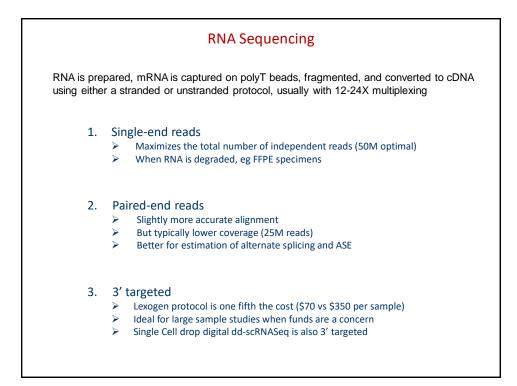
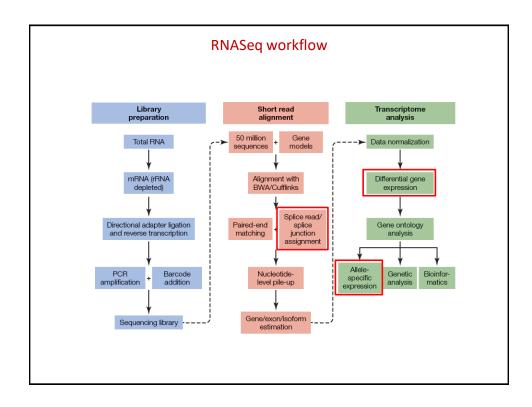


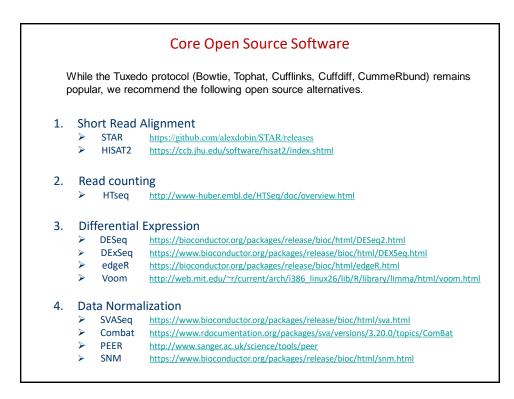
Course Outline					
1.	Experimental Design and Hypothesis Testing (GG)				
2.	Bulk Normalization (GG)				
3.	Single Cell RNAseq Basics (GG)				
4.	Single Cell Workflow (JP)				
5.	Single Cell Clustering (JP)				
6.	Single Cell Trajectory Analysis (JP)				
7.	Multiplexing; Tutorial / Discussion Session (JP)				
8.	Integrative Genomics (GG)				
9.	Heritability of Gene Expression (JP)				
10.	eQTL analysis (GG)				

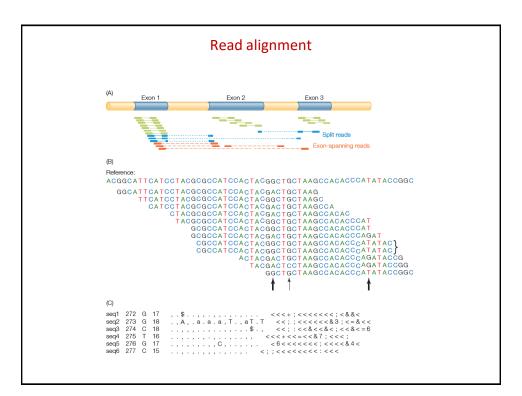
Steps in a Gene Expression Profiling Study

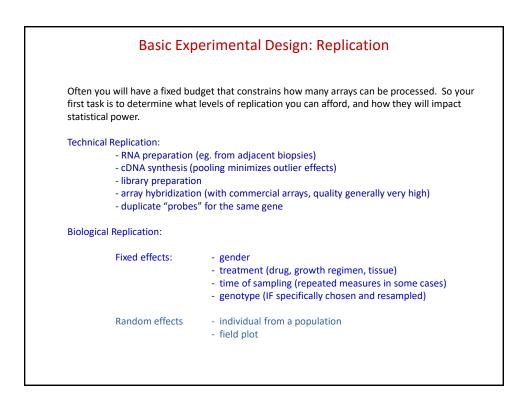
- 1. Experimental Design (this morning)
- 2. RNA Sequencing (next)
- 3. Short read alignment
- 4. Normalization (after the break)
- 5. Hypothesis testing (this morning)
- 6. Downstream analyses (module 10)
- 7. Genetic analysis (Friday afternoon)

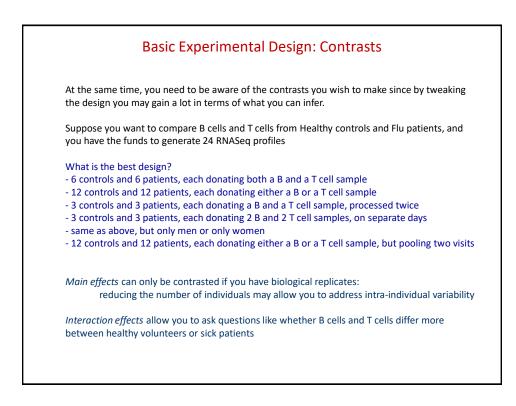


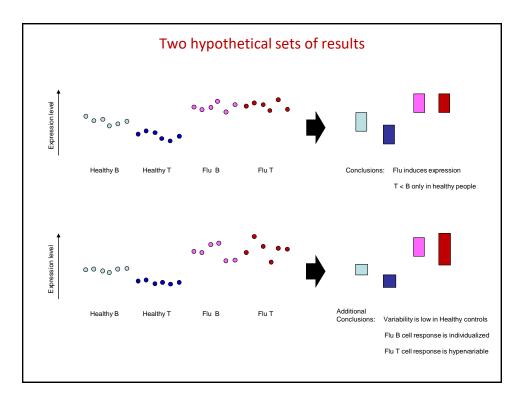


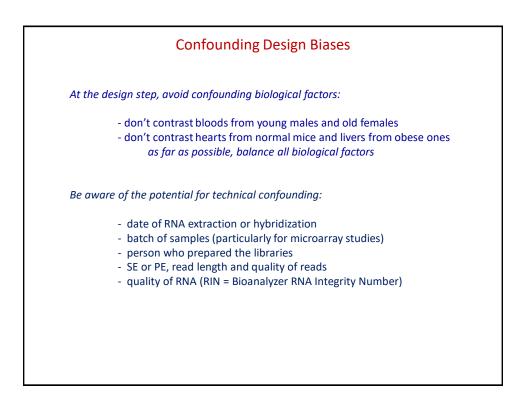


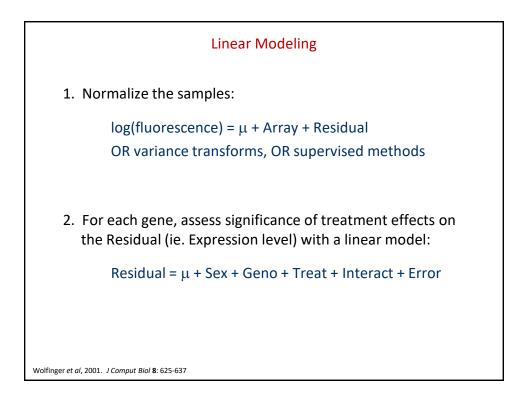


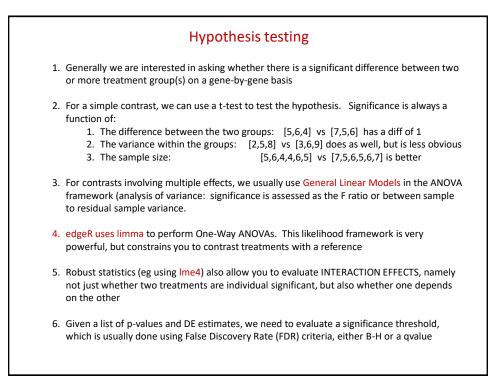


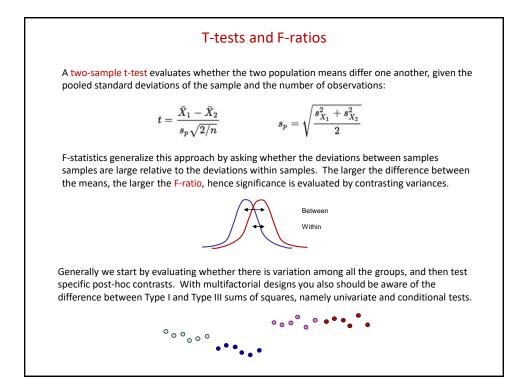


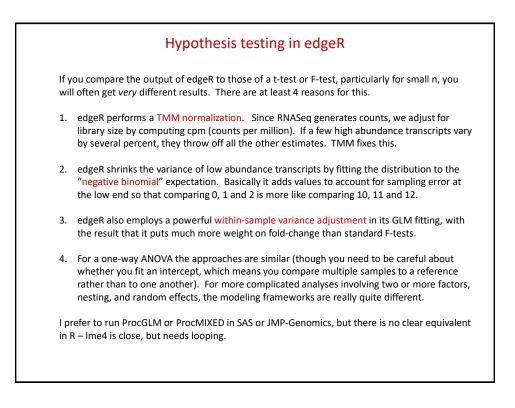












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