Otago Genomics & Bioinformatics Facility

OGBF Bioinformatics Workshop
RNA-Seq: what is 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?

⇒ Registration essential: genomics@otago.ac.nz

⇒ Laptops are required

Hercus D'Ath Lecture Theatre

Wednesday

15th November 2017

10.00am - 5.00pm

www.otago.ac.nz/genomics