

**T. Miller-Morgan, DVM**

[tim.miller-morgan@oregonstate.edu](mailto:tim.miller-morgan@oregonstate.edu)

541-867-0265

Project: Continued Characterization of pathogenic bacterial flora associated with freshwater tropical fish imported from Singapore and South America.

The students will work with Drs. Tim Miller-Morgan and Luiz Bermudez and a local ornamental fish importer to continue our study of pathogenic and zoonotic bacterial pathogens associated with ornamental fish imported from Singapore and South America. Our previous study identified a number of pathogenic and potentially zoonotic bacterial agents associated with imported fish as well as significant antibiotic resistance patterns among these isolates. This summer we plan to explore whether these bacterial populations differ with country of origin or with the length of time fish are held in the import facility. Further we would like to determine if resistance may be passed to between species while they are held at the import facility.