

1998

- A study of the epidemiology of allergy to Jack Jumper ant stings, and a descriptive retrospective analysis of cases in Southern Tasmania.
Dr Simon Brown, RHH Director of Emergency Medicine
- An evaluation of the low dose Synacthen test for the detection of secondary adrenal insufficiency
Dr John Burgess, RHH
- A study to determine the role of miniature Langerhans cells in the development of the skin immune system
Dr K Doherty
- A cross sectional study of the role of gender, pubital stage, linear growth and physical ability in knee cartilage development in children
Dr G Jones, Menzies Centre
- A multi centre trial of a variable hip abduction brace, and Botulinum Toxin A, in the conservative management of hip dysplasia in children with cerebral palsy
Dr A Larsen
- Investigation into the effects of the removal of DMSO prior to stem cell transplantation and whether this is a feasible clinical practice in cancer treatment
Dr Scott Ragg, Senior Scientist, Royal Hobart Hospital
- Study into the anti-thrombotic treatment in patients with atrial fibrillation
Dr Janet Vial

1999

- Research into the treatment of allergic reactions to Jack Jumper Stings
Dr Simon Brown & team
- A study of iodine nutrition and thyroid disease in pregnant women
Dr John Burgess, RHH
- Investigation into the individual's response when infected with the bacterium campylobacter which has been associated with Guillain-Barre Syndrome
Dr Bruce Taylor, Director, RHH Neurology Department
- An international collaborative study to discover the genes responsible for the eye disease glaucoma
Dr David Mackey
- A study of Tasmanian family members to discover the genetic alterations that increase the chances of inheriting Familial Papillary Thyroid Cancer.
Dr Jan Williamson & Dr Anne Duffield

- Team project to identify particular strains of the bacterium *Campylobacter jejuni* which cause gastro enteritis
Dr Jan Williamson & team
- Laboratory study using mice, with international implications for people who suffer from some sort of auto immune condition such as; diabetes, multiple sclerosis or lupus.
Dr Greg Woods and team, Pathology Department, UTAS

2000

- Project to identify DNA sequences to differentiate between those strains of the bacterium *Campylobacter jejuni* that are associated with the development of Guillain Barre Syndrome (GBS) and those which produce only a self limiting gastroenteritis.
David Jones, RHH Hospital Scientist/MSc student
- Identification of genes causing congenital cataract in order to better understand this condition.
Kathryn Flowers, PhD Student/ Menzies Centre
- Regaining control of Leukaemia cell growth – a study to mimic the biological effects of treatment with ceramide in leukaemia patients
Charles Connor, RHH Oncology Lab Assistant/PhD student
- Practical research project to quantify the outcomes of anti-thrombotic therapy in patients with abnormal heart rhythm (atrial fibrillation)
Shane Jackson, RHH graduate assistant/PhD Student
- Investigation of delayed platelet recovery in bone marrow transplant patients
Nicole Wiggins, RHH Senior Scientist/MSc student

2001

Major grants

- The link between para-suicide, completed suicide and service utilisation in Tasmania
Dr Brett Daniels, Discipline of Psychiatry, UTAS
- Hip Cartilage volume in healthy adults: normative data, gender differences and relationship to knee cartilage, cartilage biochemistry and lifestyle factors.
Dr Graeme Jones, Menzies Centre
- Roles of the lateral flagellum in bacterial-host interactions
Assoc. Prof. Sylvia Kirov , Pathology UTAS
- The use of proteomics for protein characterisation of the diseased state
Dr Roger Lord, Department of Surgery, UTAS
- Clinical significance of expression of the bone marrow homing receptor, CXCR4, on human CD34+ stem cells
Dr Scott Ragg, Senior Scientist, RHH

- Multi-centre “B-Aware” trial with the Aspect A2000 BIS monitor
Dr Stephen Swallow, Anaesthetist, RHH
- Assessment of the cross reactivity between anti campylobacter antibodies and anti ganglioside antibodies in human neuropathic disorders
Dr Bruce Taylor, Neurology RHH
- Taxol: a new treatment for preventing neuronal degeneration following brain trauma?
Dr James Vickers, Pathology UTAS
- A program of investigations into the immunopathology of asthma
Prof. Haydn Walters, Clinical School UTAS

Starter grants

- Is leather better after all? A comparison of two styles of wrist splints and their effectiveness in reducing pain and improving function in patients with wrist pain resulting from rheumatoid arthritis, osteoarthritis or a wrist injury.
Ms Jill Thiele, Senior Occupational Therapist & Mrs Wendy Rowell, Manager, Occupational Therapy Department, RHH
- Profile of patients readmitted to the triage and short stay unit of the Department of Psychological Medicine, RHH, within 28 days of a prior admission and identification of associated risk factors.
Mr Tony Weare, Clinical Nurse & Ms Katrina McDonald, Clinical Nurse, Department of Psychological Medicine, RHH
- Program to promote the prevention of osteoporosis in patients receiving corticosteroid therapy.
Mr Mark Naunton, PhD Student, School of Pharmacy, Prof G M Peterson, Professor in Pharmacy, Dr M D Bleasel, Specialist Pharmacist, Royal Hobart Hospital
- Assessment of dendritic cells and their activation in human brain tumours and soft tissue sarcomas: implications for immuno-therapeutic treatments.
Dr M F Havlat, Staff Pathologist, RHH & A/Prof David Challis, Director Anatomical Pathology, Royal Hobart Hospital
- Proteome analysis of breast cancer. Part one of the study will look at the differences in biological markers of breast cancer in two populations of women, and the second part will attempt to map the breast cancer tissue to better target vaccines or pharmaceutical drugs.
Dr Kiron Bhatia, Surgical Trainee; Dr Roger Lord, Lecturer in Surgery, Professor P D Stanton, Professor in Surgery, UTAS

B.G. Thomas Bequest Grant

- α -Synuclein: a possible therapeutic target for inhibiting the neuro-degeneration of Parkinson’s disease.
Dr James Vickers & Dr Marek Havlat; Pathology Department, UTAS

Starter grants – second round

Vascular access device tracking tool – this is to be developed to ascertain accurate denominator data in order to provide a rate of infection associated with these devices.

Pam Sykes and Melinda Griffiths; RHH Infection Control

Prognostic factors in plasma cell disorders – developing better knowledge of the clinical course of patients with multiple myeloma (MM) and monoclonal gammopathy of uncertain significance (MGUS), a disorder that may precede myeloma, will enable better treatment choices

Dr EM Tegg; RHH Haematology Registrar, Dr KA Marsden; RHH Director of Pathology and Ms S Heard; RHH Scientist in Charge

Erythrocyte autoimmunity generated following cardiopulmonary bypass surgery

Dr WY Yeo; RHH Surgical Trainee, Dr Roger Lord; UTAS Lecturer in Surgery and Prof PD Stanton; UTAS Professor of Surgery

Role of the AP-1 transcription complex in lipid-induced differentiation of Leukaemia cells

Ms Jo Burrows; UTAS Research Assistant, Ms Olivia McQuestion: UTAS Science Honours student and Dr Scott Ragg; RHH Senior Scientist

Stereoselective metabolism of salbutamol as a determinant of the response in acute asthma

Dr GA Jacobson; Lecturer, UTAS School of Pharmacy, Assoc. Prof SM McLean; UTAS School of Pharmacy, Dr R Wood-Baker; RHH Respiratory Specialist

Confirmation of altered gene expression in terminally differentiating human Leukaemia cells using Real-Time RT-PCR

Sandrine Chopin; UTAS Research Assistant, Charles Connor; UTAS Ph. D student and Dr Scott Ragg; RHH Senior Scientist

Mazda Foundation Grants

QAH Physiotherapy abdominal muscle assessment during and after pregnancy – Part 4.

Heather Gouldthorpe; RHH Senior Physiotherapist, Leonie Scott; Manager, RHH Physiotherapy Services and Dr Kris Barnden; RHH Registrar, Obstet. and Gynaec.

Measuring fear of falling in the acute setting and its correlation with a validated measure of mobility and function.

Ann Shaw; RHH Senior Physiotherapist

Relocation for medical treatment: Impact on patients and families and implications for delivery of health services

Janet Whelan; Manager, RHH Social Work Services, Bill Folkerts; RHH Social Worker and Margaret Dugon; RHH Social Worker

2002

Major Grants

The role of pro and anti inflammatory cytokines in the progression of multiple sclerosis and the occurrence of relapses of multiple sclerosis, and the relationships of cytokine profiles in MS patients to environmental UV exposure and vitamin D metabolism

Dr Bruce Taylor, Head of Neurology RHH, Dr Fotini Pitas, Prof Haydn Walters

Investigation of potential environmental sources of human *Campylobacter* infections.

Dr Jan Williamson; RHH Molecular Medicine Laboratory, Dr Bruce Taylor; RHH Head of Neurology

Identifying the genes that halt the growth of leukaemia cells

Ms Jo Burrows; Research Assistant UTAS Dept. of Medicine, Dr Scott Ragg; RHH Stem Cell Laboratory

Factors affecting the rehospitalisation of patients with schizophrenia at the Royal Hobart Hospital.
Dr Brett Daniels, UTAS Lecturer in Psychiatry, Dr Philip Reid, Professor Kenneth Kirkby, Dr Milford Macarthur

The Tasmanian Epilepsy Register Health Study.
Prof Terry Dwyer; Menzies Centre, Dr W D'Souza, Dr Bruce Taylor

Cancer prevention in Barrett's oesophagus: Celecoxib and in vivo assessment of COX-2 expression in metaplastic and dysplastic oesophageal epithelium.
Dr GA Jacobson; UTAS School of Pharmacy, Dr S Chung, Prof GM Peterson, Dr GD Lin and Assoc Prof SP Myers

Airway inflammation, angiogenesis and structural remodelling in Asthma, their inter-relationship and relative responses to steroids.
A/Prof D.P. Johns; UTAS School of Medicine, Dr D.W. Reid; Alfred Hospital Melbourne

Characterisation of the immunosuppressive protein (LSF-1)
Dr Roger Lord; UTAS Lecturer (Surgery), Professor Peter Stanton; UTAS

Investigation of mutations in OPA1 gene in glaucoma families seen by the GIST study
Assoc. Prof David Mackey; Ophthalmologist, Eye Clinic RHH, Dr Jamie Craig; Centre for Eye Research Australia

Improving the outcomes of anticoagulation: an evaluation of home follow-up of warfarin therapy
Prof GM Peterson; UTAS School of Pharmacy, Dr JH Vial; UTAS, Dr DML Jupe: RHH, Ms C Boland; RHH

Identification of genes causing congenital cataract.
Dr M Sale; Menzies Centre, Ms Kathryn Flowers, Dr J Dickinson

Clinical validation of Tasmania's salmonid industry diving decompression schedules by Doppler assessment of decompression stress.
Dr David Smart; RHH Diving & Hyperbaric Medicine Unit, Mr C Van Den Broek, Dr PD Cooper, Dr M Walker, Sr. C Baines, Mr RY Nishi, Mr D Eastman, Mr D Lacey

Molecular identification and characterisation of mini P-glycoproteins.
Dr C.M. Trambas and Dr G.M. Woods; UTAS Clinical School

Analysis of reduced IFN- γ and increased IL-12 (p40) as a mechanism contributing to carcinogen induced immunosuppression.
Dr Zemin Wang; Research Fellow UTAS School of Medicine, Dr Greg Woods and Prof Konrad Muller; UTAS Pathology

2003

Major Grants

- Increasing delay in nursing home placements from the Royal Hobart Hospital; contributing factors and potential solutions
Nr Natan Ayele; Mrs Janet Whelan, Ms Tracey Turner

- Stage 1: 35-year follow up of the Tasmanian Asthma Study: a unique collaborative opportunity
Prof Haydn Walters; Dr S Dharmage
- Acute exacerbations of COPD and asthma; an analysis of inflammatory mediators in sputum and their relationship to airway infection and response to treatment
Dr David Reid; Dr R Wood-Baker and Prof EH Walters
- Does a decrease in pulmonary blood volume induced by exercise elicit a "compensatory" increase in the lung membrane diffusion capacity?
Assoc. Prof David P Johns; Dr Justin Walls and Dr R Wood-Baker
- Investigations of the ApoE gene as a contributory factor to vision loss from Leber hereditary optic neuropathy
A/Prof David Mackey; Assoc. Prof James Vickers
- Genetic and proteomic characterisation of *Pseudomonas aeruginosa* isolates from Tasmanian cystic fibrosis patients
Dr Alan Champion; A/Prof SM Kirov and Dr DW Reid
- Targeting biofilms and persistent lung infection in cystic fibrosis to develop new therapeutic interventions
A/Prof Sylvia Kirov; Dr DW Reid and Dr AC Champion
- Tasmania: a selenium-deficient State? A population-based assessment of selenium status
Prof Greg Peterson; Dr GA Jacobson, Prof MJ Ball and A/Prof JH Vial
- The MSR1 gene and risk of prostate cancer in the Tasmanian population
Dr J. McKay; Dr Jo Dickinson, Prof A Easteal and Dr Stankovich
- Routine autotransplantation versus routine preservation in situ of the parathyroid gland during total thyroidectomy
Prof P Stanton; Mr S Wilkinson, Dr C Semple, Dr A Hewitt and Dr T Corlette
- Development of a screen for AML1 target genes
Dr Adele Holloway; Dr Scott Ragg
- The relationship between neuronal trauma and the cell adhesion molecule L1
Dr Tracey Dickson
- Bone density and vertebral deformity: prevalence and determinants in a representative elderly sample (the TASSOAC study)
A/Prof Graeme Jones

Zonta Club of Queenborough Grant for autoimmune disorders

- Mechanisms of osteoporosis and vertebral fractures in rheumatoid arthritis
Dr VK Srikanth and Assoc. Prof Graeme Jones

2004

Major Grants

- Genetic diversity of Tasmania *Pseudomonas aeruginosa* clinical and environmental isolates

Mr R Bradbury, Dr AC Champion & Dr DW Reid

- Identification of genomic regions implicated in hereditary prostate cancer in Tasmania by genome-wide scan

Dr JD McKay, Dr J Dickinson & Miss L. Fitzgerald

- Pharmacoproteomic investigation of Barrett's Oesophagus and Proton Pump Inhibitor therapy

Dr G Jacobson, Dr R Lord & Dr S Chung

- Assessing the ability of metallothionein to promote functional recovery in an animal model of traumatic spinal cord injury

Dr RS Chung, Dr MI Chuah & Prof JC Vickers

- Describing the cystic fibrosis lung microenvironment: How airway pH is affected by bacterial metabolism and the host inflammatory response

Dr DW Reid & A/Prof SM Kirov

- The measurement of airway distensibility as an index of bronchodilator response and irreversibility of airflow limitation in asthma

A/Prof DP Johns, Dr J Walls & D T Gale

- A comparison of non-antimicrobial moist wound dressings with antimicrobial dressings in the management of partial thickness burn injuries

Mr C Quarmby, Mrs S Clennett & A/Prof F Kimble

- Correlation of disability, fatigue and depression measures in multiple sclerosis with magnetic resonance imaging measures of lesion load, atrophy and diffusion within normal – appearing white matter.

Dr DL Jones, Dr BV Taylor, Dr F Pittas & Mr G McInerney

- The cytokine profile of recently diagnosed multiple sclerosis patients: confirmation of the Th1/Th2 theory of CNS autoimmunity and investigation of seasonal factors on cytokine profiles

Dr NJ Stewart & Prof EH Walters

- Increasing continuity of care, and decreasing the cost of medications, through better management of patients' own medications

Ms. MJ Watts, Ms CI Drake & Mr TW Simpson

- Chronic *Pseudomonas aeruginosa* lung infection in cystic fibrosis

A/Prof SM Kirov & Dr DW Reid

- Investigation of patho-physiological processes underlying clinical variations in smoking-related COPD

Prof EH Walters & Dr R Wood-Baker

- Improving antibiotic usage through the implementation of an on-line antibiotic monitoring and decision support package

Ms C Drake, Dr A McGregor & Dr L Cooley

- Rheumatoid arthritis, osteoporosis and vertebral fractures – a risk factor study

Dr V Srikanth & A/Prof G Jones

- A proteomics approach to the identification of novel immune suppressor factors in neonatal skin

Dr GM Woods & Dr JR Lord

Homer genes and their role in the wiring of the brain's electrical circuit
Dr LC Foa

- Rapid detection of *Neisseria meningitidis* DNA by LightCycler PCR
Ms D Venetsanakos, Dr J Williamson & Dr L Cooley

2005

Major Grants

- Cystic fibrosis patients express glycosylated group 1 pili that confer a survival advantage in the CF lung environment
Dr AC Champion & Dr DW Reid
- Vitamin D Deficiency in skin cancer development
Dr GM Woods, Prof HK Muller & Dr RC Malley
- Development of the skin immune system and the effect of exposure to sunlight
Dr GM Woods & Prof HK Muller
- Evaluating the effects of cerebral white matter lesions in cognition, gait and balance in a population-based sample of older Tasmanians
Dr V Srikanth, Prof D Reutens & Dr T Phan
- The Tasmania Parkinson's Disease Research Project: A Feasibility study
A/Prof A Venn, Dr J Dickinson, Dr V Srikanth & Dr J Rubio
- Lower segment caesarean section (LSCS) – Pelvic floor and low back pain outcomes for women following childbirth
Ms Heather Gouldthorpe & Ms Sarah O'Loughlin
- Iron, *Pseudomonas aeruginosa* and lung disease in cystic fibrosis
Dr DW Reid
- Identification of glaucoma causing genes through a cytogenetic study
A/Prof DA Mackey, Mrs S Heard & Dr AW Hewitt
- Traumatic Brain Injury (TBI) coding: Consensus position in TBI Diagnosis
Ms KM Marsden & Dr M Slatyer
- Predicting outcome following traumatic brain injury (TBI)
A/Prof C Skilbeck, Dr M Slatyer & Dr A Bell
- Alzheimer's Disease: 'Mass effect' of B-amyloid plaques leads to dementia
Dr TC Dickson & Prof JC Vickers
- An evaluation of nurses' knowledge, attitudes and practice in acute wound management
Dr A Robinson, Mrs J Stewart, Mrs S Clennett & Mrs Anne Smith

Starter Grants

- Prevention of Venous Thromboembolism in Medical Patients: the Evaluation of an Intervention Program
Mr L Bereznicki, Dr GM Peterson, A/Prof J Vial & Dr D Jupe
- Isolation and Identification of the Proteins Involved in Early Onset Breast Cancer
Miss K Roberts, Dr RJ Lord & A/Prof P Stanton
- Factors that cause anxiety for carers of cardiac surgery patients
Sue Sanderson & Cecily Pollard
- A comparison of the Chronic Disease Self Management Programme plus supervised exercise (CDSMP-EX) with the Chronic Disease Self-Management Programme alone (CDSMP-Only) for people with Chronic Obstructive Pulmonary Disease (COPD) or systolic Chronic Heart Failure (CHF)
Mrs H Cameron-Tucker, Dr R Wood-Baker, Dr C Owen & Mrs L Joseph
- Langerhans Cells: From birth to maturity
Dr AJ Castley, A/Prof Kimble Dr RC Malley & Dr G Woods

BG Thomas Post-doctoral Research Fellowship; 2005 - 2006

- Nerve cell plasticity and the neuropathology of Parkinson's disease and related disorders
Dr Tracey Dickson

2006

Starter Grants

- A study of Tasmanian outcomes in Intensive Care (STOIC) Pilot Study
Marsden, K; Turner, A; Bell, AJ; Beswick, A
- Improving medical handover: An investigation of factors impacting on medical handover and the development of mechanisms for improving its efficiency and effectiveness.
Yee, KC; Turner, O; Hancock, N; Walters, H

Major Grants

- A longitudinal study of bone development and fracture risk in the early pubertal years
Prof Graeme Jones
- Short versus conventional course of oral corticosteroid for acute exacerbations of COPD; a randomised controlled trial
Dr David W Reid
- The role of mast cells in smoking related airway disease
Prof E Haydn Walters
- Mechanism of metallothionein action on injured neurons
A/Prof Adrian K West
- Alzheimer's disease: amyloid plaques "mass effect" leads to neurodegeneration and dementia
Dr Tracey C Dickson

Post-doctoral research fellowships; 2006 - 2007

- *Pseudomonas aeruginosa* isolated from cystic fibrosis patients; investigation into virulence of bacterial variants (genetics, proteomics, type IV pili and adhesion)

Dr Louise Roddam

- Continuing research into cystic fibrosis, within the University of Tasmania Medical School's cardio-respiratory research group

Dr Kevin Sanderson

2007

NHMRC recommended category grants

- Axon regeneration in the mature CNS
Prof James Vickers
- Risk factors for BHR in middle age: a prospective study from childhood to middle age
Prof Haydn Walters
- Whether a 3 day course of systematic corticosteroids is as effective as a 14 day course in the treatment of acute exacerbations of COPD
Dr David Reid
- Switching genes on in immune cells
Dr Adele Holloway

Grants for new research

- Neutrophil function in patients with cystic fibrosis
Dr Silvana Bettiol
- The role of erythropoietin receptors in monocytes and macrophages in chronic kidney disease
Dr Matthew Jose
- Pilot study of insulin resistance in severe sepsis
Dr Andrew Turner
- Protection of the brain from infection: Immune properties of olfactory ensheathing cells
Assoc Prof Inn Chuah
- *Starter grant* - The role of Vitamin D and its receptor in the action of T regulatory cells, a set of cells important in the prevention of autoimmune diseases
Dr Niall Stewart

Sykes family post-doctoral respiratory medicine research fellowships; 2007 – 2009

- **Dr Amir Soltani**
- **Dr John Marrone**

Additional funding generated for “Jack Jumper” research

- Funding passed to Jack Jumper research project

2008

Private foundation special equipment grant

- Beckman-Coulter Quanta Flow Cytometer with multiplexing assay capability

Public Trustee Tasmania; Arthur Hewett estate equipment purchase

- ComboMap Flow System and associated equipment; heart disease

Private foundation post-doctoral fellowship funding; 2008 – 2012

- Combined funding over the five years
- **Dr David Reid**; respiratory medicine, three years 2008 – 2010
- **Dr Liz Tegg**; Tasmanian Familial Haematological Malignancy study, three years funding 2008 - 2010

NHMRC recommended category grants

- **Dr David Reid**; three projects provided with support
- The effects of vitamin D supplementation bone density in vitamin D insufficient teenagers: a randomised controlled trial
Dr Tania Winzenberg
- Epidemiology of middle-age BHR: prospective study from childhood to middle-age
Prof Haydn Walters
- Elucidation of the role of a novel susceptibility gene in prostate cancer
Dr Joanne Dickinson

The “Sam Badcock and family” bowel cancer research grant

- Colorectal medicine and genetics: linkage studies in hyperplastic polyposis syndrome
Dr David Amor

New research and starter grants

- Study of Tasmanian outcomes in intensive care (STOIC-2) 24 month follow-up
Kathryn Marsden
- The role of adipocytokines in painful neuropathies associated with type 2 diabetes mellitus
Dr Michael Dreyer
- Do mediators produced by the bacterium *Pseudomonas aeruginosa* prevent the immune system from "switching off" in cystic fibrosis sufferers?
Dr Niall Stewart

- Evaluation of somatosensory cortical plasticity in carpal tunnel syndrome with paired transcranial magnetic stimulation
Dr Michael Dreyer
- Whole lung lavage for pulmonary alveolar proteinosis – a survey and database on anaesthetic and procedural technique and clinical data
Dr David Canty

2009

Private foundation special research equipment purchases

- Roche LightCycler 480 Real Time PCR System, Refrigerated Centrifuge, Leica ASP 200 Tissue Processor, 16 position Mini-BeadBeater, Peristaltic pump and flow-cells for biofilm work, Leica DFC495 camera – total funding:

2010

Special grant for research program

- Seeding grant to assist in 2010 with the establishment of a full research program
Prof Richard Turner

Starter and new research grants

- PPAR-gamma as a therapeutic target in cystic fibrosis and chronic obstructive pulmonary disease
Dr Margaret Cooley
- Identifying novel markers of neonatal sepsis
Dr Antonio de Paoli
- Assessing the role of metallothionein in the development of non-melanoma skin cancer
Dr Heather McGee
- A qualitative assessment of telephone delivered health mentoring for people in the community with Chronic Obstructive Pulmonary Disease (COPD)
Dr Julia Walters
- Assessment of core musculature in ankylosing spondylitis by magnetic resonance imaging (MRI) and dynamic ultrasound (US)
Dr Jane Zochling
- Best practice and the care of older persons with dementia in the Emergency Medicine Department; a critical ethnography
Prof Andrew Robinson
- S100B predicting cognitive recovery following traumatic brain injury
Dr David Tuck