



## Program

\* Please note that program is subject to change

### Sunday 12 September 2004

3.00pm	Registration Opens
	<p><b>OPENING SESSION PROUDLY SPONSORED BY</b></p>  
5.00pm	Conference Opening <b>Shaun Coffey</b> <i>Chief, CSIRO Livestock Industries, Australia</i>
5.10pm	<b>CHAIRPERSON: Peter Willadsen</b> Opening Address – The Genomic Programming of Animal Growth and Development: The Hidden Layer of Non-coding RNA <b>John Mattick</b> <i>Director, Institute of Molecular Bioscience, University of Queensland, Australia</i>
5.50pm	Sponsor Presentation <b>Paul Swan</b> <i>Program Manager – Genetics &amp; Wool Quality, Australian Wool Innovation, Australia</i>
5.55pm	Housekeeping <b>Tim Doran</b> <i>Chair, Conference Organising Committee and Research Scientist, CSIRO Livestock Industries, Australia</i>
6.00pm	<b>Welcome Reception</b> Trade Display, Gold Coast International Hotel

### Monday 13 September 2004

7.30am	Registration Opens
	<b>SESSION 1: Gene Silencing – Mechanisms and Applications</b> <b>CHAIRPERSON: Andre-Denis Wright</b>
8.30am	RNA I-based Therapeutic Strategies and Mechanistic Studies <b>John Rossi</b> <i>Professor and Chair – Division Molecular Biology, Beckman Research Institute of City of Hope, USA</i>
9.15am	RNAi in Mouse Oocytes and Early Embryos: More than a Powerful Tool <b>Paula Stein</b> <i>Senior Research Associate, University of Pennsylvania, USA</i>
10.00am	ddRNAi: From Swiss Army Knife to Scalpel <b>Ken Reed</b> <i>Managing Director, Benitec, Australia</i>
10.30am	Sponsor Presentation <b>Reuben Rose</b> <i>General Manager – Livestock Production Innovation, Meat and Livestock Australia</i>
10.35am	<b>Coffee Break</b>
	<b>SESSION 2: Immune Aspects of RNAi</b> <b>CHAIRPERSON: Andrew Bean</b>
11.00am	Prevention of Polycystic Kidney Disease in Bcl-2 $-/-$ Mice by Transgenic RNA Interference <b>Philippe Bouillet</b> <i>Walter &amp; Eliza Hall Institute, Australia</i>
11.30am	Response of Mammalian Cells to Small Interfering RNA <b>Michael de Veer</b> <i>Research Officer, Walter and Eliza Hall Institute, Australia</i>
12.00pm	Identification and Functional Analysis of Genes Associated with Chronic Inflammatory Diseases <b>Stuart Kellie</b> <i>Senior Lecturer in Immunology, School of Molecular and Microbial Sciences, University of Queensland, Australia</i>
12.30pm	<b>Lunch</b>
	<b>SESSION 3: Antiviral Therapeutics</b> <b>CHAIRPERSON: Peter Walker</b>
1.30pm	Killing the Messenger: Mechanisms and Applications of Mammalian RNAi <b>Carl Novina</b> <i>Assistant Professor, Department of Cancer Immunology and AIDS, Dana Farber Cancer Institute, USA</i>
2.15pm	Silencing of Cellular and Viral Genes to Inhibit HIV-1 Expression and Replication <b>Sean Chung</b> <i>PhD Student, University of Melbourne, Australia</i>
2.35pm	RNAi as an Antiviral Therapeutic for Diseases of Livestock <b>Jef Hammond</b> <i>Senior Research Scientist, CSIRO Livestock Industries, Australia</i>
3.00pm	<b>Coffee Break</b>
	<b>SESSION 4: Transgenic Applications</b> <b>CHAIRPERSON: Jon Hill</b>
3.30pm	RNAi in Plants <b>Peter Waterhouse</b> <i>Senior Principal Research Scientist, CSIRO Plant Industry, Australia</i>
4.00pm	Functional Genomics and Drug Target Validation <b>Frank Koentgen</b> <i>Director and CEO, Ozgene, Australia</i>
4.30pm	Applications of RNAi for Transgenic Aquatic Animals <b>Peter Grewe</b> <i>Genetics, CSIRO Marine Research, Australia</i>
5.00pm	Session Close
6.30pm	<b>Aussie Beach BBQ</b> The Surf Club Kurrawa





## Tuesday 14 September 2004

	<b>SESSION 5: Parasite Gene Function</b> <b>CHAIRPERSON: Warwick Grant</b>
9.00am	Using RNA Interference in <i>Caenorhabditis elegans</i> and Parasitic Nematodes to Explore the Functions of Essential Nematode Genes <b>Carolyn Behm</b> <i>Senior Lecturer, The Australian National University, Australia</i>
9.45am	Molecular Parasitology – Pitfalls and Opportunities <b>Ian Sutherland</b> <i>Project Leader, CSIRO Livestock Industries, Australia</i>
10.05am	Development of RNA Interference in the Parasitic Nematode <i>Haemonchus contortus</i> <b>Jody Zawadzki</b> <i>Senior Research Scientist, Primary Industries Research Victoria, Australia</i>
10.30am	<b>Coffee Break</b>
	<b>SESSION 6: Vaccines and Therapeutics</b> <b>CHAIRPERSON: Chris Prideaux</b>
11.00am	Effective Application of siRNA Technology in Mammalian Cells <b>Ben Cocks</b> <i>Research Director, Animal Genetics and Genomics, Primary Industries Research Victoria, Australia</i>
11.20am	Developing Viral Vectors for the Delivery of dsDNA Molecules for RNAi <b>Tim Mahony</b> <i>Principal Biotechnologist, Department of Primary Industries and Fisheries, Australia</i>
11.40am	Vaccination against Shrimp Viruses – Protein Based Strategies and Prospects for RNA Interference <b>Marielle van Hulten</b> <i>Postdoctoral Research Fellow, CSIRO Livestock Industries, Australia</i>
12.00pm	RNAi in the Treatment of Cervical Cancer <b>Nigel McMillan</b> <i>Senior Research Fellow, University of Queensland, Australia</i>
12.25pm	Promotions for Horizons in Livestock Sciences 2005: Redesigning Animal Agriculture <b>Tim Doran</b>
12.35pm	<b>Lunch</b>
1.30pm	Free Afternoon
6.00pm	<b>Pre-dinner Drinks and Official Poster Viewing Session</b> Poster Display, Gold Coast International Hotel
7.00pm	<b>Conference Dinner</b> Lindeman/Hamilton Room, Gold Coast International Hotel

## Wednesday 15 September 2004

	<b>SESSION 7: MicroRNA and non-Coding RNA</b> <b>CHAIRPERSON: Ross Tellam</b>
9.00am	Toward Understanding Polar Overdominance Phenomenon: Molecular Basis of the <i>trans</i> -Repressor Effect at the Callipyge Locus <b>Carole Charlier</b> <i>Project Leader, University of Liege, Belgium</i>
9.45am	MicroRNAs and Colorectal Cancer <b>Michael Michael</b> <i>Medical Scientist, Flinders Medical Centre, Australia</i>
10.05am	Non-coding RNAs – Key Components of Regulatory Networks, or Minor Distractions in the Search for Answers? <b>Brian Dalrymple</b> <i>Principal Research Scientist, CSIRO Livestock Industries, Australia</i>
10.30am	<b>Coffee Break</b>
	<b>SESSION 8: RNAi – Genome Wide Screening</b> <b>CHAIRPERSON: Lisa Leeton</b>
11.00am	Combining High Throughput RNAi with High Content Cell-Based Readouts to Accelerate Drug Discovery <b>Christophe Echeverri</b> <i>CEO/CSO, Cenix BioScience GmbH, Germany</i>
11.45am	Use of RNA Interference for Target Discovery and Validation in Invertebrates <b>Steve Whyard</b> <i>Research Scientist, CSIRO Entomology, Australia</i>
12.05pm	RNAi for Plant Functional Genomics <b>Chris Helliwell</b> <i>Senior Research Scientist CSIRO, Plant Industry, Australia</i>
12.30pm	Silence of the lambs.... chickens.... and cows? Application of Gene Silencing to Livestock <b>Tim Doran</b> , <i>Chair, Conference Organising Committee and Research Scientist, CSIRO Livestock Industries, Australia</i>
12.50pm	Conference Close <b>Tim Doran</b> <i>Chair, Conference Organising Committee and Research Scientist, CSIRO Livestock Industries, Australia</i>
1.00pm–2.00pm	<b>Lunch</b>

