

Postbaccalaureate Research Education Program in Biomedical Sciences PREP

Term: 2023-2024 | Issue 6 | Date: May 2024

PREP Symposium



PREP held the 5th Annual PREP Symposium May 23, 2024. **Dr. Keisa Williams Mathis, Associate Professor of Internal Medicine & Physiology at The University of Texas Southwestern**, delivered the keynote address, “Neuroimmune regulation of inflammation in the kidney and its importance in hypertension and lupus.”

Each of the PREP Scholars presented the research they’ve worked on with their mentors throughout the year.

Dwayne Crenshaw, BS

Faculty Research Mentor/Department:

Dr. Jennifer Lentz, Otorhinolaryngology

Title: Development of a Model for Traumatic Brain Injury Induced Hearing Loss

Caitlyn Digs, BS

Faculty Research Mentor/Department:

Drs. Li Shen and Alison Quayle, Microbiology, Immunology & Parasitology

Title: Targeted topA Repression Influence Chlamydia Trachomatis Response to Antibiotics



Nicholos Horne, BS

Faculty Research Mentor/Department:

Dr. Jason Gardner, Physiology

Title: Sex Differences in the Pre-Clinical Model of Alcohol-Induced Cardiomyopathy

Victoria Rodriguez, BS

Faculty Research Mentor/Department:

Dr. Liz Simon, Physiology/Dr. Jovanny Zabaleta, Oncology

Title: Differential Effects of Metabolic Stressors and Ethanol on Hepatocyte Spheroids

Katelyn White, BS

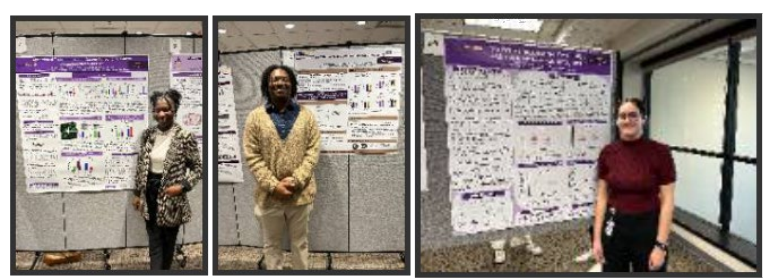
Faculty Research Mentor/Department:

Dr. Sunyoung Kim, Genetics/Dr. Edward Wojcik, Biochemistry

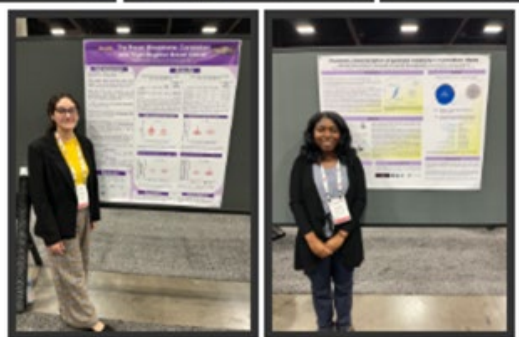
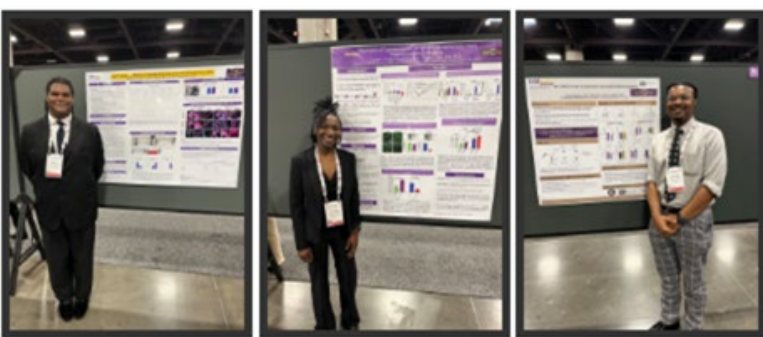
Title: Proteomic Characterization of Postnatal Metabolism in Premature Infant

PREP Scholars Attended Conferences

Caitlynn Diggs was awarded 1st Place Postbaccalaureate Poster Presentation at LSUHSC SGS Graduate Research Day and Best Poster for Microbiology at ABRCMS.



LSUHSC School of Graduate Studies Research Day November 2023



Annual Biomedical Research Conference for Minoritized Students (ABRCMS) Phoenix, AZ November 2023

PREP APPLICATION DATES

Open: December 1st
Deadline: March 1st
Notice: April 30th
Start Date: June 1st

Welcome 2024/2025 PREP Scholars

Deja Holmes, BS

Prairie View A&M University/Biology
Mentor: Dr. Amelia Jernigan, OBGYN Oncology

Trinity Martin, BS

Loyola University New Orleans/Cell and Molecular Biology
Mentors: Drs. Li Shen and Alison Quayle, Microbiology, Immunology & Parasitology

Tendayi Mpofu, BS

Xavier University of LA/Neuroscience Pre-Med
Mentor: Dr. Jorgelina Calandria, Neuroscience

Alyssa Negron, BS

Caldwell University/Biology
Mentor: Dr. Peter Winsauer, Pharmacology

2023/2024 PREP Scholars Accepted into PhD Programs

Caitlynn Diggs

Morehouse School of Medicine

Victoria Rodriguez

Louisiana State University

Kaitlyn White

University of Alabama, Birmingham

PREP CONTACTS

Lisa M. Harrison-Bernard, PhD, PREP Director
PREP@lsuhsc.edu

Allison C. Augustus-Wallace, PhD, PREP Co-Director
awall1@lsuhsc.edu

Jovanny Zabaleta, PhD, PREP Co-Director
jzabal@lsuhsc.edu

Stefany D. Primeaux, PhD, PREP Coordinator
sprime@lsuhsc.edu

Melissa Prestwood, PREP Administrator
mpres3@lsuhsc.edu

NIH Funding Grant Number: 1R25GM148309
<http://PREP.lsuhs.edu>