

Oomycete Bioinformatics Training Workshop

Virginia Tech, Graduate Life Center

June 24-26, 2013

Time	
Monday June 24	
	Breakfast (on your own, coffee/biscotti in the hotel, Starbucks across the street, Bollos, Gillies or the London Underground for something more substantial)
9:00 am	Introduction – all presentations in GLC Room G, Room C is available for breakout sessions
9:15 am	Gene and Genome sequencing
10:00 am	Break
10:30 am	Gene predictions: structural, discovery, functional
12:00 am	Lunch – provided on-site
1:15 pm	Intro to FungiDB
2:00 pm	FungiDB Exercise I: Finding genes and exploring gene pages
3:00 pm	Break
3:30 pm	FungiDB Exercise I: Finding genes and exploring gene pages (continued) –
4:15 pm	FungiDB Exercise III: RNAseq data analysis (Part 1 of 2)
5:00 pm	Discussion
Tuesday June 25	
9:00 am	FungiDB Exercise II: Using the genome browser
10:00 am	Break
10:30 am	FungiDB Exercise IV: Population (SNPs) data
11:30 am	FungiDB Exercise V: Metabolic pathways and compounds
12:15 pm	Lunch
1:30 pm	FungiDB Exercise VI: Protein motifs and domains
2:30 pm	FungiDB Exercise VII: DNA Motifs
3:30 pm	Break
4:00 pm	FungiDB Exercise VIII: Isolate data
5:00 pm	Discussion
Wednesday June 26	

9:00 am	FungiDB Exercise IX: Orthology and phylogenetic profiles
10:00 am	Break
10:30 am	FungiDB Exercise X: Data retrieval and download
11:00 am	FungiDB Exercise XI: RNAseq data analysis (Part 2 of 2)
12:00 pm	Lunch
1:00 pm	FungiDB Exercise XIII: Exploring transcriptomic data
3:00 pm	Break
3:30 pm	FungiDB Exercise XIV: Complex strategy using genomic colocation
5:00 pm	Discussion and Adjourn