

Rikki Adams

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Education

B.S. in Biology, Summa Cum Laude

Langston University

Maintained a 3.79 GPA

July 2018- May 2022

Postbaccalaureate Research Education Program Trainee

The University of Oklahoma Health Science Center

Took graduate level classes in order to gain experience for Graduate school, as well as further developing lab bench skills to be adequately be prepared for graduate school

July 2023- May 2024

Employment/ Research Experience

Research Scholar, *Langston University*

Learned valuable lab skills, such as pipetting, PCR, gel electrophoresis, and worked under Dr. Kj Abraham and Dr. Gnamabal Naidoo to completed my undergraduate thesis,

“A Study of Disease-Causing Pathogens in Quinoa and Spinach and their Control.”

Aug 2019-May 2022

Tutor/Lab Assistant, *Langston University*

Worked 10 hours a week helping students in Microbiology succeed, as well as managing the upkeep of the Microbiology Lab

Sep 2021-May2022

Microbiology Lab Assistant, *Oklahoma City Community College*

Set up and aided in activities for Microbiology students, including preparing laboratory classes, creating stock cultures for class examples, tutoring students and maintaining upkeep of the laboratory spaces.

Aug 2022-May 2023

PREP Trainee, University of Oklahoma Health Sciences Center

Jun 2023-May 2024

-Quantitative DNA FISH on IMR-90s

With Dr. Elizabeth Finn, I examined the genomic organization variability of normal and cancer cells with use of DNA FISH and fluorescent microscopy, hypothesizing that cancer cells vary more.

- Determining the Effects of TICRR/MTBP Knockdown on Cellular Proliferation

With Dr. Christopher Sansam, I examined the protein TICRR and its association with the cell cycle, using live cell imaging.

-An Examination of the Anti-Cancer Activity of Exosome Inhibition Combined with miR-205 expression

With Dr. Bethany Hannafon, I investigated exosomes in breast cancer cells and the effects of different drug concentration on cell proliferation.

Presentations/Publications

Presentations

“Examining the role of microRNA in physiological stress tolerance in plants”

Jan 2022

Rikki Adams, G. Naidoo, Ramanjulu Sunkar.
K-INBRE Symposium

“Heritable Variation in Genome Organization in Cancer”

Rikki Adams and Elizabeth Finn
GREAT symposium

Service/Organization Memberships

Service

McCabe Honors Program, *Vice President and President-Elect*,
Langston University

Aug 2019-May 2021

Worked as VP to the honors program and helped to lead meetings and events; stepped in as President-Elect during my term

Organization Memberships

Alpha Chi Honors Society, Member,
Oklahoma Delta Chapter, Langston University

Jan 2021-May 2022

K-INBRE Scholars, Member,
Langston University
Working along with mentors to work

Aug 2019-May 2022

McCabe Honors Program, Member,
Langston University

July 2018-May 2022

A program that grants merit based scholarships and has an adjoined
“Scholars Club” that participates in the betterment of the University;
attended events and volunteered at various locations