

Fungal Pathogen Genomics 2 – 6 June 2025 course timetable

Monday, 2nd of June

Time (BST)	Content
13:00 – 13:30	Meet & greet
13:30 – 15:45	1. Database queries FungiDB site search - p. 6 Ensembl Fungi Molecular Interactions - p. 9 SGD Search Strategies – p. 23
15:45 – 16:00	Break
16:00 – 18:00	2. Transcriptomics & Proteomics Ensembl Fungi Track Hubs – p. 32 SGD Expression tools - SPELL – p. 46 FungiDB Transcriptomic & Proteomic analysis – p. 40
18:00 – 18:30	Q & A session

Tuesday, 3rd of June

Time (BST)	Content
13:00 – 13:30	Q & A session
13:30 – 15:45	3. Enrichment analysis SGD GO Slim mapper – p. 50 CGD GO Term finder – p. 53 FungiDB GO enrichment – p. 58
15:45 – 16:00	Break
16:00 – 17:00	Research Seminar: Prof Jason Stajich
17:00 – 18:00	4. SNPs & Variants SGD Variant viewer – p. 68 FungiDB SNP analysis & CNVs – p. 72 Exploring variants in Ensembl Fungi – p. 90 VEP – p. 96
18:00 – 18:30	Q & A session

Wednesday, 4th of June

Time (BST)	Content
13:00 – 13:30	Q & A session
13:30 – 15:45	5. Comparative Genomics & Orthology and Evolutionary analysis & cross-species inference Ensembl Fungi – WGA – p. 105 MycoCosm CAZy enzymes– p. 114 MycoCosm Synteny– p. 123 SGD predicting fungal biology– p. 128 Ensembl Fungi Evolutionary analysis (gene trees) – p. 136 FungiDB &OrthoMCL: Orthology and Phyletic Patterns – p. 152
15:45 – 16:00	Break
16:00 – 17:55	6. Functional analysis: Pathways & metabolites MycoCosm KEGG Browser & Secondary metabolism clusters – p. 158 FungiDB pathways & metabolites – p. 163
17:55 – 18:00	Introduction to Group Projects
18:00 – 18:30	Q & A session

Thursday 5th of June

Time (BST)	Content
13:00 – 13:30	Q & A session
13:30 – 15:45	7. My Data sets My workspace in FungiDB – p. 166 Exploring gene models – p. 180
15:45 – 16:00	Break
16:00 – 18:00	8. Group Projects
18:00 – 18:30	Q & A session

Friday, 6th of June

Time (BST)	Content
13:00 – 13:30	Q & A session
13:30 – 15:45	Group Projects
15:45 – 16:00	Break
16:00 – 18:00	Group Project Presentations
18:00– 18:30	Closing remarks