

Workshop Outline

Time	Event
845 – 900	Registration and Walk in Payment Welcome to participants from AMBIS President Quek Hui Nar Setting up your laptops
900 – 1030	Session I : Surviving in R Objectives i) Getting Help in R ii) Importing and Exporting Data iii) Manipulating your data iv) Presenting your Data (Graphics)
1030-1045	Tea Break
1045-1215	Session II : Bioconductor-ing Objectives i) Bioconductor packages ii) Familiarising with Expression data class iii) Data Annotation iv) Databases available, GO, biomaRt, Genome Biology 2004, 5:R80, “Bioconductor: open software development for computational biology and bioinformatics ”
1215-1315	Lunch
1315-1500	Session III : Real World Dataset (Chang Breast Cancer Paper) Objectives i) Preprocessing ii) Heatmaps and Clustering iii) PCA analysis iv) Differential Gene Expression Analysis v) ROC curves Lancet 2003; 362:362-369, “Gene Expression profiling for the prediction of therapeutic response to docetaxel in patients with breast cancer
1500-1515	Break
1515-1700	Session IV : Real World Dataset (CNV/SNP analysis) Objectives i) Finding Breakpoints ii) Simple SNP studies Journal - TBA
1700-1730	Discussion
1730	End

