

# News Release



## Heart failure study among major new HRC grants

Four major new research programmes were amongst 75 health research contracts worth more than \$62 million announced by the Health Research Council of New Zealand (HRC) today.

A multidisciplinary research programme, led by University of Auckland's Professor Mark Cannell, aims to clarify aspects of why some hearts fail and how life threatening arrhythmias may be initiated. Top diabetes researcher Professor Garth Cooper will be a major contributor to the programme that will focus on two major heart failure risk factors – diabetes and ischemia/reperfusion (free-radical induced damage) and will use a variety of imaging techniques, proteomics, biophysics and modeling.

The polypill trial is one a number of innovative interventions tackling major risks to health that make up a collaborative research programme led by Dr Anthony Rodgers at the University of Auckland's Clinical Trials Research Unit (CTRU). Four other projects in this programme focus on smoking prevention and cessation and will include a community-based study involving families that is aimed at reducing the uptake of smoking among children.

A programme led by Professor Richard Faull from the University of Auckland will study the patterns and mechanisms of nerve cell death, repair and neurogenesis in Huntington's disease, Alzheimer's disease, epilepsy and Parkinson's disease.

A University of Otago Wellington School of Medicine programme led by Professor Tony Blakely will bring together social epidemiology, Maori health, health services and sociology to find interventions to address health inequalities in New Zealand.

Dr Bruce Scoggins, HRC Chief Executive, says the funding increase announced by the Government earlier this month has enabled the HRC to support a greater number of high quality research projects this year.

“Our researchers are amongst the best in the world and I’m delighted that this year we have been able to fund more top class research than in previous years,” he says.

**For further information :**

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## **Health Research Council of New Zealand (HRC) Annual funding round results**

The HRC received 250 applications in its annual project round and awarded a total of 75 contracts, including two contracts that are to be confirmed. These were chosen in a two-step process involving local and overseas expert referees who work in the same research area, and intense scrutiny by specialised assessing committees. The total value of new contracts was \$62.34 million (excluding GST).

### **New HRC Programmes**

**Associate Professor Tony Blakely, Ms Bridget Robson, Dr Papaarangi Reid, Dr Peter Crampton, Dr Kevin Dew, Dr Diana Sarfati**

Department of Public Health, Wellington School of Medicine and Health Sciences, University of Otago, 04 385 5541 ext 6086

*Health inequalities research programme, 36 months, \$2,019,188*

**Professor Mark Cannell, Professor Christine Winterbourn, Professor Peter J Hunter, Dr Alistair A Young, Professor Garth Cooper, Dr Bridget Leonard, Dr Anthony RJ Phillips, Dr Allen Rodrigo, Dr Christian Soeller, Dr Franz Pichler, Dr Ian LeGrice, Dr Michael Black, Dr Peter Ruygrok, Dr Marie Ward, Dr David Crossman, Dr Brett R Cowen**

Department of Physiology, University of Auckland, 09 373 7599 ext 86201

*Structure and function in failing heart, 36 months, \$2,988,691*

**Professor Richard Faull, Mr H J Waldvogel, Professor Michael Dragunow, Dr Michelle Glass, Dr Bronwen Connor**

Division of Anatomy with Radiology, University of Auckland, 09 373 7599 ext 86708

*Neurogenesis and neurodegenerative disorders of the human brain, 36 months, \$2,337,278*

**Dr Anthony Rodgers, Professor Alistair Woodward, Associate Professor Bruce Arroll, Professor Rodney T Jackson, Associate Professor Robert Doughty, Dr Marewa Glover, Associate Professor Robert Scragg, Dr Chris Bullen, Dr Natalie Walker, Dr Dale Bramley, Mr Stephen Vander Hoorn**

Clinical Trials Research Unit, Auckland UniServices Ltd, 09 373 7599 ext 84713

*Innovative interventions tackling major risks to health, 36 months, \$4,180,000*

## **HRC Programme Extensions**

**Professor Edward Baker, Professor John Fraser, Associate Professor Peter Metcalf, Dr Vickery Arcus, Dr Shaun Lott**

School of Biological Sciences, University of Auckland, 09 373 7599 ext 84415

*Structural biology of proteins of biomedical importance, 36 months, \$3,015,061*

**Professor Jane Harding, Associate Professor Bernhard Brier, Dr Mark Oliver, Dr Frank Bloomfield, Dr Mark Vickers**

Liggins Institute, University of Auckland, 09 373 7599 ext 86439

*Fetal growth and its consequences, 36 months, \$3,212,817*

**Professor Neil Pearce, Associate Professor Jeroen Douwes, Dr Lis Ellison-Loschmann; Dr Andrea 't Mannetje, Dr Dave McLean, Dr Mona Jeffreys, Dr Christine Van Dalen, Dr Sunia Foliaki, Dr Ate Moala, Professor Chris Cunningham, Professor Mason Durie, Professor Graham Le Gros, Professor Roger Morris, Dr Even Dryson; Dr David Philips, Dr Erika Von Mutius, Dr Chris Walls, Dr Paolo Boffetta, Dr Aaron Blair, Associate Professor Hans Kromhout**

Centre for Public Health Research, Massey University, 04 380 0606

*Causes and control of non-communicable disease, 36 months, \$1,699,580*

**Professor Mark Richards, Dr Vicky Cameron, Dr Chris Charles, Dr Robert Doughty, Dr John Lainchbury; Dr Barry Palmer, Dr Miriam Rademaker, Dr Richard Troughton, Associate Professor Tim Yandle**

Department of Medicine, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 1117

*Humoral, ultrasonographic & genetic prediction & protection in heart disease, 36 months, \$3,672,281*

**Professor Christine Winterbourn, Associate Professor Anthony Kettle, Dr Margret Vissers, Dr Mark Hampton**

Department of Pathology, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 0564

*Oxidants, antioxidants and inflammatory disease, 36 months, \$2,791,000*

## HRC Projects

**Mrs Gillian Abel, Dr Cheryl Brunton, Ms Lisa Fitzgerald**

Department of Public Health & General Practice, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 0619

*The impact of the Prostitute Reform Act on the health and safety practices of sex workers, 36 months, \$516,736*

**Dr Fiona Alpass, Mr Eljohn D H Fitzgerald, Dr Christine Stephens, Mr Brendan S Stevenson, Dr Judith Davey, Miss Helen Pennington**

Department of Psychology, Massey University, 06 350 5799 ext 2081

*A study of the health of older adults in the transition from work to retirement, 36 months, \$658,724*

**Dr Greg Anderson, Dr David Grattan**

Department of Anatomy & Structural Biology, Dunedin School of Medicine, University of Otago, 03 479 5993

*The link between nutrition and fertility, 36 months, \$546,529*

**Dr Dorothy Begg, Professor John Langley, Associate Professor John Broughton, Dr Shanthi Ameratunga, Ms Rebecca Brookland**

Injury Prevention Research Unit, Department of Preventive and Social Medicine, University of Otago, 03 479 8509

*New Zealand Drivers Study: a follow-up study of newly licensed drivers, 48 months, \$690,106 (Additional funding for this project is provided by ACC \$600,000 and Road Safety Trust \$200,000).*

**Dr Anne Bray, Dr Claire Stewart, Ms Brigit Mirfin-Veitch, Ms Sarah Sharp, Professor Keith Sullivan, Mr Paul Milner**

Donald Beasley Institute, 03 479 8080

*Peer abuse in group homes for adults with intellectual disabilities, 30 months, \$527,031*

**Dr Paul Brown, Dr Lorna Dyall, Professor John Windsor, Dr Linda Cameron, Dr Tim G T Tenbense**

School of Population Health, University of Auckland, 09 373 7599 ext 85261

*Use of private and public sectors for surgical procedures, 24 months, \$345,329*

**Dr Janet Carter, Dr Janice McKenzie, Dr Virginia McIntosh, Dr Suzanne Luty, Dr Marie Crowe, Professor Peter Joyce, Ms Jennifer Jordan, Dr Jane O'Malley**

Department of Psychological Medicine, Christchurch School of Medicine and Health Sciences, University of Otago, 03 372 0400

*Psychotherapy factors related to outcome in depression, 36 months, \$293,827*

**Dr Chris Charles, Professor Mark Richards, Dr Miriam Rademaker, Professor Tim Yandle**

Christchurch Cardioendocrine Research Group, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 0543

*Adrenomedullin 2: a new effector in pressure/volume homeostasis? 36 months, \$706,416*

**Associate Professor Lai-Ming Ching, Professor Bruce Baguley, Dr David Bridewell, Dr See-Tarn Woon**

Auckland Cancer Society Research Centre, University of Auckland, 09 373 7599 ext 86140  
*Identification of new targets for anti-vascular therapies for cancer, 36 months, \$1,054,162*

**Dr Jacqueline Cumming, Dr Antony Raymont, Professor Gregor D Coster, Ms Amohia Boulton, Dr Steve Stillman**

Health Services Research Centre, Victoria Link Limited, 04 463 6567  
*Improving health through primary care reform: an economic analysis, 36 months, \$474,125*

**Dr Jacqueline Cumming, Dr Antony Raymont, Professor Gregor D Coster, Ms Amohia Boulton, Associate Professor Mary Finlayson, Dr Patrick Graham, Dr Philip Hider**

Health Services Research Centre, Victoria Link Limited, 04 463 6567  
*Improving performance in New Zealand health care: hospital outcomes, 36 months, \$1,041,888*

**Professor Brian Darlow, Dr Roland Broadbent, Dr Carl Kuschel, Associate Professor Mark Elder, Dr Michael Meyer, Associate Professor Cynthia Cole, Dr Michael Hewson**

Department of Paediatrics, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 0747  
*What oxygen saturation level should we target in very preterm infants? - a Randomised Controlled Trial, 48 months, \$798,975*

**Professor Peter Davis, Associate Professor Laurie J Brown, Mr Roy Lay-Yee, Professor Alastair Scott, Associate Professor Ngaire Kerse, Mr Andrew Sporle**

Department of Sociology, University of Auckland, 09 373 7599 ext 85109  
*Primary care in an ageing society: a modelling approach, 36 months, \$1,048,673*

**Professor Zoltan Endre, Professor Robert Walker, Associate Professor John Leader, Dr Geoffrey Shaw**

Department of Medicine, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 1847  
*Early intervention in acute renal failure, 36 months, \$899,320*

**Professor John Fraser, Professor Edward Baker, Dr Thomas Proft, Dr Indira Basu, Dr Bruce Wines**

Faculty of Medical & Health Sciences, University of Auckland, 09 373 7599 ext 86036  
*The role of the superantigen-like toxins (SSLs) in staphylococcal pathogenicity, 36 months, \$908,541*

**Dr Mhoyra Fraser, Professor Murray Mitchell, Dr Jeffrey Keelan, Professor John Hopkins**

Liggins Institute, University of Auckland, 09 373 7599 ext 3024  
*Preterm brain injury and the role of intrauterine infection in causation of white matter damage, 36 months, \$1,000,171*

**Dr Marewa Glover, Mr John Waldon, Ms Harangi Biddle**

Department of Applied Behavioural Science, University of Auckland, 09 373 7599 ext 86044  
*Te Whaangai Uu - Te Reo o te Aratika (Kaupapa Maori breast feeding advice services versus generic breast feeding advice services), 18 months, \$314,290*

**Professor Peter Gluckman, Associate Professor Hamish Spencer, Dr Mark Vickers, Professor Mark Hanson, Dr David Raubenheimer**

Liggins Institute, University of Auckland, 09 373 7599 ext 86634  
*Intergenerational macronutrient transitions and long-term consequences, 36 months, \$825,645*

**Dr Alistair Gunn, Dr Laura Bennet, Dr Simon Malpas, Dr Malcolm Battin, Dr Ellen Knapp, Dr Sherly George**

Department of Physiology, University of Auckland, 09 373 7599 ext 86763  
*Hypothermia and preterm brain injury, 36 months, \$902,776*

**Dr Matire Harwood, Dr Mark Weatherall, Professor Kathryn McPherson, Dr Harry McNaughton, Dr Api Talemaitoga, Dr John Gommans, Dr Alan Barber**

Medical Research Institute of New Zealand, 04 472 9112  
*Improving stroke recovery for Maori and their whanau, 36 months, \$1,065,917*

**Dr Ian Hermans, Professor Graham Le Gros, Professor Vincenzo Cerundolo**

Malaghan Institute of Medical Research, 04 499 6914 ext 823  
*Improving vaccines with adjuvants that stimulate NKT cells, 36 months, \$607,477*

**Dr Paul Hessian, Associate Professor John Highton, Professor Malcolm Smith**

Department of Physiology, Otago School of Medical Sciences, University of Otago, 03 479 7481  
*CD21L and clinical outcomes for rheumatoid arthritis, 36 months, \$958,295*

**Associate Professor Gary D Housley, Associate Professor Peter R Thorne, Dr Srdjan Vljakovic, Professor Allen Ryan**

Department of Physiology, University of Auckland, 09 373 7599 ext 86300  
*The contribution of ATP-gated ion channels to noise-induced hearing loss, 36 months, \$796,527*

**Professor Michael Kalloniatis, Dr Erica Fletcher, Dr Brendan O'Brien, Dr Monica Acosta, Dr Keely Bumsted O'Brien**

Department of Optometry & Vision Science, University of Auckland, 09 373 7599 ext 82977  
*Photoreceptor degeneration in retinitis pigmentosa, 36 months, \$827,930*

**Ms Vera Keefe -Ormsby, Mr Gordon Purdie, Dr Pauline Koopu, Dr Hugh Trengrove**

Eru Pomare Maori Health Research Centre, Wellington School of Medicine and Health Sciences, University of Otago, 04 385 5924  
*Hospital oral health services use in the Wellington region, 18 months, \$132,561*

**Associate Professor Ngaire Kerse, Associate Professor Bruce Arroll, Ms Elizabeth Robinson, Dr Simon Hatcher, Professor Anthony Dowell, Professor Gregory Kolt, Dr Raina Elley, Ms Kathy Peri, Dr John Parsons, Ms Karen Hayman**

Department of General Practice, University of Auckland, 09 373 7599 ext 84467

*Maximising function in depressed older patients, 36 months, \$681,534*

**Associate Professor Jane Koziol-McLain, Dr Janet Fanslow, Dr Emma Davies**

School of Nursing, Auckland University of Technology, 09 917 9999 ext 7712

*Healthcare site-based partner violence screening and intervention efficacy, 36 months, \$1,225,037*

**Dr Elizabeth Ledgerwood, Dr Michael Hubbard, Dr Fabian Lecomte**

Department of Biochemistry, Otago School of Medical Sciences, University of Otago, 03 4795195

*Functional analysis of ERp29, a protein-folding assistant up-regulated in cancer, 36 months, \$912,452*

**Dr Simon Malpas, Dr Carolyn Barrett, Dr Sarah-Jane Guild**

Department of Physiology, University of Auckland, 09 373 7599 ext 84584

*The link between the brain and kidney in development of hypertension, 36 months, \$1,073,032*

**Professor Jim Mann, Dr David Tipene-Leach, Dr Kirsten McAuley, Dr Sally Abel,**

**Dr Sheila Williams, Dr Nathan Joseph, Ms Helen Pahau, Dr Kirsten Coppell**

Department of Human Nutrition, University of Otago, 03 479 7719

*Ngati Porou Hauora Prevent Diabetes Project, 12 months, \$126,456*

**Dr Colin McArthur, Professor Robyn Norton, Associate Professor Rinaldo Bellomo,**

**Dr Simon Finfer, Dr Shay McGuinness, Dr Richard Dinsdale, Dr Tony Williams**

Auckland Hospital, Auckland District Health Board, 09 307 2892

*Normoglycaemia in Intensive Care Evaluation (NICE) study, 30 months, \$580,174*

**Dr Deborah McLeod, Ms Bridget Robson, Dr Peter Crampton, Dame Anne Salmond,**

**Professor Anthony Dowell, Ms Donna Cormack, Mr Tom Love, Mr Michael Howard**

Department of General Practice, Wellington School of Medicine and Health Sciences,

University of Otago, 04 385 5541 ext 5621

*General practice enrolment, utilisation and disease management 2001 & 2005, 24 months, \$412,725*

**Dr Pamela Melding, Mrs Joanna Stewart, Associate Professor Paul Merrick, Ms Snezana**

**Mitrovic-Tosovic, Dr Richard Worrall, Professor Rocco Pitto, Dr Francois Stapelburg,**

**Professor Keith Wesnes**

Mental Health Services for Older People, Centre for Clinical Research & Effective Practice, 09 373 7599

*Post operative cognitive decline in New Zealand: what are the risks? 36 months, \$469,309*

**Professor Mervyn Merrilees, Professor Thomas Wight**

Division of Anatomy with Radiology, University of Auckland, 09 373 7599 ext 86506  
*The use of proteoglycan genes to engineer a vessel wall resistant to atherosclerosis, 24 months, \$279,956*

**Ms Helen Moewaka Barnes, Ms Belinda Borell, Ms Wendy Henwood, Liliana Clarke, Mr Otto Huisman**

Centre for Social & Health Outcomes Research & Evaluation, Massey University, 09 366 6136  
*Te Mauri o te U-Kai-Po: intergenerational experiences of environments and wellbeing, 36 months, \$878,401*

**Dr Paul Ockelford, Professor John Simes, Dr Timothy Brighton, Dr Paul Harper, Dr John Eikelboom**

Thromboembolism Unit, Auckland District Health Board, 09 571 4088 ext 7889  
*Low dose aspirin to prevent recurrent venous thromboembolism: a multicentre trial, 36 months, \$537,000*

**Dr Chris Pemberton, Professor Mark Richards, Dr Chris Charles, Professor Tim Yandle, Dr Steven Soule**

Department of Medicine, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 0848  
*C-ghrelin: A novel link between metabolic dysfunction and cardiovascular disease, 36 months, \$855,367*

**Associate Professor Mihi Ratima, Ms Sonia Rapana, Mr Tony Iwikau, Ms Olivia Marsden, Ms Edith McNeill, Ms Angelea Bayley, Ms Belinda Ihaka, Mr Greg Coyle**  
 Division of Public Health and Psychosocial Studies, Auckland University of Technology, 09 917 9999 ext 7234  
*A diabetes-related lower limb pathology control demonstration intervention for Maori, 24 months, \$469,690*

**Professor Stephen Robertson, Dr Zandra Jenkins**

Department of Paediatrics and Child Health, Dunedin School of Medicine, University of Otago, 0 3 479 7469  
*The functions of filamins: understanding the genetics of congenital malformations, 12 months, \$310,765*

**Dr Anna Sansom, Associate Professor Philippa Howden-Chapman, Professor Chris Cunningham, Dr Kevin Dew, Dr Mark Weatherall, Ms Jo-Ani Robinson, Dr Sarah Dean**

Department of Medicine, Wellington School of Medicine and Health Sciences, University of Otago, 04 385 5999 ext 4879  
*Exploring the housing needs and experiences of people with disability in New Zealand, 24 months, \$372,998*

**Professor Russell Scott, Dr Christopher Florkowski, Professor Peter George, Ms Joanna Young, Ms Patrice McGregor, Miss Sarah Molyneux**

Lipid and Diabetes Research Group, Canterbury DHB, 03 3640 449  
*Does ezetimibe correct vascular dysfunction? 14 months, \$102,122*

**Associate Professor Robert Scragg, Dr Lorna Dyal, Associate Professor Ngaire Kerse, Mr Malakai Ofanoa, Mr David Schaaf, Dr John Wishart**

School of Public Health, University of Auckland, 09 373 7599 ext 86336

*Effect of ultraviolet B radiation and vitamin D on blood pressure and insulin sensitivity, 24 months, \$550,475*

**Professor Peter Shepherd, Professor Matthew During, Dr Callum Sutherland**

Department of Molecular Medicine & Pathology, University of Auckland, 09 373 7599 ext 89891

*Is Id2 a master switch for glucose induced complications of diabetes? 36 months, \$847,514*

**Dr Robert Siebers**

Department of Public Health, Wellington School of Medicine and Health Sciences, University of Otago, 04 385 5541 ext 6838

*Early life fungal biomass exposure and development of allergic diseases, 12 months, \$108,368*

**Dr Andrea 't Mannetje, Professor Neil Pearce, Dr Barry Borman, Dr Evan Dryson, Dr Chris Walls, Dr David J McLean, Dr Jefferson R Fowles, Ms Tania Slater, Dr David Phillips, Associate Professor Manolis Kogevinas, Professor Pier Bertazzi, Dr Patrick O'Connor**

Centre for Public Health Research, Massey University, 04 380 0682

*Dioxin exposure levels and health effects in phenoxy herbicide production workers, 36 months, \$1,111,036*

**Professor Warren Tate, Dr Russell Poulter, Dr Elizabeth Poole, Dr Chris Brown**

Department of Biochemistry, Otago School of Medical Sciences, University of Otago, 03 479 7839

*Post-transcriptional processes as drug target for HIV & Hepatitis B & C viruses, 36 months, \$1,302,420*

**Dr John A Taylor, Associate Professor Rod Dunbar, Professor John Fraser, Professor Edward Gane, Dr Nikolai Naomou**

School of Biological Sciences, University of Auckland, 09 373 7599 ext 2854

*Restoration of antiviral T-cell activity during chronic hepatitis B infection using superantigens, 36 months, \$921,265*

## **HRC Strategic Development Contracts**

**Ms Amohia Boulton, Dr Jacqueline Cumming**

Te Pumanawa Hauora ki Manawatu, Massey University, 06 350 5799 ext 7541

*Contracting for Whanau Ora, 36 months, \$121,308*

**Dr Nicola Dalbeth, Associate Professor Jillian Cornish, Professor Ian Reid**

Department of Medicine, University of Auckland, 0044 0 2087 400 251

*Mechanisms of bone erosion in chronic tophaceous gout, 18 months, \$119,197*

**Dr Sunia Foliaki**

Centre for Public Health Research, Massey University, 04 380 0618  
*Cancer in Pacific populations, 36 months, \$68,582*

**Dr Catherine Gilchrist, Associate Professor Lai-Ming Ching**

Auckland Cancer Society Research Centre, University of Auckland, 09 373 7599 ext 86938  
*Ubiquitin-Proteasome pathway function and cancer, 18 months, \$109,189*

**Dr Elizabeth Ledgerwood, Dr Ian Morison**

Department of Biochemistry, Otago School of Medical Sciences, University of Otago, 03 4795195  
*Utility for a cell-death mutation from a healthy family? 12 months, \$121,205*

**Professor Kathryn McPherson, Dr Matire Harwood, Dr Mark Weatherall, Dr Harry McNaughton, Associate Professor Richard Seigert, Professor Mark Ylvesaker**

Division of Rehabilitation & Occupation Studies, Auckland University of Technology, 09 917 9999 ext 7110  
*Goal setting in rehabilitation: two new approaches in acquired brain injury, 12 months, \$107,908*

**Dr Benjamin F Miller, Professor George A Brooks**

Department of Sport & Exercise Science, University of Auckland, 09 373 7599 ext 86607  
*Use of exercise and nutrition for increased muscle quality in older individuals, 12 months, \$81,298*

**Mr Stephan Milosavljevic, Associate Professor Peter Milburn, Dr Allan Carman, Professor Jack Callaghan**

Department of Physiotherapy, Otago School of Medical Sciences, University of Otago, 03 479 7193  
*Cumulative loads on the body in wool harvesting, 18 months, \$121,132*

**Dr Johanna Montgomery**

Department of Physiology, University of Auckland, 09 373 7599  
*Functional incorporation of new brain cells into existing neuronal networks, 18 months, \$112,532*

**Dr Cliona Ni Mhurchu, Dr Anthony Rodgers, Mr Andrew Jull, Dr Harry Prapavessis**

Clinical Trials Research Unit, Auckland UniServices Ltd, 09 373 7599 ext 84494  
*Feasibility study of a novel strategy to increase physical activity in children, 12 months, \$123,467*

**Ms Suzanne Pitama, Professor Mark Richards, Mr Paul Robertson, Dr Vicky Cameron, Dr Matea Gillies**

Department of Public Health & General Practice, Christchurch School of Medicine and Health Sciences, University of Otago, 03 364 3635  
*Feasibility study to determine cardiovascular health in Maori communities, 12 months, \$108,070*

**Associate Professor Susan Stott, Dr Sharon Walt**

Department of Surgery, University of Auckland, 09 373 7999 ext 82861

*Measurement of functional activity in children with cerebral palsy: a pilot study, 24 months, \$105,056*

**Dr Gail Tipa, Miss Eleanor Murphy, Dr Guy Penny**

Tipa and Associates, 03 489 4534

*Improving Maori health wellbeing through kaitiakitanga, 24 months, \$120,000*

**Ms Benita Wakefield, Mrs Miriama Kahu, Ms Keri Lawson Te-Aho, Mr Bevan Tipene Matua, Dr Ailsa Smith**

Te Tai O Marokura Trust, 03 319 6443

*Socio-political impacts of health policies on Maori within Te Waipounamu, 18 months, \$123,525*

**Dr Guy Warman, Dr Antonio Fernando, Ms Chris Inglis,**

Department of Anaesthesiology, University of Auckland, 09 623 6588 ext 28426

*A survey of circadian-related sleep disorders in the New Zealand blind community, 15 months, \$125,000*

**Ms Janice Wenn, Professor Chris Cunningham**

Research Centre for Maori Health & Development, Massey University, 04 380 0627

*Developing Quality Standards for Kaupapa Hauora Services: an interactive study, 36 months, \$84,621*

**Dr Sarah Young, Dr Vernon Ward, Dr Kenneth Beagley, Dr Margaret Baird**

Department of Microbiology, Otago School of Medical Sciences, University of Otago, 03 479 9084

*Virus-like particles to deliver a 'wipe on' vaccine against Chlamydia, 12 months, \$102,710*

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