



Pathogen Bioinformatics Course

London School of Hygiene & Tropical Medicine

27th – 28th March 2017

University of Cape Town

Health Teaching Computer Labs 2,
Anatomy Building: Basement/Level 1, Faculty of Health Sciences
University of Cape Town, Anzio Road, Observatory 7925, Cape Town, South Africa

Monday 27 th March 2017		
08.00	Welcoming	
08.00 – 10.00	Introduction Technologies, data, and visualisation	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM
10.00 - 10.30	Coffee break	
10.30 – 12.30	Quality control, sequence mapping or alignment	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM
12.30 - 13.00	Lunch	
13.00 – 15.00	Mapping and variant detection	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM

Tuesday 28 th March 2017		
08.00	Welcoming	
08.00 – 10.00	Variant detection and assembly of genomes	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM
10.00 – 10.30	Coffee break	
10.30 – 12.30	Assembly of genomes continues	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM
12.30 – 13.00	Lunch	
13.00 – 15.00	Transcriptomics: RNA-sequencing and Differential expression	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM
15.00 - 15.30	Coffee break	
15.30 - 17.00	Transcriptomics continue: Wrap-up session	Prof Taane Clark, LSHTM Mr Jody Phelan, LSHTM
Workshop closure		

