



INFLUENCE OF LIFESTYLE ON THE CORE ORAL MICROBIOME

The logo consists of several horizontal lines of text. At the top is the word "UTAH VALLEY" in a white sans-serif font. Below a thin horizontal line is the acronym "UVU" in a large, bold, white, blocky font. Another thin horizontal line follows. At the bottom is the word "UNIVERSITY" in a white sans-serif font, with a small "TM" symbol at the end. A final thin horizontal line is at the bottom.

Funded by UVU URSCA Grant

Harrison Haws, Joseph Jimenez, Nicholas Long, Dr. Geoffrey Zahn
Biology Department, Utah Valley University

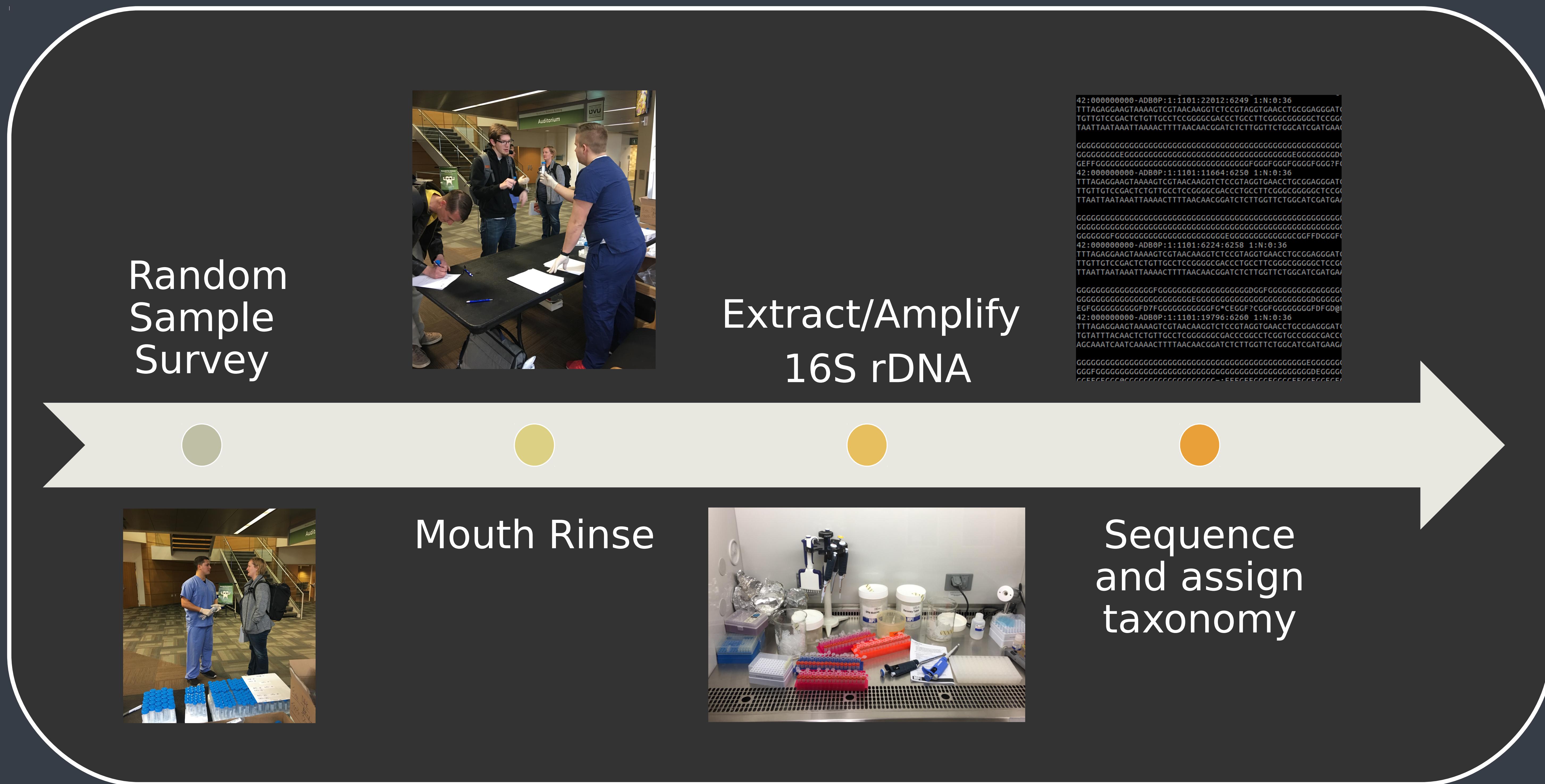
@Swoosh4Science

Purpose:

To understand whether or not demographics, lifestyle or dietary choices are key factors in determining the oral microbiome.

Methods:

- Self-reported questionnaire
 - Oral rinse collected ($N=174$)
 - Next-gen sequencing of 16S



Results: Gender, ethnicity, tobacco use, and exercise didn't noticeably affect the core microbiome of individuals. There was a hint of dietary correlation but larger sample sizes will be needed to investigate this further.

