
		Molecular Approaches to Clinical Microbiology in Africa 31 August - 6 September 2024, Stellenbosch University, South Africa						 Stellenbosch UNIVERSITY IYUNIVESITHI UNIVERSITEIT							
		Saturday 31 August	Sunday 1 September	Monday 2 September	Tuesday 3 September	Wednesday 4 September	Thursday 5 September	Friday 6 September							
PRECOURSE ON LMS - Bioinformatics 1: Introduction to Linux Bioinformatics 1: R Programming for Biologists		At Hotel	Transfer: 07:45	Transfer: 07:45	Transfer: 07:45	Transfer: 07:45	Transfer: 07:45	Transfer: 07:45							
	08:30 - 08:45		Week overview and lab induction	GeneXpert (MTB-RIF, MTB-XDR) Lizma Streicher/Anzaan Dippenaar	Introduction to Phylogenetics Martin Maiden/ Keith Jolley	Intro to plasmids Angeziwa Chunga	Germes, genes, and genomes Martin Maiden/ Keith Jolley	R-Studio Leonard Ndwiga/ Odile Harrison	08:30 - 09:00						
	08:45 - 09:00								09:00 - 09:30						
	09:00 - 09:15	Registration	Germes to genes Martin Maiden			Plasmid Isolation and Digests Chisomo Msefula/ Angeziwa Chunga			Germes, genes, and genomes Martin Maiden/ Keith Jolley	R-Studio Leonard Ndwiga/ Odile Harrison	09:30 - 10:00				
	09:15 - 09:30														
	09:30 - 09:45	Welcome to the Course & Introductions (WCS, Training Team, Participants)													
	09:45 - 10:00														
	10:00 - 10:15														
	10:15 - 10:30														
	10:30 - 10:45		Break	Break	Break	Break	Break	Break	10:30 - 11:00						
	10:45 - 11:00														
	11:00 - 11:15	Course Overview Maiden	Seminar (virtual) Sam	Deeplex Myc-TB PCR bead clean-up Lizma Streicher/ Anzaan Dippenaar	Genes to genomes Martin Maiden	Gel electrophoresis Chisomo Msefula/ Angeziwa Chunga	Outbreak Seminar - Cholera Chisomo Msefula	R-Studio Leonard Ndwiga/ Odile Harrison	11:00 - 11:30						
	11:15 - 11:30												11:30 - 12:00		
	11:30 - 11:45	Advanced Learning Skills (ALS) WCS Team	AMR in South Africa Andrew Whitelaw			TB Seminar Lizma Streicher	Interpretation of results Chisomo Msefula	Biobanking Tour and Seminar Robert Onsare	Group discussion and Q&A	12:00 - 12:30					
	11:45 - 12:00														12:30 - 13:00
	12:00 - 12:15														
	12:15 - 12:30														
	12:30 - 12:45														
	12:45 - 13:00														
	13:00 - 13:15														
	13:15 - 13:30	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	13:00 - 13:30						
	13:30 - 13:45														
	13:45 - 14:00														
	14:00 - 14:15	Sample Management Robert Onsare	Bioinformatics Practical 1: Linux and BLST Keith Jolley	Deeplex + Sequencing Demo treicher/Anzaan Dippenaar (Felicia Wells/ Jennifer Williams)	Bioinformatics Practical 3: Sequence typing with PubMLST Keith Jolley	Serogrouping and RT-PCR Data Analysis and Interpretation Odile Harrison/ Dam Khan	R-Studio Leonard Ndwiga/ Odile Harrison	Action Planning and Wrap Up WCS Team	14:00 - 14:30						
	14:15 - 14:30													14:30 - 15:00	
	14:30 - 14:45	Introduction to Genomic Technologies Anzaan Dippenaar							15:00 - 15:30						
	14:45 - 15:00														
	15:00 - 15:15														
	15:15 - 15:30														
	15:30 - 15:45	Talk 3 - South African speaker	Break	Break	Break	Break	Break		15:30 - 16:00						
	15:45 - 16:00														
	16:00 - 16:15	Break	PCR Diagnostics Dam Khan	TB Nanopore set up (WGS) Lizma Streicher/ Anzaan Dippenaar	R-Studio Leonard Ndwiga	Serogrouping and RT-PCR Data Analysis and Interpretation Odile Harrison/ Dam Khan	TB Nanopore Data Analysis; Deeplex and Xpert comparison Lizma Streicher/ Anzaan Dippenaar	Key	16:00 - 16:30						
	16:15 - 16:30													16:30 - 17:00	
	16:30 - 16:45														
	16:45 - 17:00	Pipetting Masterclass Whitehead Scientific	RT-PCR Interpretation Dam Khan						17:00 - 17:30						
	17:00 - 17:15														
	17:15 - 17:30	Networking Drinks & Dinner	Transport to Hotel	Transport to Hotel	Transport to Hotel	Transport to Hotel	Transport to Hotel	Lunch/Breaks	17:30 - 18:00						
	17:30 - 17:45														
	17:45 - 18:00														
	18:00 - 18:15														
	18:15 - 18:30														
	18:30								18:30						
	19:00								19:00						
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