MED-Oligotyping and Analysis and Visualization of ‘Omics (Anvi’o) Workshop

\*\* Important notes. We will provide information, example data (for those who don’t have their own), and coffee. Please bring **Lunch**! MSC is rather isolated and although there are eateries nearby, it’s far from ideal.

**Agenda:**

Day 1:

9:00 – 10:00

MED-Oligotyping discussion

10:00 – 11:00

Unix crash course and tutorial

11:00 – 12:00

real world examples. How to interpret MED output

12:00 – 1:00

Continue to work through our example data and eat lunch

1:00 – 2:00

Introduction to Anvi’o

2:00 – 3:00

Creating a contigs database and loading it with data

3:00 – exhaustion

Anvi’o metagenomics workflow – binning, refining, and summary

Day 2:

9:00 – 12:00

Review of day1 and any sticky points.

Analyzing SNVs

12:00 – 1:00

lunch and thoughts on SNVs

1:00 – 2: 00

Pangenomics

2:00 – 3:00

Phylogenomics

3:00 – 4:00

Combining ‘omics Data

4:00 – 5:00

Interactive Data Types

5:00 – exhaustion

Anvi server