

Viral Genomics and Bioinformatics, 16 - 20 June 2025, University of Glasgow, Garscube Campus							
	Monday	Tuesday	Wednesday	Thursday		Friday	
	16/06/2025	17/06/2025	18/06/2025	19/06/2025		20/06/2025	
09:00	Registration (09:00-09:30) Tea & Coffee in the Barn						
09:30	Welcome	Read cleaning & QC	Bash - Advanced Linux Conditions & Loops	De novo assembly		K-mer based metagenomics	Gene ontology in R Pathway analysis in R
	Viral bioinformatics						
10:00	David Robertson 09:45-10:15						
	Participants introduction						
10:30	10:15-11:00 2min talk by each participant	Richard Orton 09:30-11:00	Joseph Hughes 09:30-11:00	Sreenu Vattipally 09:30-11:00		Richard Orton 09:30-11:00	Quan Gu 09:30-11:00
11:00	Break 11:00-11:30	Break 11:00-11:30	Break 11:00-11:30	Break 11:00-11:30		Break 11:00-11:30	
11:30	Login, Setup & Basic Linux	Reference alignment & Statistics	Script Practice Session	De novo assembly quality assessment		Build a pipeline: Ref alignment, metagenomics or transcriptomics	
12:00							
12:30							
13:00	Lunch 13:00-14:00	Lunch 13:00-14:00	Lunch 13:00-14:00	Lunch 13:00-14:00		Lunch 13:00-14:00	
13:30							
14:00	Login, Setup & Basic Linux Sreenu Vattipally	Consensus & Variant Calling	Introduction to MSA and Phylogenetics	Introduction to plotting in R		Build a pipeline continued	
14:30	14:00-14:45						
	NGS FASTQ data						
15:00	Derek Wright 14:45-15:30	Richard Orton 14:00-15:30	David Robertson 14:00-15:30	Joseph Hughes 14:00-15:30		What next on your bioinformatic journey? 15:00-15:30	
15:30	Break 15:30-16:00	Break 15:30-16:00	Break 15:30-16:00	Break 15:30-16:00		Tea & Coffee & Goodbyes 15:30-16:00	
16:00	NGS technologies Katherine Smollet (16:00-16:30)	Bash - File editing & Text processing	MSA and Tree building practical	Metagenomics virus discovery	Alignment for transcriptomics Differential expression analysis in R		
16:30	Sequencing facility tour Katherine Smollet (16:30-17:00)						
17:00	Bioinformatics Hub Scottish Drinks & Snacks	Joseph Hughes 16:00-17:30	David Robertson 16:00-17:30	Sreenu Vattipally 16:00-17:30	Quan Gu 16:00-17:30		
17:30		Social event Course dinner - Ka Pao		Social event CVR hot buffet			
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