

# Centenary Colloquium III

## *"Opportunities in Systems Biology"*



CENTENARY  
INSTITUTE

Monday 19 November 2007 - 8.30am - 2.00pm

Centenary Institute Lecture Theatre,  
Building 93, Missenden Road, Camperdown NSW 2050

**THEME** - *Systems biology acknowledges the complexity and inter-relatedness of biological systems and seeks to probe biology in an unbiased fashion. The "omics" revolution has arisen in parallel with systems biology – but really only describes a set of tools. The challenges of systems biology are making sense of larger data sets but the opportunity is to have a real understanding of biology.*

## P R O G R A M

- 8.00 - 8.30am **Dr Alan Aderem**  
Director, Institute for Systems Biology,  
Seattle, Washington.  
*"A systems approach to dissecting immunity"*
- 8.30 - 9.00am **Professor Stephen Simpson**  
ARC Federation Fellow,  
School of Biological Sciences, The University of Sydney.  
*"Integrative behaviour: from individuals to communities"*
- 9.00 - 9.30am **Professor Doug Hilton**  
Head, Molecular Medicine Division,  
The Walter & Eliza Hall Institute, Melbourne.  
*"Pathways in blood cell formation and function"*
- 9.30 -10.00am **Professor Peter Waterhouse**  
Federation Fellow,  
The University of Sydney and CSIRO Plant Industry, Canberra.  
*"Small RNAs regulating gene expression in plants"*
- 10.00 - 10.30am** *Morning Tea*
- 10.30 -11.00am **Professor Eran Hornstein**  
Molecular Genetics,  
Weizmann Institute of Science, Rehovot, Israel  
*"MicroRNAs regulating vertebrate development"*
- 11.00 - 11.30am **Professor Jürgen Götz**  
Chair of Molecular Biology, Brain and Mind Research Institute,  
The University of Sydney.  
*"Functional Genomics and dementia: A higher level of confusion?"*
- 11.30 -12.00noon **Dr Carola G Vinuesa**  
Viertel Senior Medical Research Fellow / Group Leader,  
John Curtin School of Medical Research, Australian National University, Canberra.  
*"From a complex disease phenotype to a novel molecular mechanism of immunological tolerance"*
- 12.00 - 12.30pm **Professor Ian Dawes**  
Director, Ramaciotti Centre for Gene Function Analysis,  
The University of New South Wales.  
*"Towards understanding metabolic and regulatory networks in yeast"*
- 12.30 - 1.00pm **Professor Albert Zomaya**  
Head, School of Information Technologies,  
The University of Sydney.  
*Inference of large-scale structural features of gene regulatory networks*
- 1.00 - 2.00pm** *Lunch*

**Limited to the first 100 registrants**

**TO REGISTER: Email [reception@centenary.org.au](mailto:reception@centenary.org.au)**

### ORGANISERS:

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