

Calling all BIOLOGY & HUMAN BIOLOGY TEACHERS!

Bioinformatics 101

TEACHER WORKSHOP

Bioinformatics is a field where computer science and biology work hand in hand to collect, analyze and store the huge amount of data that has been produced since the Human Genome Project.

Come and up skill with
Perkins Bioinformatician
Kirsty Richardson

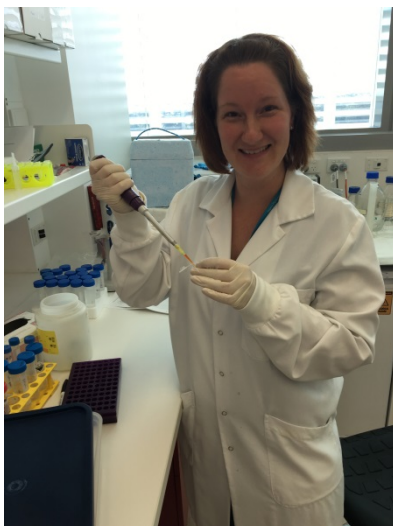
AVAILABLE FOR STUDENTS IN 2017!

DATE : TUESDAY 6th DECEMBER
2016

TIME : 9.30am - 3.30pm

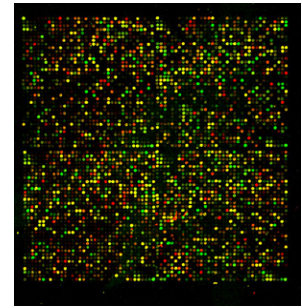
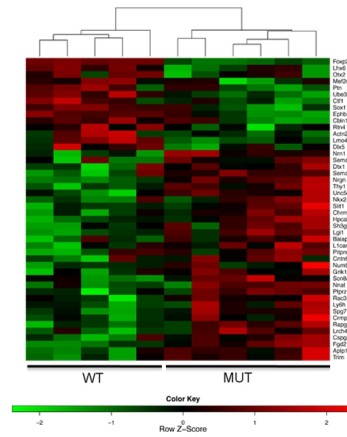
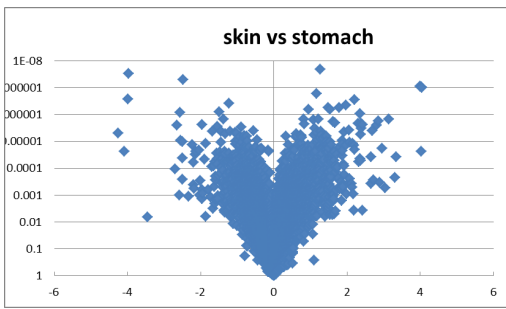
COST : \$80 GST inc (includes
morning tea/lunch).

VENUE : HARRY PERKINS
INSTITUTE OF MEDICAL
RESEARCH
6 Verdun Street,
NEDLANDS



REGISTER NOW!

EMAIL : education@perkins.uwa.edu.au



WORKSHOP OUTCOMES:

- understand how gene sequencing, measurement of gene expression and bioinformatic analysis as is used commonly in medical research
- understand why and how gene expression is measured using a microarray
- understand and use on-line bioinformatics tools
- gain confidence in teaching this aspect of syllabus content

WORKSHOP PROGRAM:

Kirsty Richardson will lead you through technique of microarray used to analyse the expression of genes in human tissues. This will be followed by analysis using bioinformatics to interpret the data.

***Teachers are required to bring their own LAPTOP (PC or mac) with a recent version of EXCEL for use during the workshop.**

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|-------|---|
| 9.15 | Registration & Coffee |
| 9.30 | Welcome /House keeping - Pauline Charman |
| 9.40 | Introduction to Bioinformatics - online tools |
| 10.30 | Morning Tea |
| 10.45 | Session 1 - Microarray |
| 12.15 | Lunch |
| 12.45 | Session 2 - Analysis |
| 2.30 | Tour of Laboratories /Q & A |
| 3.15 | 2017 Student opportunities |
| 3.30 | Finish |