

College of Veterinary Medicine

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Title: Professor

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EDUCATION/TRAINING

Institution and Location	Degree	Graduat. Year	Major
Addis Ababa University, Ethiopia	DVM	1985	Veterinary Medicine
Justus-Liebig University, Giessen, Germany	PhD	1995	Microbiology
Manitoba Institute of Cell Biology, Canada	Postdoc Fellow		Cell Biology
Yale University, School of Medicine, New	Postdoc Assoc.		Cell Biology

TEACHING

Spring Semester: MBIO 0208.01 (Medical Microbiology), VMED 0831.01 (Grand Rounds-second Year), VMED 0813.01 (Grand Rounds-First Year), MSPH 0620 (Epidemiology of Infectious Disease), and VMED 819.01 (Infection and Immunity IV)

Fall Semester: VMED 819 (Infection and Immunity III), VMED 800.01 (Vet Law, Ethics and Financial Literacy (Grand Rounds)), VMED 831.01 (Grand Rounds), and VMED 806_Grand Rounds-First Year

RESEARCH INTERESTS

The main research focus include but not limited to; i) Development of robust and rapid molecular-based detection technique with major emphasis to foodborne pathogens and biothreat agents; ii) Identify the role and risk injured foodborne pathogens after thermal and pH challenge and characterize bacterial growth, gene expression and genome rearrangements of bacteria as a consequence of temperature and pH stresses; iii) Modification of PCR sample preparation to delineate dead and live bacteria and iv) study the antibiotics resistance issue for foodborne pathogens. The outcome of these studies will be instrumental to develop better detection platforms for foodborne and infectious pathogen.

RECENT PUBLICATIONS

T Yehualaeshet, G Edmonds-Wiggins, C Jones, M Graham, K Dillard, T. Samuel. (2019). Bacterial microbiome of nasal swabs from healthy dogs and their owners: bacterial diversity, intra-and interspecies interface Int J Vet Anim Med 2 (2), 120

T Yehualaeshet, Crystal Cain, Brandon R. Gines, David McKenzie (2019). Cross-sectional study: Use of Antimicrobials in the Veterinary Clinics and Antibiotic Resistance International Journal of Veterinary and Animal Medicine 2 (2), 1-6

Gines, B. Collier, W. Abdalla, M. and T. Yehualaeshet. 2018. Influence of Metabolite Extraction Methods on 1H NMR based Metabolomic Profiling of Enteropathogenic Yersinia. Methods Protoc. (MDPIO 2018, 1) 45; <https://doi.org/10.3390/mps1040045>

Teshome Yehualaeshet, Martha Graham, Temesgen Samuel, Sarah E Rowe Morton, Soren Rodning and Tsegaye Habtemariam. 2017. Comparison and Validation of IS900-Sequence and Putative Sequences as Specific Target to Detect *Mycobacterium avium subsp. paratuberculosis*. Journal of Animal Science and Research. Sci Forschen Article Volume: ISSN 2576-6457.