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	
Genomic surveillance overview Joconiah Chirenda			8:30
			9:00
Intro to sequence data; QC of	AMR detection & surveillance (seminar) Rene Hendriksen		9:30
raw sequence data Contamination & species ID (lecture & practical 1) Annie Chan	Intro to bacterial subtyping approaches (lecture) Erikson Odih	Phylogenetic analysis (SNP- based and cgMLST) (lecture & practical 5) Pimlapas Leekitcharoenphon	10:00
Break	Break	Break	10.00
	Destarial automics	Phylogenetic analysis (SNP-	11:00
Lab based AMR typing using ASTs (Lecture) Sabelle Jallow	approaches (practical 4) Erikson Odih	project 2) Pimlapas Leekitcharoenphon	11:30
12:00 Lunch Break			12:00
	Casa studios:		12:30
	genomic surveillance in public health (TB) Lavania Joseph	Case studies: genomic surveillance in public health. Michelle Lowe	13:00
			13:30
			14:00
De novo assembly vs. ref- based mapping (lecture & practical 2) - Arun Decano	AMR typing (WGS data) (Lecture) Arun Decano	Transmission analysis (lecture & practical 6) Narender	14:30
Break	Break	Break	15:00
			15:30
Genome annotation (lecture &	AMR typing using WGS data (group project 1) Arun, Stan,	Man up and paternal discussion	16:00 16:30
	AMR Bioinformation Wednesday 25/5/2022 Genomic surveillance overview Joconiah Chirenda  Intro to sequence data; QC of raw sequence data Contamination & species ID (lecture & practical 1) Annie Chan Break  Lab based AMR typing using ASTs (Lecture) Sabelle Jallow  De novo assembly vs. ref-based mapping (lecture & practical 2) - Arun Decano  Break	AMR Bioinformatics Workshop - Africa.  Wednesday 25/5/2022  Genomic surveillance overview Joconiah Chirenda  AMR detection & surveillance (seminar) Rene Hendriksen Intro to sequence data Contamination & species ID (lecture & practical 1) Annie Chan Break  Bacterial subtyping approaches (lecture) Erikson Odih Break  Bacterial subtyping approaches (practical 4) Erikson Odih  Lunch Break  Case studies: genomic surveillance in public health (TB) Lavania Joseph  De novo assembly vs. ref- based mapping (lecture & practical 2) - Arun Decano  Break  Break  AMR typing (WGS data) (Lecture) Arun Decano  Break  AMR typing using WGS data (group project 1) Arun, Stan,	AMR Bioinformatics Workshop - Africa. 25th to 27th of April  Wednesday 25/5/2022 26/5/2022 26/5/2022 27/5/2022  Genomic surveillance overview Joconiah Chirenda  AMR detection & surveillance (seminar) Rene Hendriksen Intro to bacterial Sutryping approaches (lecture & practical 1) Annie Chan Break  Break  Break  Break  Break  Break  Break  Break  Break  Case studies: genomic surveillance in public health (TB) Lavania Joseph  De novo assembly vs. ref- based mapping (lecture & practical 2) - Arun Decano  Break  Break  Break  Case studies: genomic surveillance in public health (TB) Lavania Joseph  Transmission analysis (lecture & practical 6) Narender  AMR typing using WGS data (group project 1) Prinlapas Transmission analysis (lecture & practical 6) Narender  AMR typing using WGS data (group project 1) Arun, Stan, Phylogenetic analysis (SNP- based tree construction) (group project 2) Primlapas Leekitcharoenphon  Case studies: genomic surveillance in public health (TB) Lavania Joseph  Transmission analysis (lecture & practical 6) Narender  Break  Break  Break  Break  Break  Break

The workshop is running in Central Africa Time (CAT), you can use a <u>timezone converter</u> to check the time in your city.