

# COBRE Microbiome Workshop Series

## From 16S to Shotgun: A Two-Day Metagenomics Workshop

### This two-day workshop will help you:

- Design robust microbiome experiments and prepare samples
- Understand 16S/ITS amplicon-based metagenomics workflows
- Process and analyze sequencing data using QIIME 2
- Perform quality control, feature table construction, and taxonomic assignment
- Conduct diversity analysis and data visualization
- Apply whole genome shotgun sequencing approaches
- Perform read-based taxonomic profiling and metagenome assembly
- Carry out functional annotation and statistical analysis

**Only 40 seats available, please register for selection**  
**Registration open until Jan 20 2026**



**MICROBIOLOGY & IMMUNOLOGY DEPT**  
**ROOM A371**



**Thursday and Friday**  
**Jan 29 & 30 2026**

**Register here**



**Starts at**  
**9:30am - 4:30pm**



**Katrine Whiteson, Ph.D.**  
**U.C. Irvine**



**Julio Avelar Barragan, Ph.D.**  
**U.C. Irvine**



**Filipa Godoy Vitorino, Ph.D.**  
**University of Puerto Rico**



**COBRE**  
Puerto Rico Center for  
Microbiome Sciences

**UCI Microbiome**



**PRINBRE**  
IDeA Network of Biomedical Research Excellence



This workshop is supported by the National Institutes of Health (NIGMS-NIH) award #1P20GM156713-01

