

GRADUATE STUDENTS (PhD and MS) SUPERVISED:

1. Joseph A. Hakim, PhD. 2019. "Genomic insight into the gut microbiome of the sea urchins *Lytechinus variegatus* and *Strongylocentrotus purpuratus* revealed distinct community compositions and their metabolic profiles."
2. Hyunmin Koo, PhD. 2018. "Metagenomics approach to the study of microbial community structure and function in perennially ice-covered freshwater lakes in cold ecosystems."
3. Joseph A. Hakim, MS. 2016. "Comparison of gut microbiomes in natural and laboratory cultured Sea Urchins."
4. Stephanie Momeni, PhD. 2016. "MLST on *Streptococcus mutans*." (Jointly with Dr. Noel Childers, UAB School of Dentistry). Current: Post-doctorate, UAB School of Dentistry.
5. Hyunmin Koo, MS. 2013. "Effect of MC252 Oil on Microbial Diversity in Gulf of Mexico Sediments."
6. Jonathan Huang, PhD. 2013. "Microbial biodiversity in Antarctic Lakes." 2013. Current: DMD
7. Nazia Mojib, PhD. 2011. "Study of the cold adaptive mechanisms in bacteria and investigation of the chemotherapeutic and antimicrobial potential of their pigments." Current: Post-doctorate at Georgia Institute of Technology.
8. Amy Roach, MS (Plan II). 2011. "Diversity, Biosynthesis, and Applications of Extremophile Eubacterial Pigments."
9. Genola Burke, MS. 2009. "Taxonomic analysis of Antarctic biodegradative microorganisms and study of community profile by real-time PCR." Current: Birmingham City School.
10. Maulshree Gangwar, MS. 2008. "Rapid detection of *Salmonella* in shellfish using real time PCR." 2008. Current: The World Bank.
11. Linda Ward, MS. 2005. "Detection of *Vibrio parahaemolyticus* in shellfish (UAB Dept. of Forensic Science) using multiplexed real-time PCR with taqman fluorescent probes."
12. Gitika Panicker, PhD. 2004. "Molecular analysis and detection of *Vibrio vulnificus* in its quiescent and active state." Current: CDC.
13. Amy Rizvi, MS. 2004 "Rapid detection of pathogenic *Vibrio parahaemolyticus* in shellfish and GoM water using multiplexed conventional and real-time PCR." Current: Eli Lilly and Company.
14. Michael Myers, PhD. 2002. "Identification and characterization of serum-induced genes and development of a rapid detection of selected Gram-positive and Gram-negative bacterial species." Current: USDA.
15. Lisa Blankinship, MS. 2002. "Molecular analysis, detection, and elimination of *Vibrio parahaemolyticus* from shellfish." Current: University of North Alabama. (Received PhD, UAB).

16. Michael Myers, MS. 2001. "Detection of *Vibrio parahaemolyticus* O3:K6 in Gulf water." Current: USDA.
17. Madalina Mateescu, MS. 2001. "Response and tolerance of *Vibrio cholerae* O1 at cold temperatures."
18. Greer Kaufman, MS. 2001. "Molecular methods for detection and characterization of *Vibrio parahaemolyticus*." Current: Southern Research. (Received PhD, UAB).
19. Gitika Panicker, MS. 2000. "Cold adaptation and biodegradation of aromatic hydrocarbons by Antarctic microorganisms." Current: CDC (Received PhD, UAB).
20. Michael Vickery, MS. 1997. "PCR-based approaches for monitoring microbial pathogens in seafood." Current: BioGx, Inc. (Received PhD, UAB).
21. Cynthia Brasher, MS. 1997. "Development of a multiplex PCR methods for detection of microbial pathogens in shellfish." Current: Genentech.
22. Amanda Jeffreys, MS. 1997. "Molecular mechanisms of cold adaptation in *Salmonella typhimurium*."
23. Albert Lee Smith, MS. 1996. "Bacterial identification and characterization by DNA fingerprints." (Received M.D., UAB).
24. Jonathan Southworth, MS. 1995. "Development of a conditional Suicide system in bacteria for the containment of genetically engineered microorganisms released in the environment." Current: M.D.