

# Fadeke Adeola

230 Lansdowne Drive

Slidell, LA 70461

Email: [fiadeola@uno.edu](mailto:fiadeola@uno.edu)

Phone: (985)640-1461

## Education

---

**University of New Orleans:** - New Orleans, LA

**Bachelor of Science:** Biological Sciences, 2017

**Ph.D.:** Integrative Biology, Attending

**President's List:** Summer 2016

**Dean's List:** Fall 2016, Spring 2017

## Activities

---

### **2020 (SICB) Society for Integrative and Comparative Biology Conference Session Chair**

- Introduced Speakers
- Monitored Times of Speaker Presentations

### **2018/2019 STEM Camp Graduate Mentor**

- Introduce Incoming Freshmen to Introductory Classes on Campus
- Familiarize Incoming Freshmen to Resources Available on Campus

### **2016/2017 General Chemistry I/II Teaching Assistant**

- Provide supplemental instruction for general chemistry students
- Provide tutoring and extra help in understanding general chemistry concepts

### **2015/2016 Tri-Beta club Vice-President**

- National Biological Honor Society
- Improving the Understanding of Biological Studies
- Promoting Research Opportunities

### **University of New Orleans Track and Field (High Jump)**

- 4<sup>th</sup> Place Finisher 2015 outdoor southland conference championship
- 3<sup>rd</sup> Place Finisher 2018 outdoor southland conference championship

## Internships

---

### **2016 (Summer) Environmental Research**

- Analyzed soil samples from areas affected by Deep Water Horizon spill
- Agar plate preparation
- Identified microbes in soil samples

## Research

---

### **Octopamine mediates mating interactions in the house cricket (*Acheta domesticus*)**

- Cricket husbandry
- Oral Supplementation of Neurotransmitter
- Bite force measurements through printed circuit sensor and corresponding program
- Formal selection analysis of results using R software

## Conferences

---

### **2020 (ERN) Emerging Researchers National Conference in STEM**

- Presenter: Octopamine mediates mating interactions and sexual conflict in the house

cricket (*Acheta domesticus*)

**2020 (SICB) Society for Integrative and Comparative Biology Conference**

- Presenter: The Influence of Dampened Locomotor Function on Calling Effort in the house cricket *Acheta domesticus*

**2019 Innovate UNO Conference**

- Annual Research Symposium at the University of New Orleans
- Presenter: Octopamine mediates mating interactions and sexual conflict in the house cricket (*Acheta domesticus*)

**2019 (SICB) Society for Integrative and Comparative Biology Conference**

- Presenter: Octopamine mediates mating interactions and sexual conflict in the house cricket (*Acheta domesticus*)
- Present research and communicate ideas on sexual conflict, fitness and performance

**2017 5th Annual HBCU Climate Change Conference**

- Present results based on research on invasive wild animals in Louisiana
- Promote ideas based on climate change

**2017 DU LS-LAMP/STEM Conference**

- Present research based on feral animals and climate change in Louisiana

**Awards**

---

**2020 (ERN) Emerging Researchers National Conference in STEM**

- 1<sup>st</sup> place Graduate Oral Presentation General Category: Biological Sciences

**2020 (ERN) Emerging Researchers National Conference in STEM**

- ERN travel award

**2017 DU LS-LAMP/STEM Conference**

- Present results based on research with invasive wild animals

**Programming/Software/Skills**

---

R	Python	C/C++/Arduino	UNIX command line	Git
---	--------	---------------	-------------------	-----

PC Board Soldering

**Work Experience**

---

<b>University of New Orleans</b>	New Orleans, LA	08/2019 – current
----------------------------------	-----------------	-------------------

**Living Learning Community Graduate Assistant**

- Planning Events Involving Faculty and Students
- Coordinate Marking with the Director of Residential Life and the Department of Biological Sciences

<b>University of New Orleans</b>	New Orleans, LA	08/2017 – current
----------------------------------	-----------------	-------------------

**Biology Graduate Teaching Assistant**

- Teaching Intro Biology Laboratory Course
- Introducing fundamentals of conversions, pipette usage, spectrophotometry, running PCR and gel electrophoresis

<b>University of New Orleans</b>	New Orleans, LA	01/2016 – 05/2017
----------------------------------	-----------------	-------------------

**Chemistry Teaching Assistant**

- Tutoring General Chemistry Students
- Leading a Supplemental Chemistry Course