The Postbaccalaureate Research Education Program (PREP) is in its ninth year and is funded by a training grant from the National Institute of General Medical Sciences. Drs. Debra I. Diz and TanYa Gwathmey direct the program. The goal is to increase diversity in our graduate school programs by providing research training and academic enhancements for students interested in careers as biomedical scientists.

Additional student support for their research projects comes from individual research grants to the faculty mentors.

Of the 2011-12 class of participants, 3 will enter Ph.D. programs at Meharry University, University of South Carolina, and University of Pittsburgh, 1 will enter an M.D. program at Ross University, 4 will remain in PREP.

Of the 61 students who have completed the PREP, 29 entered Ph.D. programs, 16 entered Masters programs and 8 entered professional schools. Twenty-one were offered positions in programs at Wake Forest University. Fifteen accepted those offers and 11 of those students have already received their degrees (9 Ph.D., 1 Masters and 1 M.D.).
PARTICIPANTS

Crystal Conaway, B.S.
mentor: Weiling Zhao, Ph.D.
Thoracic Radiation of FVB/N Mice Led to Chronic Lung Injury and Foam Cell Formation

Anabel Flores, B.S.
mentor: George Kulik, Ph.D.
Potential Activation of the Pro-apoptotic BIM Protein by Combination of PI3K and Protein Synthesis Inhibitors

Lourdes Flores, B.S.
mentor: Jorge Figueroa, M.D., Ph.D.
Effects of Antenatal Glucocorticoids and Diet Induced Obesity on Skeletal Muscle Insulin Signaling Pathways

James Johnson, B.S.
mentor: James Daunais, Ph.D.
Ethanol Stress Interaction in a Rhesus Macaque Model of Self-Administration

Kara Morrison, B.S.
mentor: David Mount, Psy.D., M.A.
Prevalence Differences Among Predominantly Low Income Women with Controlled and Uncontrolled Type 2 Diabetes: Findings from the North Carolina Neurocognition Risk Reduction Diabetes Study

Sophy Perdomo, B.S.
mentors: Carol Milligan, Ph.D.
Ronald Oppenheim, Ph.D.
The Role of Pericytes in SOD1 Vascular Damage

Stephen W. Simington, B.S.
mentors: Carlos M. Ferrario, Ph.D.
Jasmina Varagic, M.D., Ph.D.
Plasma Ang-(1-12) is Produced Independently of Renin from the Customized Ang-(1-20)

Jose L. Torres-Castillo, B.S.
mentors: Patricia E. Gallagher, Ph.D.
E. Ann Tallant, Ph.D.
Effect of TI-600176 on Blood Pressure and Cardiac Damage in Ang II-induced Hypertension