

Course Timetable- Room VET109

Day	Time	Details
Monday 30th July	09:00 – 12:00	Prof Mark Crowe, UCD Welcome (Tea/Coffee at 9am) Prof Chris Elsik, University of Missouri Introduction, initial setup (please bring your own laptop) LINUX/UNIX
	13:30 – 16:30	Prof Chris Elsik, University of Missouri Genome structure
Tuesday 31st July	09:00 – 12:00	Prof Chris Elsik, University of Missouri High throughput sequencing/genome assembly/annotation
	13:30 – 16:30	Prof Chris Elsik, University of Missouri Genomic variant identification: Theory and practice
Wednesday 1st August	09:00 – 12:00	Prof Chris Elsik, University of Missouri Genomic variant identification (contd.)
	13:30 – 16:30	Prof Chris Elsik, University of Missouri RNA-seq: Theory and practice
Thursday 2nd August	09:00 – 12:00	Prof Chris Elsik, University of Missouri RNA-seq (contd.)
	12:30 – 16:30	Prof Chris Elsik, University of Missouri Genome Browsers and Databases
Friday 3rd August	09:00 – 12:00	Prof Denis Shields, UCD GWAS; haplotype reconstruction and imputation?
	12:30 – 16:30	Prof Chris Elsik, University of Missouri Databases (contd.)
Monday 6th August		HOLIDAY
		HOLIDAY
Tuesday 7th August	09:00 – 12:00	Dr Miel Hostens, University of Ghent Use of R, clean up data, multidimensional analyses
	13:30 – 16:30	Dr Miel Hostens, University of Ghent Machine learning; cluster analyses in Scala language
Wednesday 8th August	09:00 – 12:00	Prof. Gavin Conant, NCSU Homology and blast exercises
	13:30 – 16:30	Prof. Gavin Conant, NCSU Population genetics/drift/selection; Perl exercise:
Thursday 9th August	09:00 – 12:00	Prof. Gavin Conant, NCSU Population genetics/drift/selection; Perl exercise contd.
	13:30 – 16:30	Prof. Gavin Conant, NCSU Alignment, phylogenetics exercise
Friday 10th August	09:00 – 12:00	Prof. Gavin Conant, NCSU Alignment, phylogenetics exercise contd.
	13:30 – 16:30	Prof. Gavin Conant, NCSU Network biology, metabolic modelling and metagenomics—Theory & Cytoscape
Monday 13th August	09:00 – 12:00	Assessment

