

SYSTEMS BIOLOGY SEMINAR SERIES WINTER 2011 – Parkville Event SEMINAR & FREE WORKSHOP



Thomson Reuters IP & Science is proud to support this Australian series of seminars & workshops for Omics & Systems Biology. The first Winter 2011 event is in Parkville, Melbourne, hosted by WEHI.

EVENT PROGRAMME

10am Introduction

“The human variome project – progress and plans”

- Richard (Dick) Cotton, *Professor*,
Human Variome Project, Howard Florey Institute

“BioGrid - supporting the capture and utility of clinical data”

- Peter Gibbs, *A/Prof*, Royal Melb Hospital

“Deciphering the genetic programme of lymphocytes using Next Gen Sequencing”

- Steve Nutt, *PhD*, WEHI

“Power to the short: adjusting for length bias in RNAseq and systems biology”

- Matthew Wakefield, *PhD*, WEHI

“From 'omics data to target identification... in minutes”

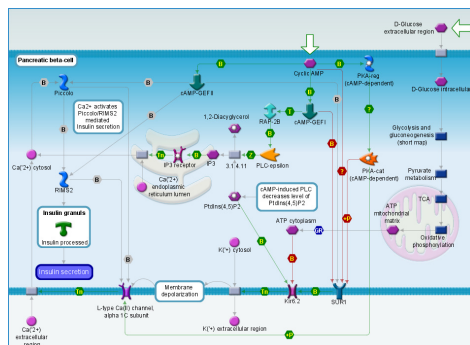
- Michaela White, *MSc*, Thomson Reuters

12md Close & Refreshments

LEARN ABOUT PATHWAY ANALYSIS – BIOINFORMATICS SOFTWARE FOR SYSTEMS BIOLOGY & DRUG DISCOVERY

2pm & 3:30pm – “Basic Pathway Analysis Training”

- Bring your own laptop with wireless connectivity
- Scope for analysing your own data – *some pre-work required*



Come explore a unique bioinformatics technology for systems biology that enables complete reconstruction of cellular functionality from interactions data at the level of ligand-receptor interactions, cell signaling & regulation and core metabolism, across human, mammalian *and other eukaryote* models.

HOSTED BY:

The Walter and Eliza Hall Institute of Medical Research
www.wehi.edu.au

ALL WELCOME

DATE: WED JULY 27, 2011

SEMINAR: (10am-12md)
Charles La Trobe Theatre
Function & Convention Centre
Royal Melbourne Hospital
Main Entrance
Grattan St, Parkville

WORKSHOPS: (2pm & 3:30pm)
Graduate House
220 Leicester St (nr Grattan St)
University Square, Carlton
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REGISTRATION & SERIES DETAILS

science.thomsonreuters.com.au/events

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Walter+Eliza Hall
Institute of Medical Research



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SYSTEMS BIOLOGY SEMINAR SERIES WINTER 2011 SEMINARS & FREE WORKSHOPS



Thomson Reuters IP & Science is proud to support this Australian series of scientific seminars & workshops for Omics & Systems Biology, with three events in Winter 2011, across Melbourne. **All welcome to attend.**

SEMINARS – GUEST SPEAKERS

Parkville – Wednesday 27th July

- “Progress and plans for the Human Variome Project”
- **Prof Dick Cotton, Florey Inst**
- “BioGrid - supporting the capture and utility of clinical data”
- **A/Prof Peter Gibbs, RMH**
- “Deciphering the genetic programme of lymphocytes using Next Gen Sequencing”
- **Steve Nutt, WEHI**
- “Power to the short: adjusting for length bias in RNAseq & systems biology”
- **Matthew Wakefield, WEHI**

Clayton – Thursday 4th August

- “Critical signaling pathways in transcriptional networks”
- **Prof Paul Hertzog, MIMR**
- “Exploiting the systems biology of human pluripotent stem cells”
- **Andrew Laslett, CSIRO**
- “Analysis of transcriptional & post-transcriptional regulatory elements to predict gene function”
- **Michael Gantier, MIMR**
- “Novel regulators of the myoblast fusion process in vertebrates”
- **Manuel Pelé, ARMI**

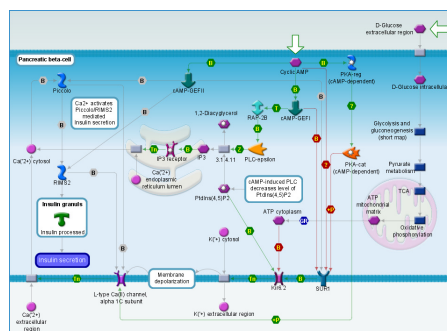
Bundoora – Friday 5th August

- “New generation DNA sequencing”
- **Stephen Doyle, La Trobe Uni**
- “Aspects of how to get real results from quantitative proteomics in a non-perfect world”
- **Gert Talbo, La Trobe Uni**
- “Bioinformatics pipeline for label-free quantitative proteomics at La Trobe University”
- **Ira Cooke, Biomarkers CRC**

Each seminar features the case study “From ‘omics data to target identification in minutes”, created using Thomson Reuters *MetaCore* & *Integrity* platforms.

LEARN ABOUT PATHWAY ANALYSIS – BIOINFORMATICS SOFTWARE FOR SYSTEMS BIOLOGY & DRUG DISCOVERY

Each event also features a 1hr workshop “Basic Pathway Analysis Training”, with scope for analysing your own data (*some pre-work required*).



Come explore a unique bioinformatics technology for systems biology that enables complete reconstruction of cellular functionality from interactions data at the level of ligand-receptor interactions, cell signaling & regulation and core metabolism, across human, mammalian *and other eukaryote* models.

PARKVILLE – WED JULY 27

HOST: Walter and Eliza Hall
Institute of Medical Research
wehi.edu.au

CLAYTON – THUR AUG 4

HOST: Monash University
med.monash.edu.au

BUNDOORA – FRI AUG 5

HOST: La Trobe Institute for
Molecular Science
latrobe.edu.au/lims

GENERAL SCHEDULE

10am-12md	Seminar
2pm-3pm	Workshop 1
3:30-4:30pm	Workshop 2

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