

BIOF 089: Microbiome Bioinformatics with QIIME2

Members of the QIIME development group will lead this hands-on workshop on bioinformatics tools for microbial ecology. The workshop will include lectures covering basic QIIME usage and theory, and hands-on work with QIIME, to perform microbiome analysis from raw sequence data through publication-quality statistics and visualizations. The workshop will also cover related bioinformatics tools including DADA2, Emperor, scikit-bio, and an introduction to applied bioinformatics. This workshop will provide the foundation on which participants can begin using these tools to advance their own studies of microbiome analysis or microbial ecology. This is a hands-on workshop. Participants must bring their laptop. This workshop will be on QIIME2 platform only.

Credits: 2

Class Type: Workshop

Program: Bioinformatics and Data Science