

Computational Genomics Spring 2007
T/Th 10 - 11:30

Week	Dates	Lecture	Reading
1	March 20 March 22	Genome projects Workshop: organism databases, NCBI	Demo: accessing databases Chapter 1 Discovery questions 1-12
2	March 27 March 29	Reports; Alignment basics Alignments. Workshop: dot plots, BLAST	Demo: BLAST Pages 40-41
3	April 3 April 5	Reports; Scoring Matrices, statistics Workshop: other BLAST tools, PSI-BLAST	Pages 46-48
4	April 10 April 12	Multiple alignments Workshop: Multiple Alignments	Demo: CLUSTALW
5	April 17 April 19	presentations on multiple alignments Gene finding	Demo: EST assembly
6	April 24 April 26	Comparative genomics Comparative genomics or open	Workshop: comparative genomics
7	May 1 May 3	open—possibly predicting regulatory regions Presentations	