTING ASSISTANT

- Ensure accurate collection of saliva and nasal test samples for COVID-19 surveillance
- scheduling, tracking, collecting and overall management of COVID-19 specific testing

*Dover, DE*

*January 2021 - Present*

## Research

### Neuronal Stem Cell Lab | Dr. Elizabeth Kirby

THE OHIO STATE UNIVERSITY

- Project Goals: Utilization of Bio-Orthogonal Non-Canonical Amino Acid Tagging (BONCAT) to investigate the tagging of proteins with the amino acid methionine substitute azido-nor-leucine (ANL), specifically in neural stem and progenitor cells
- Detected nascent hippocampal proteins
- Designed experiments to investigate cell-specific inducible knockdown of MetRS-ANL staining in vivo

*Columbus, OH*

*May 2019 - August 2019*

### Undergraduate Medical Research Program

THE OHIO STATE UNIVERSITY COLLEGE OF MEDICINE

- Addressed communities impacted by disparities in healthcare access and other health outcomes caused by social determinants, implicit bias, and inadequate access
- Analyzed disparities in healthcare access in the local Columbus Ohio community
- Presented "Addressing the health disparities of African American collegiate football players" at the 2019 Ohio State Summer Research Symposium

*Columbus, OH*

*April 2019 - April 2020*

## Community Outreach

### College of Arts & Sciences Committee on Mental Health & Wellness

EXECUTIVE COMMITTEE

- Partnered with the Ohio State University Task Force on Suicide and Mental Health and Dean Advisory Council to develop mental health programming
- Engaged with faculty to develop in-class based training for instructors and mental health check-ins
- Made ongoing recommendations to college leadership regarding implementation of initiatives that have the broadest impact

*Columbus, OH*

*Oct. 2020 - Present*

### Office of Academic Affairs

FYE PEER LEADER

- Served as a resource and primary point of peer connection for approximately 300 students throughout their first year of college, providing ongoing intervention, referral and follow-up related to their transition needs
- Advocated for and supported priority students identified as potentially benefiting most from outreach, such as students of color, students who commute, first generation students and students from low income backgrounds
- Trained in student development, crisis management, and data-informed practice

*Columbus, OH*

*April 2020 - April 2021*

## Mental Health Legislation

Dover, DE

ADVOCATE

Sept. 2018 - Present

- Drafted legislature that proposes that Delaware public secondary schools have mandatory mental health classes and awareness programs
- Assisted in creating a position within the Delaware Department of Education dedicated to mental health curriculum changes
- expanded the Mental Health Opportunity Grants program, providing more than 15 million dollars to the expansion of mental health curricula, including the development of trauma-informed support for low-income and marginalized students

## Office of Diversity & Inclusion

Columbus, OH

MORRILL SCHOLAR

Jan. 2018 - Present

- Facilitated a welcoming environment for freshman students, especially targeting those who may feel isolated at a primarily white institution (PWI)
- Participated in professional development workshops to strengthen understanding of discrimination and other implicit biases

## Teaching Experience

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### First Year Success Series

Columbus, OH

STUDENT LECTURER

Aug. 2020 - Nov. 2020

- Facilitated and promoted the First Year Success Series, an initiative that offers more than 100 workshops intended to help new students successfully transition into college and get connected to campus resources
- Presented alongside faculty members and staff
- Collaborated with campus partners to identify areas of high interest topics for students

### MD Camp

Columbus, OH

STUDENT INSTRUCTOR

June 2019

- Conducted journal club meetings, with a focus on implicit-bias research and medical education
- Emphasized critical thinking skills for reading and comprehending scientific literature
- Contributed to increasing the recruitment and retention of minority students interested in medicine

## Honors & Awards

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|------|--|-----------|
| 2021 | <b>Mortar Board</b> , Senior Class Honorary                      |           |
| 2020 | <b>Nu Rho Psi</b> , Honor Society in Neuroscience                |           |
| 2019 | <b>Summer Research Experience</b> , OSU College of Medicine      | \$4,000   |
| 2017 | <b>Morrill Scholarship</b> , OSU Office of Diversity & Inclusion | \$118,000 |