

Ephrem Teklemariam

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Education

2006–2010 B.S., Molecular Biology, George Mason University, Fairfax, VA (with honors)
Minor in Chemistry

Experience

National Human Genome Research Institute, Center for Research on Genomics and Global Health.

National Institutes of Health, Bethesda, MD

June 2010-present Postbaccalaureate Intramural Research Training Award (IRTA) Program
Working on type 2 Diabetes and Obesity research specifically in analyzing biomarkers that link T2D, Obesity, and inflammation in human populations.

Weill Cornell Medical College, New York, NY

June –Aug. 2008 Travelers Summer fellowship Program at Weill Cornell Medical College
Worked on Breast Cancer Research on the use of Curcumin for treatment of Ductal Carcinoma in situ (DCIS). This fellowship also had a clinical aspect which included rounds, patient interaction and supervised physical examination of the patients, as well as weekly lectures on pressing issues in healthcare.

George Mason University, Fairfax, VA

Spring 2007- Fall 2009 Undergraduate researcher

Worked on Conjugation of Antimicrobial peptides to more potent drugs for the design of an effective drug delivery system.

Fall 2008-Spring 2009 Two separate Faculty Apprenticeship

This is a scholarship awarded to high achieving undergraduates to do research with a mentor. The scholarship includes a stipend.

Conferences & Presentation of Research

2009 Colonial Academic Alliance (CAA) conference, MD-research performed with Dr. Bishop, Biochemistry Department GMU.

2008 Mid-Atlantic Regional Conference for Undergraduate Research (MARCUS)

2008 Weill Cornell Medical College –summer of research on the use of Curcumin as a therapeutic agent on Ductal Carcinoma in Situ.

Honors and Awards

- Postbaccalaureate Intramural Research Training Award (IRTA), the National Institutes of Health.
- Faculty Apprenticeship, GMU
- Summer Fellowship, Weill Cornell Medical College

Memberships and Affiliations

2009-2010 President, Pre-Health Journal Club at George Mason University.

2007-2010 Member, GMU Circle K international

2008-2009 Volunteer, Inova Alexandria Hospital

2006-present Alpha Lambda Delta Honor Society

2009-present Golden Key International Honor society

Article publication. (non peer reviewed)

Teklemariam (2010) *Journal of Premedical Students (GMU): The Importance of Health Information Technology (HIT) in quality treatment of patients and decreasing the cost curve for national healthcare spending.*