

## College of Veterinary Medicine

**Tewodros Endalew**

Interdisciplinary Pathobiology, PhD Student

E-mail: [tendalew@mytu.tuskegee.edu](mailto:tendalew@mytu.tuskegee.edu)



Advisor: Dr. Tsegaye Habtemariam

### EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
Arba Minch University, Ethiopia	Associate	1992	Water Resource Engineering
Fort Valley State University, GA	BS	2003	Computer Science
Fort Valley State University, GA	MS	2012	Biotechnology
University of Puerto Rico, PR	Certificate	2015	Health Disparities: A Translational Research Approach

### RESEARCH

- My research focuses on Healthcare disparity of the population studies on prostate cancer research to assess the demographics, Healthcare utilization and cost estimate and trend analysis on Alabama Department of Public Health and National Inpatient Samples data sets.
- To develop a genetic epidemiology of Prostate Cancer model that will examine the associations and variations within and among genes and pathways.
- To develop a software that will implement the Prostate Cancer model in biomedical research.

### RECENT PUBLICATIONS

- Clive, B, **Tewodros, E.**, Bipul, B., Anand, Y., Mike, H., Katy, S., Bruce, W. Wood, A. (2014). Comparison of UP-PCR and RAPD markers to study genetic diversity of *Fusicladium effusum* (G. Winter), cause of pecan scab. *Forest Pathology*, 26 FEB 2014, DOI: 10.1111/efp.12090.

### SERVICE ACTIVITIES

- Assists in methylation analysis, SNP, DNA/RNA sequence analysis, Chip and RNA sequence analysis, Annotation and Visualization of Genomic data.
- Assists in statistical analysis in SAS, R programming, bioinformatics structures, and Geographic Information Systems in genomic research.
- Genomic research in colorectal, prostate, breast and cervical cancers.
- Assists in analysis of Microarray, Gene Expression, and NGS data.
- Integrating Epidemiology with GIS apps for disease prediction.