
		Integrated AMR: From Genomic Analysis to Clinical Applicaitons 15 - 20 September, KEMRI, Kilifi							
Time	Sunday, 15 September	Monday 16 September	Tuesday 17 September	Wednesday 18 September	Thursday 19 September	Friday 20 September	Time		
		Samples and sequencing	Sequencing, data, and QC	Detecting and analysing resistance	Genomic surveillance and phylogenetics	Capacity building and action planning			
		Transfer: 07:45	Transfer: 07:45	Transfer: 07:45	Transfer: 07:45	Transfer: 07:45			
08:30 - 08:45		Health and safety induction?	Day overview	Day overview	Day overview	Setting up lab workflows	08:30 - 09:00		
08:45 - 09:00		DNA Extraction	Nanopore	Computational Practical 5 Alignment & Variant Calling	Lecture - Introduction to genomic surveillance		Setting up informatics workflows	09:00 - 09:30	
09:00 - 09:15					Key metrics for reporting genomic surveillance results - Q&A - All			Setting up informatics workflows	09:30 - 10:00
09:15 - 09:30					Lecture - Introduction to phylogenetics				10:00 - 10:30
09:30 - 09:45									
09:45 - 10:00									
10:00 - 10:15									
10:15 - 10:30									
10:30 - 10:45		Break	Break	Break	Break	Break	10:30 - 11:00		
10:45 - 11:00									
11:00 - 11:15									
11:15 - 11:30				Lecture - acquisition of resistance	Computational Practical 9 Analysing phylogenetics	Data publication and presenting reproducible research	11:00 - 11:30		
11:30 - 11:45								11:30 - 12:00	
11:45 - 12:00									
12:00 - 12:15	Registration & Lunch			Computational Practical 6 Detecting resistance using command line	Computational Practical 10 Phylogenetics Visualisation	Knowledge translation workshop (KEMRI Nairobi person)	12:00 - 12:30		
12:15 - 12:30									12:30 - 13:00
12:30 - 12:45									
12:45 - 13:00									
13:00 - 13:15	Advanced Learning Skills (ALS)						13:00 - 13:30		
13:15 - 13:30		Lunch	Lunch	Lunch	Lunch	Lunch	13:30 - 14:00		
13:30 - 13:45									
13:45 - 14:00									
14:00 - 14:15	Lecture 1 - Application of genomics on the ACORN programme	Illumina Illumina talk during wait time (lecture room)	Computational Practical 2 Accessing Data & QC	Computational Practical 6 Detecting resistance using command line	Investigating Transmission of Clones & AMR Locally Using Genomics	Building the community and action planning	14:00 - 14:30		
14:15 - 14:30									14:30 - 15:00
14:30 - 14:45									
14:45 - 15:00									
15:00 - 15:15			Computational Practical 3 Assembly (Short Read)	Computational Practical 7 Online tools (ResFinder, PathogenWatch, CARD, Enterobase)	Computational Practical 11 Analysis of Resistance in Genomes	ALS & Wrap-up	15:00 - 15:30		
15:15 - 15:30									
15:30 - 15:45	Break					Bus to Hotel	15:30 - 16:00		
15:45 - 16:00									
16:00 - 16:15	Intro to outbreak?	Break	Break	Break	Break		16:00 - 16:30		
16:15 - 16:30									
16:30 - 16:45		NGS Technology and Applications	Computational Practical 1 Computing environment and setup	Computational Practical 4 Assembly (Long Read)	Computational Practical 8 Online tools (ResFinder, PathogenWatch, CARD, Enterobase)	Short task project (Interpretation and short presentation?)	Key	16:30 - 17:00	
16:45 - 17:00							Lectures	17:00 - 17:30	
17:00 - 17:15	Lab Practicals								
17:15 - 17:30	Computational Practicals						17:30 - 18:00		
17:30 - 17:45	Networking and Welcome Dinner	Day recap	Day recap		Course recap	Workshops or group projects	18:00 - 18:30		
17:45 - 18:00						Breaks			
18:00 - 18:15									
18:15 - 18:30									
18:30		Bus to Hotel	Bus to Hotel	Bus to Hotel	Bus to Hotel		18:30		
19:00							19:00		
	Sundav, 15 September	Mondav 16 September	Tuesdav 17 September	Wednesdav 18 September	Thursdav 19 September	Friday 20 September			