

## The Future of Genetics program

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Wednesday 8 February, Senate Alcove Parliament House Canberra

### 11.30 am

Open by Phil Batterham

### 11.35 am

Introductory comments by Industry Minister Ian McFarlane

### 11.45 am **FOOD AND AGRICULTURE: Boosting production and creating new functional foods and pharmaceuticals.**

Chair: Peter Arkle, National Farmers Federation

- Jim Peacock, CSIRO Plant Industries
- Shaun Coffey, Chief CSIRO Livestock Industries
- Rod Griffin, Chief Executive Officer, CRC for Forestry
- German Spangenberg, Molecular Plant Breeding CRC and DPI Victoria

### 12.30 pm: **GENOMICS AND THE ENVIRONMENT: from monitoring environmental change to conserving and harvesting Australia's flora and fauna, to clean water**

Chair: Craig Cormick, Manager of Public Awareness Biotechnology Australia

- Ary Hoffmann, Director of the Centre for Environmental and Stress Adaptation Research
- Louise Blackall, Advanced Wastewater Management Centre and Director of Research, Environmental Biotechnology CRC
- Rob Saint, ARC Special Research Centre for the Molecular Genetics of Development

PANEL: Sue Forrest, Director of the Australian Genome Research Facility

### 1.15 pm

Lunch

### 2 pm: **HEALTH AND MEDICINE: from cancer and infectious diseases to understanding fertility and human development**

Chair: Doug Hilton, Walter and Eliza Hall Institute

- Brandon Wainwright, Institute of Molecular Bioscience
- Alex Adrianopoulos, Howard Hughes Fellow in the Genetics Department, University of Melbourne
- Chris Goodnow, Director of the Australian Phenomics Facility
- Sue Forrest, Director of the Australian Genome Research Facility
- Lyle Palmer, WA Genome Health Project

PANEL: John Christodoulou, Western Sydney Genetics, Westmead Children's Hospital



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**2.45 pm PESTS, PLAGUES AND BIOSECURITY: The role of genomics past/present and future in protecting Australia from invaders**

Chair: Deborah Smith, Science Writer, Sydney Morning Herald

- Phil Batterham, Bio21 and University of Melbourne Genetics Department
- Ben Adler, Department of Microbiology, Monash University

PANEL: Shaun Coffey - Genetics and biosecurity

**3.30pm**

Break

**3.45 pm: BIOTECHNOLOGY AND BUSINESS: to illustrate that there's money in genomics, that is enabled agricultural and human biotechnology**

Chair: Anna Lavelle, CEO, Ausbiotech

- John Oakeshott, Strategy Director CSIRO Entomology
- Jeremy Burdon, Chief CSIRO Plant Industries
- Richard Harrison, Applied Biosystems

**4.15 pm: DISCOVERY AND BASIC SCIENCE: the big questions**

Chair: Tim Thwaites, New Scientist

- Rob Saint, Director, ARC Special Research Centre for the Molecular Genetics of Development
- Merlin Crossley, School of Molecular and Microbial Biosciences, University of Sydney
- John Mattick, Professor of Molecular Biology and Australian Research Council Federation Fellow at the Institute for Molecular Bioscience

**4.45 pm**

The future for genomics – reviewing the day

**5.30 pm**

Break

**6 pm**

Cocktail function

**7.30pm**

Program concludes