**EDUCATION**  
**Dillard University, New Orleans, LA August 2014 – May 2018**

**Degree:** Bachelor of Science

**Major:** Biology

**Minor:** Chemistry

**GPA:** 3.40/4.00

**Louisiana State University Health Science Center, New Orleans, LA June 2018 – May 2019**

Post-baccalaureate

**University of Alabama at Birmingham, Birmingham, AL August 2019- May 2020**

Graduate student

**Louisiana State University Health Sciences Center, New Orleans, LA**   **August 2020- present**

Graduate Student

**RESEARCH EXPERIENCE**

**Louisiana State University Health Sciences Center-New Orleans Postbaccalaureate Research Education Program PREP R25GM1218**

**June 2018 – May 2019**

* A year-long research program that provided recent biomedical science post baccalaureates hands-on exposure to medical research, advanced courses, and workshops to develop scholarly potential to prepare for graduate school admissions, successful completion of the Ph.D., and careers in biomedical research

**University of Nebraska-Lincoln Summer Research Program June - August 2016, 2017**

* A 10-week summer research program sponsored by the National Science Foundation that focused on helping students gain the proper research and laboratory skills needed for graduate school. The program offered training in the biochemical field and various techniques with the opportunity to use instrumentation, such as mass spectrometry and microscopy

**Dillard University Maximizing Access to Research Careers (MARCU\*STAR) T-34 May 2015-May 2018**

* Provided support, research opportunities and exposure for undergraduate students who are underrepresented in the biomedical sciences to improve their preparation for high-caliber graduate training at the Ph.D. level

**AWARDS, HONORS AND SCHOLARSHIP**

**Award**

Travel grant awardee: Emerging Researchers National (ERN) **Washington, D.C** February 2018

**Honors**

* Beta Kappa Chi Scientific Honor Society **April 2018**
* National Institute of Science National Honor Society **April 2018**
* Dillard University Daniel C. Thompson/Samuel DuBois Cook Honors Program **January 2015 -May 2018**

**Scholarship**

* Dillard University Merit Scholarship **August 2014 - May 2018**
* Lettie Pate Whitehead Scholarship **August 2016 - May 2017**
* Marc-U Star Scholarship **August 2016 - May 2018**
* Linden Root Dickinson Scholarship  **August** **2014 - May 2015**
* Renaissance Movement Scholarship **August** **2014 - May 2015**

**ORGANIZATIONS**

* The National Society of Leadership **August 2015 - Current**
* Dillard University Chemistry Club **August 2015 - May 2018**
* Dillard University Biology Club **August 2016 - May 2018**

**SCIENTIFIC CONFERENCES AND PRESENTATIONS**

**Postbaccalaureate:**

**Oral:**

**South Central Regional Chapter 2018 Annual Meeting, Mississippi State University Starkville, MS**

October 2018(Received Honorable mention in category)

*“Skeletal toxicity of co-planar polychlorinated biphenyl congener 126 in the rat is aryl hydrocarbon receptor-dependent”*

**Ashlee E. Williams**, J. Watt, L.W Robertson, M. L. Osborn, M. J. Soares, M.J.J Ronis

**Poster:**

**Annual Biomedical Research Conference for Minority Students** **Indianapolis, IN**

November 2018

*“Skeletal toxicity of co-planar polychlorinated biphenyl congener 126 in the rat is aryl hydrocarbon receptor-dependent”* **Ashlee E. Williams**, J. Watt, L.W Robertson, M. L. Osborn, M. J. Soares, M.J.J Ronis

**Society of Toxicology Annual Meeting**  **Baltimore, MD**

*“Skeletal toxicity of co-planar polychlorinated biphenyl congener 126 in the rat is aryl hydrocarbon receptor-dependent”* **Ashlee E. Williams**, J. Watt, L.W Robertson, M. L. Osborn, M. J. Soares, M.J.J Ronis

**Undergraduate**

**Poster:**

**Emerging Researchers National Conference Washington, D.C**

February 2018

*“Comparison of the Stability and Reactivity of WhiB7 Homologs from Actinobacteria”*

**Ashlee E. Williams**, Daisy Guiza Beltran, Limei Zhang Annual Biomedical Research Conference for Minority Students

**Annual Biomedical Conference for Minority Students Tampa, FL**

November 2016

“*Comparison of the Stability and Reactivity of WhiB7 Homologs from Actinobacteria*”

**Ashlee E. Williams**, Daisy Guiza Beltran, Limei Zhang

**Dillard University Undergraduate Research Week New Orleans, LA**

April 2017

*“Functional Examination of Hyaluronidase, Hyal 2 an enzyme important for bone marrow growth”*

Ashlee E. Williams, Eryn Lee, Melanie Simpson

**University of Nebraska-Lincoln Summer Research Symposium Lincoln, NE**

August 2017

*“Comparison of the Stability and Reactivity of WhiB7 Homologs from Actinobacteria”*

**Ashlee E. Williams**, Daisy Guiza Beltran, Limei Zhang

**Annual Biomedical Research Conference for Minority Students Phoenix, AZ**

November 2017

“*Comparison of the Stability and Reactivity of WhiB7 Homologs from Actinobacteria*”

**Ashlee E. Williams**, Daisy Guiza Beltran, Limei Zhang

**University of Nebraska-Lincoln Summer Research Symposium Lincoln, NE**

August 2016

*“Functional Examination of Hyaluronidase, Hyal 2 an enzyme important for bone marrow growth”*

**Ashlee E. Williams**, Eryn Lee, Melanie Simpson

**PUBLICATIONS**

1. Pedersen KP, **Williams AE**, Watt J, **Ronis MJ.** [Improved method for isolating high-quality RNA from mouse bone with RNAlater at room temperature](https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.sciencedirect.com%2Fscience%2Farticle%2Fpii%2FS2352187219300178%3Fvia%253Dihub&data=02%7C01%7Cawil79%40lsuhsc.edu%7C83295a936be1453ec67208d6e5d4db08%7C3406368982d44e89a3281ab79cc58d9d%7C0%7C0%7C636949099703205855&sdata=%2FU5i9%2BQksvn6EBNW7GZB6NnYvvi%2Fw41kVDUBNhRC%2F1s%3D&reserved=0). Bone Reports11(2019) 100211
2. Pedersen KP, Osborn ML, Robertson AC, **Williams AE**, Watt J, Denys A, Schröder K, **Ronis MJ**.  Chronic ethanol feeding in mice decreases expression of genes for major structural bone proteins in a Nox4-independent manner. JPET, 2020
3. **Ronis, MJ,** Watt, J, Pulliam, CF, **Williams, AE**, Alund, AW, Haque, E, Gadupudi, GS, Robertson, LW. Skeletal toxicity resulting from exposure of growing male rats to coplanar PCB 126 is associated with disruption of calcium homeostasis and the GH-IGF-1 axis and direct effects on bone formation. Arch Toxicol. 94:389–399, 2020.
4. **Williams AE**, Watt J, Robertson LW, Gadupudi G, Osborn ML, Soares MJ, Iqbal K, Pedersen KB, Shankar K, Littleton S, Maimone C, Eti NA, Suva LJ, **Ronis MJJ.** Skeletal Toxicity of Coplanar Polychlorinated Biphenyl Congener 126 in the Rat is Aryl Hydrocarbon Receptor-Dependent. Toxicol. Sci. 2020 Mar 2. pii: kfaa030. doi: 10.1093/toxsci/kfaa030

**COMMUNITY SERVICE**

* **Martin Luther King Day of Service January 2015, 2016** 
  + A part of United We Serve, calls for Americans from all walks of life to work together to provide solutions to our most pressing national problems.
* **United Negro College Fund Walk October 2014, 2015, 2017**
* **Game night with the Nursing Home March 2016**
  + Assisted with set-up for game night. Interacted with the elderly while playing games and having dinner
* **Susan G. Komen Breast Cancer Walk October 2017**
* **Habitat for Humanity**  **April 2015** 
  + Assisted with building a home for a family in New Orleans, LA

**MENTORING EXPERIENCE**

2021- Co-mentoring: Simkin Laboratory LSUHSC

**High school student:** Anita Zahiri

**LEADERSHIP**

**2021-** LSUHSC Students for sustainability

Vice President