



Horizons in Livestock Sciences

The impact of the new biology

Monday 26 May 2003	
7.30am	Registration Opens CHAIRPERSON: ROB WOOLASTON
9.00am	Issues and Challenges for the Future of Livestock Research Shaun Coffey <i>Chief of Division, CSIRO Livestock Industries, Australia</i>
9.30am	The Use of Animals in Research – Counting the Costs and Benefits Mike Rickard <i>Animal Welfare Advisor, CSIRO Livestock Industries, Australia</i>
10.00am	Future Impact of Food Safety on Animal Production and Trade: Implications for Research John Edgar <i>former Chief Research Scientist, CSIRO Livestock Industries, Australia</i>
10.30am	Major Sponsor Presentation Christine Raward <i>General Manager - Client and Innovation Services, Meat and Livestock Australia</i>
10.40am	Coffee Break
11.00am	Somatic Cell Nuclear Transfer and Transgenics Jon Hill <i>Research Scientist, CSIRO Livestock Industries, Australia</i>
11.30am	Embryonic Stem Cells: A Future in Agricultural Biotechnology? Martin Pera <i>Co-Director, Monash Institute of Reproduction and Development, Australia</i>
12.00pm	Aberrant Epigenetic Regulation of DNA Methylation is Accompanied by Altered Histone (H3) Methylation in Cloned Bovine Embryos Wendy Dean <i>Senior Research Associate, Laboratory of Imprinting, Developmental Genetics Programme, Babraham Institute, England</i>
12.30pm	Lunch
	CHAIRPERSON: OLIVER MAYO
1.30pm	Gene Transfer: Potential to Enhance the Genome of Atlantic Salmon for Aquaculture Garth Fletcher <i>President/CEO, Aqua Bounty Canada</i>
2.00pm	Transgenic Perspectives in Livestock Sciences 2003 Mark Nottle <i>General Manager, BresaGen, Australia</i>
2.30pm	Commercial Cloning of Livestock: Optimism and Pessimism Ian Lewis <i>Technical and Development Manager, Genetics Australia</i>
3.00pm – 4.30pm	<i>Poster Viewing & Afternoon Tea Melrose Restaurant – Sea World Nara Resort</i>
7.00pm	<i>Barbecue Dinner Waterfall Café - Sea World Nara Resort</i>



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	CHAIRPERSON: HUTTON ODDY
8.30am	Continued Characterization of the Callipyge Mutation in Sheep Noelle Cockett Dean , <i>College of Agriculture, Utah State University, USA</i>
9.00am	Interaction and QTL Oliver Mayo <i>Research Fellow, CSIRO Livestock Industries, Australia</i>
9.30am	The Discovery of Genes Affecting Multigenic Traits: Resistance to Nematode Parasites in Sheep Allan Crawford <i>Science Leader, AgResearch, New Zealand</i>
10.00am	Coffee Break
10.30am	Harvesting the Genomic Promise: Recombineering Sequences for Phenotypes Larry Schook <i>Faculty Excellence Professor of Comparative Genomics, University of Illinois, USA</i>
11.00am	DNA Tests for Marbling in Cattle Bill Barendse <i>Principal Research Scientist, CSIRO Livestock Industries, Australia</i>
11.30am	Finding the Genes Mike Goddard <i>Professorial Fellow in Animal Genetics, Victorian Institute of Animal Science, Australia</i>
12.00pm	Elucidating Cellular and Molecular Pathways for Animal Health and Production by Genome-Wide Mutagenesis in Mice Chris Goodnow <i>Director, Medical Genome Centre, Australia</i>
12.30pm	Lunch
	CHAIRPERSON: ROSS TELLAM
1.30pm	Genetics of TSE Susceptibility and the Search for Surrogate Markers for Infection John Williams <i>Roslin Institute, Scotland</i>
2.00pm	Transcript Profiling of Prolactin-Dependent Models of Mammary Development Reveals Novel Genes Involved in the Prolactin Response in the Mammary Gland during Pregnancy Chris Ormandy <i>Head, Development Group, Cancer Research Program, Garvan Institute of Medical Research, Australia</i>
2.30pm	Microarray Technology for Gene Discovery in Livestock Theresa Wilson <i>Programme Leader, Molecular Biology Unit, Dept of Biochemistry, Otago University, New Zealand</i>
3.00pm	Afternoon Tea
3.20pm	Expression Profiling of Bovine Muscle Sigrid Lehnert <i>Senior Research Scientist, CSIRO Livestock Industries, Australia</i>
3.50pm – 4.20pm	RNA Interference Applications in Animals Steve Whyard <i>Research Scientist, CSIRO Entomology, Australia</i>
7.00pm	<i>Conference Dinner Paradise Room - Sea World</i>

MORNING SESSIONS AND CONFERENCE DINNER PROUDLY SPONSORED BY





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Wednesday 28 May 2003	
8.50am	Depart Sea World Nara Resort for Polar Bear Shores
9.40am	Return to Sea World Nara Resort for beginning of sessions CHAIRPERSON: MIKE RICKARD
9.45am	Infectious Diseases – Never Out of the Spotlight for Long! Graham Mitchell <i>Principal, Foursight Associates, Australia</i>
10.15am	Securing the Livestock Food Supply – Bioweapons and Biosecurity Annabelle Duncan <i>Chief, CSIRO Molecular Science, Australia</i>
10.45am	Detection of PrP and Diagnosis of BSE and Scrapie Roy Jackman <i>Veterinary Laboratories Agency, Weybridge, UK</i>
11.15am	Coffee Break
	CHAIRPERSON: PETER DANIELS
11.45am	Foot and Mouth Disease - How Should We Respond to an Incursion? Mark Stevenson <i>Senior Lecturer in Risk Management, Institute of Veterinary, Animal and Biomedical Sciences, Massey University, New Zealand</i>
12.15am	Emergency Livestock Diseases - Capturing the Benefits of Technology Change to Diagnosis and Control David Boyle <i>Chief Research Scientist, CSIRO Livestock Industries, Australia</i>
12.45pm	Genetic Information Tools for Managing Safety and Quality in the Beef Industry Jay Hetzel <i>Scientific Director, Genetic Solutions, Australia</i>
1.15pm	Lunch
	CHAIRPERSON: DAVID BOYLE
2.00pm	Cell Biology of Prion Diseases David Harris <i>Professor of Cell Biology & Physiology, Washington University School of Medicine, USA</i>
2.30pm	Virus Evolution: Disease Emergence and Spread Allan Gould <i>Senior Principal Research Scientist, CSIRO Livestock Industries, Australia</i>
3.00pm	Aquaculture, Disease Emergence and the Role of the New Biology Peter Walker <i>Senior Principal Research Scientist, CSIRO Livestock Industries, Australia</i>
3.30pm	The Development of Novel Therapeutics as Alternatives to Antibiotics in Livestock Production David Strom <i>Project Leader, CSIRO Livestock Industries, Australia</i>
4.00pm	Summary Remarks Martyn Jeggo <i>Director, Australian Animal Health Laboratory, CSIRO Livestock Industries</i>
4.15pm	Conference Concludes