RNA-Seq: what is the state of the art?

This hands-on workshop provides an introduction to designing and analysing RNA-Seq experiments. The workshop will cover key aspects of RNA-Seq experimental design, differential gene expression analysis, analysis of RNA-Seq time-series data, and leveraging RNA-seq for genome annotation. You will learn a variety of possible workflows for analysing RNA-Seq data, plus solutions to some frequently encountered problems when using RNA-Seq technology:

•    How many biological replicates, and what level of sequencing depth, do I need for meaningful (i.e. statistically powerful) results?

•    What is the difference between available analysis tools, and what will my results look like in each case?

•    What graphics are available to best illustrate my results?

•    What to do when it all just doesn't work?

And, ultimately:

•    I have my differentially expressed genes - WHAT'S NEXT?

This workshop is aimed at those new to or with limited experience in RNA-Seq and bioinformatics analysis.

Additional info here might include – when/where you expect to run the workshop, how long it will be, your contact for enquiries, sponsors, when more info will be available.