

CAPABILITY FUNDING REPORT

This table shows the improved capability and organisational performance that have resulted from AgResearch projects funded by the CRI Capability Fund.

AREAS OF ACTIVITY	ACHIEVEMENTS DURING 2007/08	
MAINTAINING & ENHANCING EXISTING CAPABILITY		
Assist in enhancing the productivity of the Māori pastoral sector, and increasing the number of Māori involved in Research & Development.	New young farm systems researcher now contributing to several collaborative projects including Pastoral 21 and involved in agricultural science career promotion activity in numerous high schools.	
Generate wealth for FoMA Dairy and Wool Cluster Group members through R&D to transform their enterprises through value-added niche products, increasing Māori end-user knowledge and capability in the dairy and wool sectors.	The value of different fibre attributes has been determined for strong wool and a model developed to help farmers decide how to prepare their fleeces. A prototype agent-based model of NZ's dairy industry has been developed to explore strategy and policy options, which led to staff being invited by Toyota to present at an international workshop on complex systems. This model is a key component of the new Rural Futures research programme and is being commercialised in Australia. Through a range of AgResearch-based and external lab assays, efficacy data have been collated for two IgA Hyperimmune milk products prepared from milk from immunised cows.	
Interspecific hybridisation in <i>Trifolium</i> and its use in clover improvement.	Additional milestones for the FRST contract have been developed.	
Develop a genetically stable transgenesis for the possum parasitic nematode and deliver inducible transgenic RNA interference to the parasitic stages of the nematode.	Analysis of the effect of down-regulation of daf-7 expression by RNAi was completed, but unsuccessful. The results are in the process of being published. Publication is delayed due to additional lab-work.	-
To discover determinants of the topographic variation in fibre type across the sheep's fleece.	The functional analysis methodology using a sheep wool follicle model was successful. Future funding was not secured due to lack of industry support for additional, longer term research.	-
Identify properties of <i>Salmonella</i> which enable them to establish and become epidemic within a population.	Genes that are unique to <i>Salmonella typhimurium</i> DT160 have been characterised.	
Identify and understand the physiological and biochemical processes underlying difficult births and subsequent lamb mortality.	Statistical analyses of the pathway-data have been completed. Future funding was not secured from FRST NERF. Manuscripts have not been submitted yet due to staff illness.	-
Devise a mucosal immunisation method in sheep against a defined nematode antigen.	No protective immunity was evident in any of the three trials, hence there is no evidence from this work that CarLA is a host-protective antigen.	
Identify potential plant inducers of the endophyte alkaloids loline and peramine.	Endophyte transformation was successful but no loline- and peramine-inducing compounds were identified.	
Gain new knowledge about the genetic regulation of fructan biosynthesis and accumulation and create new ryegrass plants with consistently high levels of fructans beyond natural variation.	Two methods to analyse fructan oligomers and polymers were developed. Because of some very exciting results in identifying alleles, objective three was adjusted.	+
Identify potential sources of external funding and maximise the chances of success of applications, performing research that builds upon selected recent key results, and by extending existing capabilities.	Several potential sources of external funding were identified and two were taken further. Optimised conditions have been developed that use two commercial enzymes to improve the yield and properties of deer velvet extract for cosmetic applications. The digests are well suited for the intended purpose (having favourable protein profiles with reduced molecular weights), although their lipid contents have not been enriched by the enzyme treatment as expected from literature precedents.	
Determine the extent to which miniaturised electronic sensors and devices can be durably and unobtrusively integrated into conductive textile substrates.	Besides successfully establishing techniques for the integration of sensing functionality in smart textiles to stimulate a transformation of the New Zealand textile and coatings industries, the team also synthesised titania micro particles of which one had a good photocatalytic activity, removing coffee stains from wool carpet.	
Develop understanding and processing guidelines to improve colour stability and reduce drip loss in chilled red meat, focusing particularly on lamb and venison.	Guidelines for colour stability of long-term chilled lamb have been developed and the results will be presented to industry in October 2008.	+
Address the current gap in knowledge of the effects of industry changes on the composition of food-borne pathogens and spoilage organisms carried by animals into meat processing plants. These industry changes include increasing dairy herd size, intensification and animal husbandry practices.	DNA collected from all samples have been extracted and the samples have undergone a preliminary molecular screen. Due to a supplier's instrument failure, some planned analyses were not performed.	-
Understanding the development and distribution of parasite larvae.	Little progress has been made. Contract leader has been involved in FRST and M&WNZ bidding.	-
WORK AREAS SUPPORTING NEW AND EMERGING CAPABILITIES		
New insights into currently unexplained beneficial endophyte effects such as specific activity against certain insects, drought tolerance, increased nutrient acquisition, increased seed production.	New candidate endophyte strains and new metabolite leads were identified and some leads were taken for investigation towards new commercial strains with FRST, commercial, and AgResearch funding. A plan for further funding was provided, one application was successful, and the other one is still in process.	
Nutrient emissions in pastures; design of farming systems with reduced emissions.	Contract leader submitted six funding proposals under MAF's Climate Change Plan of Action. All six were successful, as well as a MOTU-led project which was submitted earlier. Further research proposals are being prepared for long-term strategies on N ₂ O inventory and mitigation.	+

AREAS OF ACTIVITY	ACHIEVEMENTS DURING 2007/08	
WORK AREAS SUPPORTING NEW AND EMERGING CAPABILITIES (CONTINUED)		
Identification of genes regulating milk synthesis and antibody response.	Joint FRST application with ViaLactia and LIC on milk synthesis was successful. There was not sufficient end-user support to warrant submitting a joint LIC FRST proposal on the IgA technology. A pathway and network analysis to investigate the interactions between candidate genes with other members of the translational regulatory pathway apparatus, as well as relevant up-stream pathways has been conducted. The target deliverables for this activity were modified after the SCI was finalised.	-
Quorum sensing in insect disease.	A proposal was submitted to the 07-08 FRST NERF round, but was unsuccessful. Talks with seed coating companies will take place in July 2008.	-
Critical factors that affect reproductive performance in cattle. Determine the cause of high embryonic survival in prolific ewes.	Some factors affecting reproductive performance in dairy cattle were identified. A large number of genes were identified as differentially expressed in low and high embryo survival ewes in a second microarray experiment and a number of these are relevant to previously reported hormone profile differences. Further quantitative-RT-PCR experiments will be designed around these genes.	
Development of new technology for detecting and measuring substances important in health, food safety, pharmaceutical discovery and protection of the environment.	The MacDiarmid-funded PhD student resigned after conducting indicative but not conclusive experiments. A concept sketch to FRST was not successful but the group is part of a successful FRST NERF proposal by HortResearch.	-
Exploring the potential of lactic-acid bacteria candidates as seed strains for the bio-preservation of meat, in collaboration with INRA, France.	A proposal was successful in the FRST round and MIRINZ has supplemented the bid by additional future support.	
Quantifying how a ruminant's diet affects the site of methane production and the mode of release (eructated, absorbed and breath expired or lost in the flatus).	This milestone was not achieved due to the use of a 13C and 2H methane infusion technique requiring the additional development of a 2H methane measurement technique and drought conditions prevailing in the Manawatu. As a result it was not feasible to explore the influence of forage diet on methane partitioning within the time constraints of the project.	-
Improve mucosal immunisation methods and oral drug-delivery procedures through adaptation of recently developed novel trans-epithelial delivery systems.	Three peptides were tested for the induction of mucosal and serum antibodies in sheep. There is an indication that peptide-OVA conjugates delivered directly into the small intestines can boost IgA response in serum.	
Develop an understanding of the dynamic links between agriculture and its communities, their relationships, and the way they influence responses to interventions such as new policy. This will help explore and guide future directions for pastoral agriculture and its communities.	Economic and environmental well-being of the region was discussed with locals involved in beef farming in Northland. Particular attention was placed on how Māori communities had built adaptive capacity to cope with change. Results from the different interviews will be fed into the developed systems model.	
Understanding the 'epigenetic' basis of phenotypic variance will lead to the development of novel prognostic indicators for trait selection and provide opportunities for interventions that favour desirable trait outcomes.	A predictive mathematical model which characterises pluripotency has been developed. Inhibition of a developmental gene has been successfully achieved and the resulting findings used to inform and modify the preliminary model. Experimental data support model predictions.	
Develop new capability in plant breeding and in rumen microbiology.	This milestone did not proceed because an American team who created transformed fescue material that was a pre-requisite for the work could not make it available on the expected schedule.	-
Development of unifying skills in ecological interactions.	A brief report on climate change trends has been prepared. Further work is required to identify and isolate the past and future trends for the two major farming regions. Work is delayed due to a delay in appointing a new scientist.	-
Construct a blueprint of the microbial biology underpinning biomass conversion in grazing ruminants.	High molecular weight metagenomic DNA has been isolated from the plant-adhered rumen fraction for subsequent phylogenetic analysis and fosmid library construction.	
Identify genes that function to promote or limit growth in plants in response to environmental cues.	A new transformation vector was constructed and data suggest the miRNA transformants obtained behave as expected.	
Design and fabricate natural bio-matrices for use in the personal care industry and dermatological medical care applications.	The formulation (water based solution with active ingredients) was stable with both natural materials prototype masks and was stable in packaging as well. Both masks significantly improved hydration and reduction in water loss across the skin but skin elasticity was not reproducible.	
Develop a Country of Origin DNA test for mixed beef products.	DNA has been purified from 66 patties and the amplification and scoring of microsatellite DNA markers from all patty DNA samples has been completed.	+
DISCOVERY AND CREATIVE INSIGHT ACTIVITY		
Characterize the adult stem cells derived from muscle and skin and identify the factors that determine their plasticity.	The FRST NERF concept sketch was unsuccessful, but alternative sources of funding or joint initiatives are being explored.	
Complement the environmental assessment of agricultural products with an assessment of the social performance of those products over their whole life cycle.	Social indicators at various levels of scale have been documented in an indicator database. Little existing data were found that related social indicators to different stages of the life cycle of dairy products for NZ and no data were found that related to non-NZ stages.	
Validate a novel strategy for reducing unwanted hair growth in people.	Four short-term <i>in vivo</i> experiments were completed, in which the effects of two compounds were tested; unfortunately there was no effect on hair growth in any experiment. In the light of the negative results, it was not possible to proceed with the long-term experiment. Alternative milestones including a different compound were proposed.	-
Lay the foundation for science-based developments that will fit with the future strategic direction of the wool industry.	One possible mechanism by which dermal fibroblasts could regulate fleece characteristics in a body site-specific manner was found. Research proposals have been submitted to several (international) external funds, including wool industry leaders, trusts, a corporate agribusiness, a breeding company, a hospital, and a university.	+

NON-FINANCIAL PERFORMANCE INDICATORS

INDICATOR Year Ended 30 June 2008	PROJECTED	ACTUAL
GENERAL RESEARCH INDICATORS		
Commissioned reports to users	380	587 ^a
Presentations on technical information and research results	450	584 ^a
Publications on technical information and research results	280	474 ^a
Peer-reviewed articles	270	392 ^a
Keynote and plenary presentations	30	7 ^b
New and improved products, processes and services	20	55 ^c
Products 18		
Processes 13		
Services 24		
Total 55		
Patents granted in New Zealand	10	4 ^d
Patents granted overseas	5	4
Licensing arrangements entered into	5	15 ^e
Revenue from licences	\$666,319 ^f	\$735,873
Joint ventures or formal associations	3	0 ^e
Spin out companies formed (subsidiaries)	1	0 ^e
Spin off companies formed (associate companies)	1	0 ^e
Requests for information from databases and collections Margot Forde Germplasm Collection		Will report totals to the Minister
STAFF INDICATORS		
Total number of FTEs	1010	933.8 ^g
FTEs in research teams	734	681.3
FTEs in research support	120	108.3
FTEs in management and general support	156	144.1

NOTES:

- a) Higher numbers of publications than projected reflect improved customer relationship management.
- b) The lower number of keynote presentations reflects a change in criteria since the projection was made. This category now requires that a presenter's costs must be paid by the conference organisers.
- c) This increase reflects a change in criteria since the projection was made.
- d) Decisions were made to protect some IP through non-patent methods.
- e) The higher than expected number of licensing arrangements and the lower than expected numbers of JVs, spin-outs and spin-offs reflect a change in approach during the year to favour licensing out as a commercialisation pathway.
- f) The "projected" revenue from licenses shown here is the actual figure for year ended June 2007 because no projection was made for this figure in the 2007 Statement of Corporate Intent.
- g) Recruitment and fixed-term contract renewals were managed during the year to control costs.

FINANCIAL PERFORMANCE INDICATORS

PERFORMANCE INDICATORS	ACTUAL 08	TARGET 08	ACTUAL 07	TARGET 07
Revenue Excluding Interest \$k	148,622	161,686	135,680	129,377
EBIT \$k	4,247	2,682	6,295	12,284
EBIT Margin %	2.9%	1.7%	4.6%	9.5%
NPBT \$k	3,086	1,157	6,268	12,183
ROE %	1.6%	0.4%	5.2%	11.8%
Return on Assets %	1.7%	1.2%	4.7%	9.0%
Equity Ratio	78.1%	78.2%	73.0	81.1
Quick Ratio	1.7	1.45	1.8	0.9
Gearing (term debt to total assets)	9.4%	9.8%	13.3%	1.3%
Interest Cover	2.7	1.8	7.9	34.5
Value of Shareholders' Investment \$k	193,484	178,407	100,716	109,107

The financial indicators shown for 2007 are as reported in the 2007 Annual Report under previous NZ GAAP. They have not been amended to reflect the NZ IFRS comparatives as shown in this report.

TOTAL GOVERNMENT RESEARCH INCOME (TGRI)

\$ 000's	GROUP 2008	GROUP 2007
Foundation of Research Science and Technology and Ministry of Research Science and Technology contracts (net)	65,638	58,551
Co-funding, including consortia and Crown Entities	30,489	24,618
Royal Society of New Zealand	317	616
Total Vote Research Science and Technology and co-funding	96,444	83,785
Government Departments		
Agriculture and Forestry	3,097	987
Foreign Affairs	147	45
Other Government Departments	176	340
Local Government	818	688
Total Government Research Income	100,682	85,845

The TGRI is used to calculate AgResearch Limited's share of the CRI Capability Fund. Refer to pages 34 to 35.



CLOCKWISE FROM BACK LEFT:
Rick Christie, Richard (Dick) Davison,
Dr Robert Welch, Graham Fraser, Susan
Huria, Danny Chan, Dr Jane Adams

BOARD OF DIRECTORS

(Until 30 June 2008)

RICK CHRISTIE – CHAIRMAN (Until 30 June 2008)

Rick is a professional director and company Chairman with appointments in both the private and public sectors. He has had considerable experience as a Chief Executive; his most recent position being CEO of diversified investment company Rangatira Ltd. Prior to that appointment Rick had extensive involvement in the export sector, including Tradenz (The New Zealand Trade Development Board), where he was Chief Executive from 1990 to 1996.

Rick is an MSc (Hons) graduate in chemistry from Victoria University. He is a Fellow of the New Zealand Institute of Management and a Fellow of the New Zealand Institute of Directors.

Rick retired as Chairman of AgResearch Ltd on 30 June 2008. He is currently Chairman of Ebos Group Ltd, ProvencoCadmus Ltd, Vcomms Ltd, Argenta Ltd, and a Director of the Growth and Innovation Advisory Board, Tourism Holdings Ltd, Wakefield Hospital Ltd and the NZ Pork Industry Board. He is also a Fellow of the Royal Society for Arts, Manufacturers and Commerce in London.

GRAHAM FRASER – DEPUTY CHAIRMAN

A dairy farmer for 25 years, Graham has served as Chairman of the Dairy Board and Chairman or Director of numerous other companies involved in primary industries. He feels strongly about the importance of biologically based export industries and believes New Zealand can use its knowledge of agricultural science and technology to create new markets in high margin products and services. He is Chairman of Pastoral 21, an association of industry leaders whose purpose is to co-ordinate pastoral on-farm research.

Graham is a Director of Livestock Improvement Corp Ltd and Skellerup Holdings Ltd.

DR JANE ADAMS – DIRECTOR

Jane is Innovation Leader, ZESPRI International Ltd managing research on kiwifruit productivity, supply chain and market access. She was previously Dean of the Faculty of Health and Environmental Sciences, UNITEC Institute of technology.

Jane began her career as a post-harvest physiologist with the Department of Scientific and Industrial Research. After gaining a PhD in plant biochemistry, she worked for Goodman Fielder Wattie Ltd and MAF Quality Management. She then developed her own consultancy business in post-harvest science and science management.

In 2006 Jane became a Member of the New Zealand Order of Merit for her services to food science and technology. She is currently Chairperson of the New Zealand Horticultural Science Advancement Trust.

DANNY CHAN – DIRECTOR

Danny is the Executive Chairman of Alpha Asset Management Ltd and has had interests in floriculture, education, seafood processing and security systems. Until 1994, he headed the Taiwan office of Fidelity Investments of the USA, the world's largest fund management company. He was formerly a Director of Airways Corporation Ltd and Everbright Pacific, a subsidiary of the Chinese government-owned China Everbright Ltd. Danny has lectured in managerial finance and business analysis at Victoria University.

Danny is currently a Director of the following companies (and subsidiaries thereof): Academic Colleges Group Ltd, Assessment Services Ltd, BioPacific Management Ltd, Aviation English

Services Ltd, FlowerZone International Ltd, Griff Trading Ltd, Guardall Security System Ltd, Orient New Zealand Property Trust, Orient Pacific Management Ltd, PhytaGro Inc, Tahere Callas Ltd, and Talafor Investment Ltd.

RICHARD (DICK) DAVISON – DIRECTOR

Dick farmed a 314-hectare property in Culverden, North Canterbury for 30 years from 1976. A Lincoln University alumnus, with Diplomas in Valuation and Farm Management and Agriculture, he is a partner in Mossman and Davison Ltd Registered Public Valuers. Dick has held a wide variety of positions in organisations such as Federated Farmers, the Ministry of Agriculture's Agriculture Strategy Council, the Animal Health Board, Amuri Plains Irrigation Ltd, Ravensdown and the Ministry of Māori Affairs Māori Reserved Lands Committee. He graduated with a Masters degree in Professional Studies with a major in Agribusiness from Lincoln University this year.

Dick is a Director of Amuri Healthcare Ltd, Chair of the Hurunui-Kaikoura Primary Health Organisation and a Trustee of the Central Plains Water Trust.

SUSAN HURIA – DIRECTOR

Susan is a specialist in the Māori economy and runs her own management practice, Huria Anders. She was previously a senior executive at Auckland International Airport Ltd and has since served on the Boards of Radio New Zealand Ltd, Ngāi Tahu Development Corporation, Housing New Zealand Corporation, Whitecliffe College of Arts

& Design and Workbase, the national centre for workplace literacy.

Susan is currently a Director of Manukau Leisure Services Limited and the independent member of the Fonterra Governance Development Committee. She is also a Director of a number of private companies, a Fellow of the Public Relations Institute of New Zealand and an Accredited Member of the Institute of Directors.

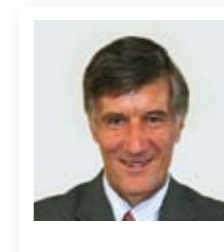
DR ROBERT WELCH – DIRECTOR

Robert is a Director and shareholder in New Zealand Biotechnologies Limited. This company makes high-value plant extracts for sale in Korea and Japan. Robert earned degrees in agriculture from Lincoln University and physiology from the University of Otago as well as a PhD in reproductive physiology and biochemistry from Cambridge. He worked for AgResearch's predecessors at Ruakura and Grasslands and, after the formation of AgResearch, joined the corporate office as the International Science Manager and advisor to the Board on developments in biotechnology. Robert left in 1998 to found New Zealand Biotechnologies.

He has also advised on biotechnology strategy for the New Zealand Dairy Board, Wool Board and Meat Board, leading to the formation of ViaLactia and Ovita. Robert was Executive Secretary of the Waikato Technology Foundation, which became Innovation Waikato Limited and established the Innovation Park at Ruakura.

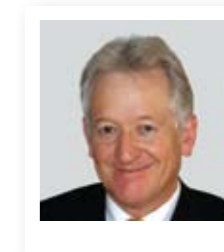
NEW BOARD MEMBERS

(From 1 July 2008)



SAM ROBINSON – CHAIRMAN

Sam Robinson is Hawke's Bay-based and has been a sheep and dry stock farmer since 1973, with extensive experience in the farming industry. He currently serves on the Board of the state-owned enterpriseASUREQuality Ltd. He was the Chair of Richmond Meats until July 2004, and is also the Chair of the Agricultural and Marketing Research and Development Trust (AGMARDT). He is currently a director of PSIS, Port of Napier and Farmlands Ltd. He has a wealth of experience in the agri-business sector along with significant relevant governance experience and, as such, is well placed to assume the Chair position and lead the company through the next stage of its development. Mr Robinson replaces Rick Christie as Chairman.



ANDREW MACPHERSON – DIRECTOR

Andrew MacPherson is based in Lower Hutt and is currently a consultant to the agri-business sector having (until May 2008) been the General Manager of Intervet Ltd New Zealand, a subsidiary of the Dutch chemicals and coatings conglomerate Akzo Nobel. He is a director of the Animal Health Board and Chairs the Johnes Disease Research Consortium. Mr MacPherson holds degrees in Veterinary Science and Business Administration, was recently made a Fellow of the New Zealand Institute of Management, and owns a sheep station near Gisborne. He is the former CEO of AgVax Developments Ltd, which was an AgResearch subsidiary prior to its sale to Intervet and was CEO of Canesis Networks Ltd which sold its business to AgResearch.

STAFF ACHIEVEMENTS 2007 – 2008

STAFF MEMBER	ACHIEVEMENT
DR RACHEL ANDERSON	New Zealand Institute of Agricultural and Horticultural Science (NZIAHS) Postdoctoral Fellow Award
DENISE BEWSELL AND DR MARGARET BROWN	Outstanding Paper Presentation award, AIAEE International Conference
DR CHRIS COULDREY	Maurice & Phyllis Paykel Trust project grant
DR TONY CRAVEN	Vernon Willey Trust grant
DR JULIE DALZIEL	Johns Hopkins Bloomberg School of Public Health Award for alternate animal testing
DR JULIE DALZIEL, THAI PHUNG, DR YAN-LI ZHANG & DR JAMES DUNLOP	National Animal Ethics Advisory Committee of MAF – 2008 “Three R’s Award”
DR GEORGE DAVIS	Fellow of the Association for the Advancement of Animal Breeding and Genetics
LEE DEIGHTON	Queen Elizabeth II Technicians’ Study Award
DR CECILE DE KLEIN	Received copy of Nobel Peace Prize award certificate bestowed on IPCC, for her contributions as lead author of the 2006 revision to the GHG inventory guidelines
DR KEN DODDS	C. Alma Baker Fellowship Award
JONATHAN DUNNE	Asia-Oceania Human Proteome Organisation (AOHUPO/KSMS) Young Scientist Award
DR DAMIEN FLEETWOOD	Royal Society of NZ International Science and Technology (ISAT) award
DR PIP GERARD	Co-op Halo Award
DR STEPHEN GOLDSON	Bayer Innovator Award – agriculture and environment category
NATALIE HARFOOT (PhD student)	2007 MacDiarmid “Science and our Society” Award
DR MIKE HAY	Royal Society of NZ International Science and Technology (ISAT) award
DR DAVID HEATH	Friendship Prize of the People’s Republic of China
MICHAEL HICKEY	T.R. Ellett Agricultural Research Trust Grant
DR TREVOR JAMES	Foundation for Arable Research Researcher of the Year award

STAFF MEMBER	ACHIEVEMENT
DR RICHARD JOHNSON	Royal Society of NZ International Science and Technology (ISAT) award
BIANCA KNOCH	Massey University Institute of Food Nutrition and Human Health Postgraduate Study Award
DR SINEAD LEAHY	The Biochemical Society (UK) travel award
DR RITA LEE	Dumont d’Urville Travel Fellowship
DR JOHN MCKINNON	Royal Society of New Zealand Pickering Medal
DR WARREN MCNABB	Fellow of the NZ Institute of Agricultural and Horticultural Science Inc.
DR CHRIS MILES	Marie Curie Fellowship
TRACEY NELSON	Queen Elizabeth II Technicians’ Study Award
DR BJÖRN OBACK	International Royan Research Award for Reproductive Biomedicine & Stem cells “Emerging Scientist KuDos Award” sponsored by WaikatoLink Promising Researcher of the Year 2007 Award at the Queenstown Molecular Biology Meeting
DR MAUREEN O’CALLAGHAN	2007 NZIM Canterbury/Crop & Food Research Memorial Scholarship
ANDREA ROGERS	Queen Elizabeth II Technicians’ Study Award
DR PHIL ROLSTON	“Best paper award” at the NZ Agronomy Society Conference
KATH ROSS	T.R. Ellett Trust Fellowship
DR DAVID SCOBIE, DENIS O’CONNELL & DR ANDY BRAY (former AgResearch)	NZ Institute of Agricultural and Horticultural Sciences – 2007 PGG Wrightson Seeds Significant Achievement Award
DR PAUL SHORTEN	NZBio Emerging Biotechnologist of the Year Award
DR DARREN SMALLEY	Royal Society of NZ International Science and Technology (ISAT) award
MATTHEW SUNDERLAND	Wool Research Organisation of New Zealand Inc./New Zealand Wool Industry Charitable Trust Postgraduate Scholarship
DR BRUCE VEIT	OECD Co-operative Research Programme Fellowship

RIGHT: AgResearch Scientist Natalie Harfoot, a winner at the 2007 MacDiarmid Awards

