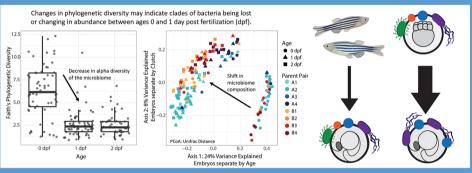
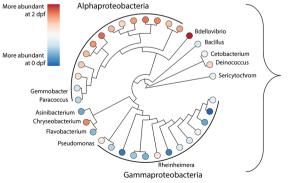
## Drivers of Assembly in the Developing Zebrafish (Danio rerio) Embryo Microbiome

## Tank A Research Questions How do parentals influence the microbiomes of their offspring? How does age influence the microbiome of a developing embryo? Tank B

To address these questions, we sampled wildtype zebrafish embryos from multiple pairs of parents from two stock tanks at the UO Huestis Zebrafish Facility.





What genera change in abundance during development?

Differential abundance analysis reveals phylogenetic patterns in abundance of bacterial genera from age 0 to age 2 dpf.

With few exceptions, genera in the class Alphaproteobacteria grow in abundance between ages 0 and 2 dpf, while Gammaproteobacteria decrease.