

Workshop on Whole Genome Sequencing and Analysis for Microbial Diagnostics

TIME	Monday 17th of Sep. 2018	Tuesday 18th of Sep. 2018	Wednesday 19th of Sep. 2018	Thursday 20th of Sep. 2018
9:00-9:15		Welcome back and intro	Welcome back and intro	Welcome back and intro
9:15-9:30		<i>E. coli</i> diagnostics and the CGE databases	The Bacterial Analysis Pipeline and batch upload	For a limited number of participants (max. 8), we offer an extra day solely focused on analysing the participants' own Data. It is a prerequisite for signing up for this day that you have whole genome sequence data available.
9:30-9:45	Registration and breakfast		Exercise 5	
9:45-10:00			Computer work - batch upload, pipeline	
10:00-10:15	Welcome and presentation round		Exercise 2	
10:15-10:30	Sequencing techniques and raw data quality control	Computer work w. VTEC	Exercise 5 continued	
10:30-10:45		Coffee		
10:45-11:00		Exercise 2 continued		
11:00-11:15		Wrap-up of computer work	Wrap-up of computer work	
11:15-11:30	Coffee	Whole genome based phylogeny	Metagenomics	
11:30-11:45	Assembly and quality measures			
11:45-12:00				
12:00-12:15		Lunch	Lunch	Lunch
12:15-12:30				
12:30-12:45				
12:45-13:00				
13:00-13:15	Lunch	Introduction to Exercise 3	Exercise 6 Computerwork - MGMapper/PATRIC	Continue analysing participants' own data
13:15-13:30		Exercise 3 Computer work - phylogeny (NDtree and CSIPhylogeny)		
13:30-13:45				
13:45-14:00	Introduction to single-isolates, single CGE services	Coffee	Coffee	
14:00-14:15	Exercise 1			
14:15-14:30	Computer work w. single isolates, single CGE services	Exercise 3 continued	Wrap-up of computer work	
14:30-14:45	Coffee			
14:45-15:00		Wrap-up of computer work		
15:00-15:15		Exercise 1 continued (KmerFinder, MLST, ResFinder, PlasmidFinder)	Wrap-up of computer work	
15:15-15:30	Alternative tools for phylogeny		Evaluation and workshop ends	
15:30-15:45	Identification of unique core sequences			
15:45-16:00	Exercise 4 Computer work - RUCS			
16:00-16:15		Wrap-up of computer work		
16:15-16:30				
16:30-16:45	Wrap-up of computer work	Wrap-up of computer work		
16:45-17:00				