



	Sunday 17/2/2019	Monday 18/2/2019	Tuesday 19/2/2019	Wednesday 20/2/2019	Thursday 21/2/2019
08:30-10:30	Planning an environmental genomics experiment / Daniel	16S analysis / Maya	Metagenome analysis / Daniel	Host-associated microbiomes / Eyal	Integrating omics data / Maya
10:30-11:00	Coffee break				
11:00-13:00	Getting the data / Eyal	<i>Guest lecturer:</i> Plant microbiome- from ecology to application / Dror Minz, Volcani	<i>Guest lecturer:</i> What do microbes do in the ocean? Metagenomics to the rescue / Oded Beja, Technion	<i>Guest lecturer:</i> Bacteria play go-between in insect-host interactions / Einat Zchori Fein, Volcani	<i>Guest lecturer:</i> Yin and yang in the rhizosphere: interplay between root exudation and microbiome forces in the tomato underground world / Assaf Aharoni, Weizmann
13:00-14:00	Lunch (on your own)				
14:00-16:00	Tutorial: Intro to R - importing data and working with them / Mark	Tutorial: 16S sequences QC, analysis using Dada2 / Tal	Tutorial: Statistical analysis: cross correlations, variation partitioning, CCA / Tal	Tutorial: MEGAN, Enrichment / Ilia	Tutorial: Data presentation with ggplot / Mark
16:00-16:30	Coffee break				
16:30-18:30 Extra tutorials	Beer and one-minute presentations	Tutorial: Statistical analysis: NMDS / Tal	Tutorial: Metagenomic data processing (FASTQC), DIAMOND, load to MEGAN / Ilia	Tutorial: Assembly (IDBA), Binning (VIZBIN), Egnog mapper / Ilia	