

Zachariah Moseley

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EDUCATION

B.S., Biomedical Sciences, Expected Graduation May 2020

University of Alabama at Birmingham – Birmingham, AL

- Minor: Nutrition Sciences
- Minor: Chemistry

High School Diploma, May 27, 2016

Pine Grove Christian Academy – Centre, AL

RESEARCH EXPERIENCE

University of Alabama at Birmingham – Birmingham, AL

Spring 2017

Department of Genetics Undergraduate Researcher

Novel mutations in the zebrafish *ndr2/cyclops* gene induced by CRISPR-Cas9 RNPs, Instructor: Anil Challa, Ph.D.

Children's of Alabama – Birmingham, AL

May 2018-Present

Department of Gastroenterology and Nutrition UAB Undergraduate Researcher

Using executive function to predict outcomes and adherence in family-based behavioral weight management, Principal Investigator: Marissa Gowe, Ph.D.

TEACHING EXPERIENCE

University of Alabama at Birmingham – Birmingham, AL

June 4, 2018-Present

Teaching Assistant CH235

- Led weekly recitations in which students could learn answers to any questions.
- Assisted in proctoring tests.
- Responsible for grading weekly recitations and class exams.

Self-Employed Tutor – Birmingham, AL

January 28, 2018-Present

NTR222 – Nutrition & Health

- Prepared weekly worksheets for student review.
- Led weekly meetings to discuss and review new material throughout the semester.
- To date, all students have passed.

Desert Island Supply Company – Birmingham, AL

Fall 2016-Fall 2017

Teaching Volunteer

- Helped lead bi-weekly classes at Oliver Elementary in Woodlawn community.
- Taught creative writing classes bi-weekly.

PRESENTATIONS

Moseley, Z., Hijaz, B., Shihab, Y., Patel, R., Glover, S., Foster, S., Turner, A., M.S., Challa, A., Ph.D. *Effect of CRISPR-Cas9 Activity on Predicted Protein Structure and Function of ndr2/cyclops in Zebrafish*. Poster presentation at the 10th annual UAB Spring Expo.

HONORS/AWARDS/PROFESSIONAL MEMBERSHIPS

Alpha Epsilon Delta National Member	2018-Present
Dean's List, School of Health Professions	2017-Present
Science & Technology Honors Program, UAB Honors College	2017-Present
Personalized Pathway, UAB Honors College	2016
National Eagle Scout Association	2014-Present
Eagle Scout, Boy Scouts of America	2013

CAMPUS SERVICE

UAB Dance Marathon – Birmingham, AL	Fall 2016-Present
Families & Hospital Relationship committee member & co-chair	
<ul style="list-style-type: none">• Worked as a team member in partnership with Children's of Alabama Family Life Coordinators.• Communicated with families and organized all activities with Miracle Children.	
Biomedical Sciences Student Organization – Birmingham, AL	Fall 2017-Present
Sophomore Representative	Fall 2017-Spring 2018
<ul style="list-style-type: none">• Communicated between the student body and executive board.• Created all marketing material for all organizational events.	
Community Service Chair	Spring 2018-Present
<ul style="list-style-type: none">• Coordinates all volunteer activities with service partner, Children's Harbor.	
Active Minds – Birmingham, AL	Spring 2018-Present
Programming Chair	
<ul style="list-style-type: none">• Coordinates and oversees all organizational events.	

CERTIFICATES

- Working with Fish in Research at UAB
- Hazard Communication
- Basic Biosafety Training
- Medical Waste Management for Labs
- Hazardous Waste Handling and Packaging
- Biosafety Cabinets and Fume Hoods
- Chemical Safety Training
- Personal Protective Equipment (PA)
- Using Animals for Teaching Testing and Research at UAB
- Protection of Children Training
- CITI Good Clinical Practice
- CITI IRB Training - Biomedical

