

Introduction Session: Monday, 23 <sup>rd</sup> of May at 15:00 CAT					
AMR Bioinformatics Workshop - Africa. 25th to 27th of April					
	Wednesday	Thursday	Friday		
	25/5/2022	26/5/2022	27/5/2022		
8:30	Genomic surveillance overview Joconiah Chirenda			8:30	
9:00	Intro to sequence data; QC of raw sequence data Contamination & species ID (lecture & practical 1) Annie Chan	AMR detection & surveillance (seminar) Rene Hendriksen	Phylogenetic analysis (SNP-based and cgMLST) (lecture & practical 5) Pimlapas Leekitcharoenphon	9:00	
9:30				9:30	
10:00					10:00
		Intro to bacterial subtyping approaches (lecture) Erikson Odih			
10:30				10:30	
	Break	Break	Break		
11:00	Lab based AMR typing using ASTs (Lecture) Sabelle Jallow	Bacterial subtyping approaches (practical 4) Erikson Odih	Phylogenetic analysis (SNP-based tree construction) (group project 2) Pimlapas Leekitcharoenphon	11:00	
11:30					11:30
12:00				12:00	
	Lunch Break				
12:30	De novo assembly vs. ref-based mapping (lecture & practical 2) - Arun Decano	Case studies: genomic surveillance in public health (TB) Lavania Joseph	Case studies: genomic surveillance in public health. Michelle Lowe	12:30	
13:00				13:00	
13:30				13:30	
14:00				14:00	
14:30		AMR typing (WGS data) (Lecture) Arun Decano	Transmission analysis (lecture & practical 6) Narender	14:30	
15:00	Break	Break	Break	15:00	
	Genome annotation (lecture & practical 3) Stan Kwenda	AMR typing using WGS data (group project 1) Arun, Stan, Narender			
15:30				15:30	
16:00				16:00	
16:30			Wrap up and network discussion	16:30	

The workshop is running in Central Africa Time (CAT), you can use a [timezone converter](#) to check the time in your city.