**Previous capstone projects**

Over fifty undergraduates have done research projects in the Doty Lab. The following is a list of some of the undergraduate research projects that involved plant microbiology

Isolation and identification of N-fixing microbes from within wild poplar and willow (molecular microbiology)

Characterization of N-fixing microbes from poplar (microbiology and molecular biology)

Quantification of the growth enhancements of crop plants with N-fixing endophytes (plant biology and physiology)

Quantification of the impacts of poplar with N-fixing endophytes (plant biology and physiology)

Isolation of xylose-utilizing fungi for biochemical production (microbiology)

Characterization of endophytic yeast for biochemical production (microbiology and biochemistry)

Endophytes to assist phytoremediation of PAHs (plant biology, microbiology, biochemistry)

Characterization of endophytes for bioremediation of explosives (microbiology, molecular biology, biochemistry)

Genomic analysis of an endophytic yeast strain from poplar (genomics, molecular biology)

Isolation and identification of the putative N-fixing endophytes of invasive knotweed