

Overview

PREP

Among the participating programs are:

Biochemistry, Molecular biology, Microbiology, Genetics, Physiology, Bioengineering, Pharmacology, Neuroscience, Cellular and Molecular biology.

Requirements:

- ✓ Must have **graduated**.
- ✓ Must be underrepresented minority, disabled or disadvantaged. (**UMDD**)
- ✓ Must be **Science** major.
- ✓ Science GPA of 3.0 or better.
- ✓ Must plan to apply for **Ph.D.** in biomedical or behavioral sciences.
- ✓ Fluency in **English** is required. All program activities are conducted in English.



Contact Us

Postbaccalaureate Research
Education Program (PREP)
at Michigan State University

Life Science

1355 Bogue St Room B331
East Lansing MI 48824 US

E-mail: atchiso1@msu.edu
jaimanc1@msu.edu

Visit us: www.msuprep.com



National Institute of
General Medical Sciences

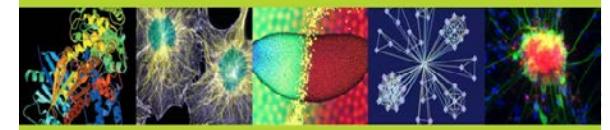


MICHIGAN STATE
UNIVERSITY



National Institutes of Health

Postbaccalaureate Research Education Program



If you have a baccalaureate degree in sciences and you are interested in pursuing a Ph.D. degree, **this program is for you!**

Postbaccalaureate Research Education Program

PREP encourages individuals from underrepresented groups who hold a recent baccalaureate degree in science to pursue a research doctorate. This program is expected to strengthen the research skills and academic competitiveness of participants for pursuit of a graduate degree, while also stimulating them to have an interest in addressing the health problems that affect minorities and the medically underserved in the United States.

The goal of a post-baccalaureate research experience program at **Michigan State University** is to increase the number of under-represented minority, disabled or disadvantaged (URMDD) Ph.D.s trained in the biomedical/behavioral sciences by facilitating entry of students into high quality and highly competitive Ph.D. or dual degree (M.D. /Ph.D., D.O. /Ph.D., D.V.M./Ph.D) programs and enhancing their likeliness of success in those programs.

(niams.nih.gov/training/prep)

Program Description:

- ✓ **Begins June 15th. (Date may vary)**
- ✓ Students will take an online biostatistics class in summer while working on their research project.
- ✓ An individual development program (IDP) will be created for each PREP student which will help identify courses and a research mentor best suited for each student.
- ✓ Students will work in a hypothesis-directed research project.
- ✓ Students will take a semester-long course (2 credits) stressing translational and interdisciplinary approaches to understanding the etiology of human disease, which will entail significant practice in writing, as well as an integral journal club.
- ✓ Additional activities include: graduate coursework, help with writing personal statements for graduate applications; simulated interviews; assistance in completing graduate applications; GRE preparation.
- ✓ Improvement of communication skills will involve both informal and more formalized settings (research presentations, participation in class, journal club participation and paper writing).
- ✓ EACH student will take one academic course/semester, chosen based on their IDP

What is provided?

- ✓ Travel to/from home to East Lansing.
- ✓ Travel to scientific meeting/year which may include one of the minority student directed meetings: **ABRCMS** or **SACNAS**, or if possible, a national scientific society meeting

(Society of Toxicology, Society for Neuroscience, Biophysical Society, Experimental Biology, or American Heart Association Meetings).

- ✓ Salary ~\$26,000 year.
***Note: Students must pay for housing and meals.**
- ✓ Health insurance.
- ✓ Tuition for up to 6 credits/semester of coursework to include:
 - A didactic class of 3-4 credits
 - 2 credit translational biology courses such as **PHM980***.

*** Is designed as a writing and literature evaluation class. In the 2nd semester the student will develop a one specific aim research proposal and defend it in an oral presentation.**

How to apply? Send directly by email to Dr. William D. Atchison (atchiso1@msu.edu).

- ✓ Resume or CV including all relevant experience.
- ✓ Personal statement in which you describe your professional goals, prior experience and describe how this PREP experience will help you attain your goals.
- ✓ Non-official transcripts.
- ✓ **(3)** Letters of recommendation send as PDF to the email address above, and addressed to Dr. Atchison.

