



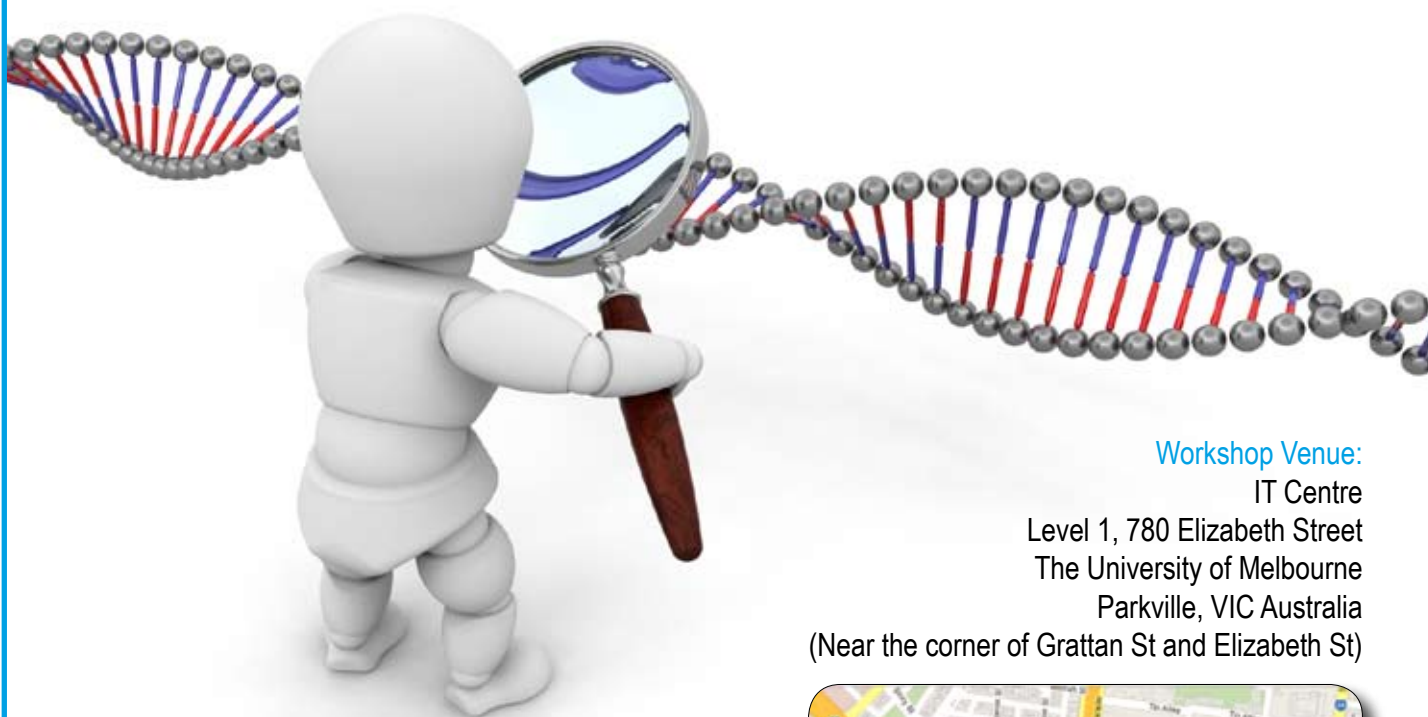
# GeneSpring GX 12

## Multi-Omics Data Analysis Workshop

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Attend the 3-Day **GeneSpring GX 12 Workshop** and get:

- ✓ Hands-on experience using real data
- ✓ Analysis and experimental design tips
- ✓ Practical applications of statistics
- ✓ Training by experienced technical support scientists
- ✓ Networking opportunities with other course participants



### Workshop Venue:

IT Centre  
Level 1, 780 Elizabeth Street  
The University of Melbourne  
Parkville, VIC Australia

(Near the corner of Grattan St and Elizabeth St)

### 3-Day Workshop Dates:

Date: Wednesday, 7th March 2012

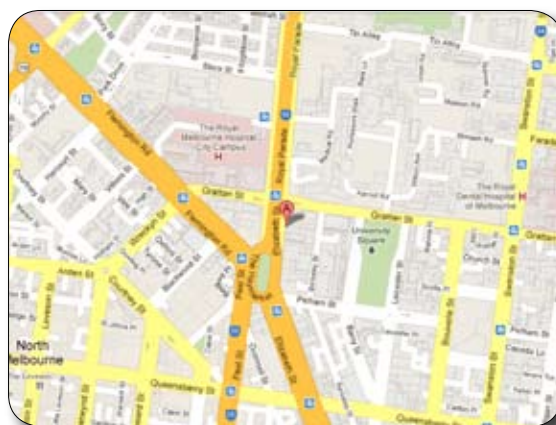
Time: 9.00am – 5.00pm

Date: Thursday, 8th March 2012

Time: 9.00am – 5.00pm

Date: Friday, 9th March 2012

Time: 9.00am – 5.00pm



### GeneSpring GX 12 Workshop

Comprising of lectures followed by self-paced hands-on data analysis exercises, the 3 day GeneSpring GX12 training course will be delivered by an experienced trainer from overseas in an interactive classroom setting. The target audience has basic to intermediate experience with handling Microarrays and basic to intermediate experience with GeneSpring GX12. Participants may have only a shallow knowledge of statistics. By attending this workshop, participants will receive lectures, training materials and analysis tips from experienced technical support scientists. They will gain experience through hands-on analysis of real data, learning principles that can be applied to the analysis of data from the Affymetrix, Illumina and Agilent microarray platforms. The workshop will begin with the basics and will conclude with the application of advanced microarray data analysis functions of GeneSpring GX 12; again, hands-on. Participants will come away able to analyse microarray data to reveal data quality, significant genes and significant pathways, in addition to gaining a basic understanding of experimental design and the statistical principles used to produce significant genes and pathways. The workshop will focus on Gene Expression Analysis.

The class size is small and demand is high, so please register promptly for a seat.

#### Wednesday, 7th March 2012

8.30am - 9.00am	Registration
9.00am - 9.30am	Lecture 1 – Introduction and Applications for Microarray Technology (Agilent/PLP) Presented by Michael Janis - GeneSpring Product Manager
9.30am - 10.30am	Lecture 2 – Introduction to GeneSpring GX 12
10.30am - 10.45am	Tea/Coffee Break (provided)
10.45am - 11.45am	Lecture 3 – Training Level 1 – GeneSpring GX 12 Familiarisation
11.45am - 12.30pm	Hands-on – GeneSpring GX 12 Familiarisation (self-paced)
12.30pm - 2.00pm	Lunch (provided)
2.00pm - 2.30pm	Hands-on – GeneSpring GX 12 Familiarisation (self-paced), continued
2.30pm - 3.15pm	Lecture 4 – Experimental Design: Tips and Pitfalls (Agilent/PLP)
3.15pm - 3.30pm	Tea/Coffee Break (provided)
3.30pm - 4.00pm	Lecture 5 – Statistics and Fold Change in GeneSpring GX 12
4.00pm - 5.00pm	Hands-on – Statistics and Fold Change Analysis

## Thursday, 8th March 2012

9.00am - 10.00am	Lecture 6 – Clustering Analysis
10.00am - 10.45am	Lecture 7 – Contextualizing: GO, GSEA
10.45am - 11.00am	Hands-on – Clustering, GO and GSEA
11.00am - 12.30pm	Tea/Coffee Break (provided)
12.30pm - 1.30pm	Lecture 8 – Agilent and Affymetrix Exon Splicing Analysis
1.30pm - 2.30pm	Lunch (provided)
2.30pm - 2.45pm	Lecture 9 – RT-PCR Analysis
2.45pm - 4.15pm	Lecture 10 – Custom Technology, Annotations and Miscellaneous features
4.15pm - 5.00pm	Tea/Coffee Break (provided)
2.45pm - 4.15pm	Hands-on – Creating custom technology creation and updating annotations

## Friday, 9th March 2012

9.00am - 10.45am	Lecture 11 – Introduction to NGA whole genome workflow and Agilent Sure select
10.45am - 11.00am	Tea/Coffee Break (provided)
11.00am - 12.30pm	Lecture 11 – Introduction to NGA whole genome workflow and Agilent Sure select (Continuation)
12.30pm - 1.30pm	Lunch Break (provided)
1.30pm - 2.00pm	Lecture 12 – Integration of miRNA Expression and Gene Expression
2.00pm - 2.30pm	Hands-on – miRNA workflow

# Registration Form

**To register:** Simply type in your details below and email the completed registration to:  
[marketing@pacificlab.com.au](mailto:marketing@pacificlab.com.au)

Please register me to attend the GeneSpring GX 12 Workshop on the 7th to 9th of March 2012

Title.....First Name.....Last Name.....  
 Position.....  
 Organisation / Institute.....  
 Department / Division.....  
 Address.....  
 Suburb/Town.....State.....Post Code.....  
 Country.....  
 Phone.....Fax.....  
 Email.....

**Workshop Fee: AU\$1,430\* per person**

Payment Options (please select one):

Credit Card       Visa        Mastercard 

Card Number: .....

Expiry Date: ..... Security Code: .....

EFT

Once the workshop is confirmed to run, participants wanting to pay via EFT will be notified of the Banking details.

Upon EFT payment, please fax or email your payment confirmation to:  
 Fax: +61 3 9560 2901 – Attention Cate Sharp, or  
 Email: cate.sharp@agilented.com

\*Inclusive of GST  
 Australian Customers to pay the GST inclusive price of AU\$1,430 per person.  
 Customers outside of Australia to pay the GST exclusive price of AU\$1,300 per person.

**Cancellation Policy:**

Course registrations will close at 5.00pm AEDT on the 29th February 2012.  
 Agilent reserves the right to cancel the course prior to and including the 29th February 2012 if minimum enrolment is not met. Please take note of this when booking your flights and accommodation.  
 Cancellations received after the 29th February 2012 will incur a charge of AU\$20 inclusive of GST for Australian customers, or AU\$18.18 exclusive of GST for customers outside of Australia.



Learn more at: [www.genespring.com](http://www.genespring.com)  
 Free Call: 1800 723 405  
 ABN: 18 845 578 729