

Julianne Grace Clina

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Research Interests

Obesity related diseases; weight loss maintenance; obesity and Autism spectrum disorder; intervention studies

Education

Doctor of Philosophy in Nutrition Sciences

August 2019 - Present

University of Alabama at Birmingham, Birmingham AL

Bachelor of Science in Health Science Allied Health Pre-Professional - *Magna Cum Laude*

Lee University, Cleveland TN

August 2016 - May 2019

Research Experience

Research Assistant

August 2019 - Present

“Comparing High and Normal Protein Diets for the Remission of Type 2 Diabetes”

Department of Nutrition Sciences, University of Alabama at Birmingham.

PI: James O. Hill, PhD Supervisor: R. Drew Sayer, PhD

Investigated the effect of various diets on obesity and diabetes status during a 52-week behavioral weight loss intervention. Responsible for calibrating and performing DXA scans, RMR tests, physical activity tests, collecting anthropometric measures, recruitment and phone screening of participants, preparing IRB amendments, performing data entry and quality assurance checks, and creating surveys on REDCap.

Independent Research

January 2019-May 2019

“The anti-bacterial and antibiofilm properties of lipids against *Pseudomonas aeruginosa* and *Staphylococcus aureus*: Bacteria and Cystic Fibrosis”

Department of Natural Sciences, Lee University

Investigated the effect of various lipids on the bacterial properties, both individually and co-cultured, of bacteria commonly infecting individuals with cystic fibrosis. Responsible for preparing various growth media, preparing bacterial cultures, performing the “Microtiter Dish Biofilm Formation Assay” (created by George A. O’Toole) and performing plate readings using EMax Plus Microplate Reader.

Presentations

Clina JG, “The anti-bacterial and antibiofilm properties of lipids against *Pseudomonas aeruginosa* and *Staphylococcus aureus*: Bacteria and Cystic Fibrosis” Lee University Poster Symposium, Cleveland TN. April 2019

Awards and Recognitions

Blazer Graduate Research Fellowship

August 2019 –December 2020

University of Alabama at Birmingham

Honors Scholarship

August 2017- May 2019

Lee University

Presidential Scholarship

August 2016- May 2018

Lee University

Outstanding Freshman English Award

November 2016

Lee University

Teaching Experience

Teaching Assistant, Principles of Nutrition,
Professor: Benjamin Christmann, PhD, Lee University

January 2018- May 2018

Guest Presenter, "Choosing Healthier Snacks",
Boys and Girls Club, Cleveland TN

April 2018

Tutor, Microbiology
Professor: Joseph Daft, PhD, Lee University

August 2017-December 2017

Service

University Service

Collaboration Team Member, Selected Student Participant,
University of Alabama at Birmingham, Department of Nutrition Sciences

February 2020-Present

- Developed projects with faculty to increase departmental collaboration
- Participated in monthly meetings to share ideas
- Communicated with faculty to increase student engagement

Project Coordinator, Lee University Environmental Club
Cleveland, TN

August 2017- May 2018

- Coordinated transportation to work cite
- Participated in gardening for food to be donated
- Collected campus recycling, separated recycling, and brought to facility
- Participated in effort to get recycling facility on campus

Mentoring and Leadership

Tutor and Mentor, YMCA Community Action Program
Cleveland, TN

August 2016-May 2017

- Tutored students (aged 7-14) in various school subjects
- Mentored students in a one-on-one setting in emotional control, understanding hardships, and the importance of education

Student Assistant, LUDIC Center
Cleveland, TN

September 2018

- Supervised activities for children on the autism spectrum (ages 4-16)

Professional Affiliations

American Society for Nutrition, Member

January 2020 - Present

Lee University Environmental Club, Chaplain

Spring 2017 - Spring 2019

Professional Experiences

Attendant Care Giver, CHOICES

August 2018-May 2019

Cleveland, TN

- Taught math, reading, penmanship, logic, and piano to individual with severe autism
- Assisted individual (age 24) with severe autism complete daily tasks including, exercising, eating meals, facilitating social interaction, completing transactions at stores, filling out health forms

Student Worker, Lee University Department of Natural Sciences

August 2018- May 2019

Cleveland, TN

- Graded student work including tests and papers
- Prepared lab media including bacteria cultures and growth media