

## Record of funding provided by the RHH Research Foundation

### 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 immature 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*

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- $\gamma$  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 Eastal 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**

*Sypkes 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*

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

## **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**

## **2011**

*Special grant for research program*

**Dr David Reid**; extension fellowship respiratory medicine, initially three years 2008 – 2010, one further year 2011

**Dr Liz Tegg**; extension fellowship Tasmanian Familial Haematological Malignancy study, initially three years funding from 2008 – 2010, two further years 2011 – 2012

Grant to assist in 2011-13 with the employment of a post-doctoral Research Fellow

**Prof Matthew Jose**

Grant to assist in 2011-13 with the completion of further post-doc studies

**Dr. Victoria Trubody**

Funding for Research Fellow Level B Step 4 years 1 & 2 for NW practice development. Plus seed funding for NW practice development.

**Prof Andrew Robinson**

Grant to assist in 2010 with the establishment of a respiratory research fund – second instalment

**Prof Richard Wood Baker**

*Clinical research grants*

Identification of a new target for therapy in cystic fibrosis lung infections

**A/Prof Margaret Cooley**

Managing Chronic Obstructive Pulmonary Disease (COPD) Together: Participant-CENTREd Continuum of Care. A comparison of telephone health-mentoring, home-based walking and rehabilitation with rehabilitation only

**Dr Helen Cameron-Tucker**

Multicentre randomised controlled trials of minimally-invasive surfactant therapy in preterm infants on continuous positive airway pressure

**Dr Peter Dargaville**

A pilot pharmacokinetic study of the interaction between two systemic Complementary and Alternative Medicines and standard therapy in patients with active malignancy.

**Prof Raymond Lowenthal**

Biomarkers to identify intensive care patients who are at risk of neuropsychological damage.

**Dr Andrew Turner**

*Starter Research grants*

Role of *Acanthamoeba* in Intensive Therapy Ward Infections

**Dr Richard Bradbury**

Transcriptome analysis for predicting response to radiotherapy in prostate cancer patients.

**Dr Jo Dickinson**

Executive functioning and everyday performance in early school age children born less than 32 weeks gestation.

**Sari O'Meagher**

Factors influencing the outcomes of therapy with the anticlotting medication, clopidogrel, in patients with acute coronary syndromes.

**Professor Gregory Peterson**

Evidence to practice gap: factors that influence practices to prevent blood clots following hip and knee replacement surgery.

**Professor Gregory Peterson**

Investigations of the chemical and physical stability of iron polymaltose intravenous infusions.

**Troy Wanandy**

## **2012**

*Research fellowship funding; 2012 – 2014*

Environmental and genetic factors that influence the onset and progress of multiple sclerosis

**Associate Professor Bruce Taylor**

*Clinical Research grants*

Vitamin D and the immune response in asthma, chronic obstructive pulmonary disease and healthy subjects

**Associate Professor Richard Wood-Baker**

Multicentre randomised controlled trial of minimally-invasive surfactant therapy in preterm infants 25-28 weeks gestation on continuous positive airway pressure

**Associate Professor Peter Dargaville**

A double blind randomised controlled trial to evaluate the efficacy of 20,000IU/wk cholecalciferol in reducing respiratory tract infection in a cohort of healthy young adults

**Associate Professor Bruce Taylor**

Core muscles in an elderly population: predictors and associations with physical function

**Dr Michele Callisaya**

S100B Predicting Recovery following Cognitive Recovery following Traumatic Brain Injury

**Mr David Tuck**

Mild cognitive impairment, gait and falls – A population-based study

**Dr Michele Callisaya**

*Starter Research grants*

Do adaptive T regulatory cells or activated T cells dominate in cystic fibrosis?

**Dr Sean Begg**

The effect of vitamin D and Interferon-beta on the immune response

**Associate Professor Bruce Taylor**

Determining the mechanism underlying post-operative cognitive decline

**Dr Nico Terblanche**

Automated control of inspired oxygen concentration in preterm infants

**Dr Kevin Wheeler**

Assessment of Cardiac Iron Deposition by MRI in Dialysis Patients

**Dr Geoff Kirkland**

*Donor specified grants – Rotary Tasmania*

Outcomes of antithrombotic therapy in a new era: the Tasmanian experience

**Mrs Leanne Chalmers**

*Donor specified grant – MyState Foundation*

Contribution to the purchase of an air-oxygen blender to be used as part of the Neonatal Project – Automated control of inspired oxygen concentration in pre-term infants

**Associate Professor Peter Dargaville**

## **2013**

*Clinical Research grants*

The role of epigenetic changes in the progression of clinical disease in Multiple Endocrine Neoplasia Type 1 (MEN1)

**Professor John Burgess**

Effect of vitamin D supplementation of the currently used dosage regime of 400 IU/d on vitamin D levels in infants

**Professor Graeme Jones**

Scientific title: Towards a better understanding of uraemic molecules

**Professor Matthew Jose**

Spironolactone in myocardial dysfunction with reduced exercise capacity (STRUCTURE)

**Professor Thomas Marwick**

Examining the role of blood lipids and apolipoproteins on the progression of MS in a prospective clinical cohort

**Professor Bruce Taylor**

*Starter Research grants*

Neuroprotective function of novel short chain-quinones

**Associate Professor Paul McCartney**

Management of post-operative pain and the progression to persistent post-operative pain

**Dr Chris Orlikowski**

The physical and chemical stability of amoxicillin, daptomycin and quinupristin/dalfopristin in Dianeal, Extraneal or Fresenius peritoneal dialysis solution under three different storage conditions

**Mr Troy Wanandy**

## **2014**

### *Clinical Research grants*

Tasmanian Iodine Nutrition Collaboration (TasINC) Capacity Building Grant

**Dr Kristen Hynes**

Epithelial mesenchymal transition (EMT) in the lungs of patients with chronic obstructive pulmonary disease (COPD) and lung cancer undergoing thoracotomy: role in both airway fibrosis and lung cancer

**Dr Sukhwinder Sohal**

Making it count: Establishment of the Conception to Community Public Services Database

**Dr Amanda Neil**

Executive functioning and everyday performance in early school age children born less than 32 weeks gestation  
STAGE 2

**Mrs Sari O'Meagher**

The relationship between Immunoglobulin E (IgE), disease severity and the immune response in multiple sclerosis

**Professor Bruce Taylor**

Microvascular dysfunction in adult offspring of type 2 diabetics

**Dr Michelle Keske**

### *Starter Research grants*

Bariatric surgery in Tasmanian public hospitals: investigating health service use, costs, and policy options

**Professor Alison Venn**

Novel Molecules of Heparin for the management of asthma

**Dr Cameron Hunter**

Making it Count: Growing together Perinatal Intervention to Foster Secure Relationships of Infants with Teenage Mothers and Fathers in Southern Tasmania

**Dr Fiona Wagg**

Examination of the mechanism of action of two pre-quit pharmacotherapies for smoking cessation

**Dr Stuart Ferguson**

Mechanistic studies of Jack Jumper Venom desensitisation at the T cell level

**Dr Bruce Lyons**

Dementia-related presentations at the Royal Hobart Hospital - A pilot program for redesigning statewide clinical care pathways involving Tasmanian residential aged care facilities (RACFs)

**Dr Michael Annear**

Assessing the validity of non-invasive methods to estimate central blood pressure (BP)

**Dr Martin Schultz**

## 2015

### *Clinical Research grants*

Prevalence and virulence of an emerging bacterial pathogen of Tasmanian cystic fibrosis patients

**Dr Louise Roddam**

Development of a therapeutic agent for chemotherapy-induced neuropathy

**Professor Bruce Taylor**

Profiling and functional studies of drug transporters in colorectal cancer: a pilot study in Tasmanian patients

**Dr Louise Nott**

Development of a decision support smartphone app to improve antithrombotic prescribing in atrial fibrillation

**Dr Leanne Chalmers**

Non-anticoagulant molecules of heparin for the management of ulcerative colitis

**Dr Rahul Patel**

Finding the right ventilator settings in patients with respiratory failure

**Dr Graeme Zosky**

### *Starter Research grants*

Using commercially available technology to increase intensity of practice after stroke

**Dr Michele Callisaya**

Novel Molecules of Heparin for the Management of Asthma

**Dr Niall Stewart**

Preventing breast and gynaecological cancers in women with hereditary cancer syndromes

**Dr Jo Burke**

Is *Haemophilus haemolyticus* a pathogen

**Mr Roger Latham**

### *Project Grant for 2015-17*

The psychosocial determinants of treatment pathways, clinical outcomes and costs in Tasmanians with advanced chronic kidney disease

**Dr Charlotte McKercher**

## 2016

### *Establishment Research grants*

Assistive technology for motor rehabilitation

**Dr Andreas Duenser**

Improved clinical assessment of blood pressure

**Associate Professor James Sharman**

Study of automated neonatal targeting of oxygen – trial B (the SANTO-B study)

**Professor Peter Dargaville**



Determining the utility of a novel, modified anaesthetic airway device that facilitates upper gastrointestinal endoscopy and airway protection

**Clinical Associate Professor Marcus Skinner**

Mixed Meal Challenge: A new diagnostic test for screening pre-diabetes

**Dr Michelle Keske**

*Starter Research grants*

Study of automated neonatal targeting of oxygen – resuscitation study 1 (the SANTO-R1 study)

**Dr Sanoj Ali**

Linking exercise blood pressure to clinical outcomes: the EXERcise stress Test collaboratIOn (EXERTION) Tasmanian pilot study

**Dr Martin Schultz**

Investigating the physical and chemical Y-site incompatibility of injectable antifungals and parenteral nutrition solution

**Mr Troy Wanandy**

The Tasmanian electronic falls ascertainment tool (TASeFall)

**Dr Michele Callisaya**

Assessing the HR-HPV types in stored cervical excision samples for comparison with anal HR-HPV carriage in TasGANS

**Dr Steve Simpson, Jr.**

Investigating the burden of childhood fever on Tasmanian families and the Royal Hobart Hospital's Emergency Department

**Dr Bonnie Bereznicki**

*Project Grant for 2016-18*

Improved cardiovascular Disease hEALth service delivery in Australia (the IDEAL study)

**Dr Martin Schultz**

## **2017**

*Establishment Research grants*

Investigating the utility of retinal Base-Editing

**Assoc Prof Alex Hewitt**

Understanding the human ischemic cascade: Improving the process of drug development for cerebral ischemia

**Prof David Howells**

Clinical and metabolic factors and imaging abnormalities in chronic plantar heel pain

**Prof Graeme Jones**

Investigation of loss and gain at chromosome 7p21 in a Tasmanian hereditary prostate cancer family

**Dr Liesel FitzGerald**

Investigating Batten disease-causing CLN3 mutations in patient-specific stem cells and neurons

**Dr Anthony Cook**

### *Starter Research grants*

Non-conventional antimicrobial testing of emerging pathogens should more accurately predict antibiotic susceptibility for informing patient management

**Dr Louise Roddam**

Investigating the anti-inflammatory effect of a non-anticoagulant molecule of heparin following experimental traumatic brain injury

**Dr Nicole Bye**

Does hospital opioid prescribing increase the risk of chronic opioid use?

**Ms Felicity Veal**

Tracking the origin and spread of hospital-acquired infections using whole-genome sequencing

**Dr Ronan O'Toole**

Does vitamin D supplementation have long-term effects on knee osteoarthritis?

**Dr Benny Eathakkattu Antony**

Variability in plasma concentrations of glucosamine in osteoarthritis patients taking various glucosamine formulations

**Prof Gregory Peterson**

Identifying novel genetic loci associated with an increased relapse rate and disability progression in multiple sclerosis

**Mr Yuan Zhou**

### *Project Grant for 2017-19*

Paving the way for future stroke drug development: creating a new gold-standard model of stroke

**Dr Lila Landowski**

## **2018**

### *Minor Project Research grants*

Functional interrogation of a novel locus associated with the development of Giant Cell Arteritis

**Associate Professor Alex Hewitt**

Childhood and adulthood determinants knee cartilage health assessed using biomarkers

**Dr Benny Eathakkattu Antony**

A Clinical and Biospecimens Prostate Cancer Resource for Biomarker Research in Tasmania

**Dr Liesel FitzGerald**

The modulation of multiple sclerosis (MS) relapse risk by genetic variations in the LRP2 gene

**Dr Yuan Zhou**

Demonstration of therapeutic protection of human cystic fibrosis (CF) respiratory cells against bacterial-mediated inflammation and cell death

**Dr Sean Beggs**

Can anti-diabetic agents improve blood flow and outcome following stroke in type 2 diabetes?

**Dr Dino Premilovac**

### *Starter/Incubator Research grants*

The Peri-Peri project: the role of pericytes in placental function and perinatal outcomes

**Dr Brad Sutherland**

Continuous infusion of cephalosporins in elastomeric devices: physical, chemical and microbial stability

**Dr Rahul Patel**

CArdiac REhabilitation for the Secondary prevention of Stroke (CARESS)

**Associate Professor Seana Gall**

Cystic Fibrosis: Investigating the acute stage of infection by *Pseudomonas aeruginosa*

**Dr Mark Ambrose**

Assessment of the Basophil Activation Test as a tool for monitoring therapeutic responses to Jack Jumper Ant Venom Immunotherapy

**Mr Troy Wanandy**

### *Major Project Grant for 2018-20*

Identifying pathological pathways and putative therapeutics for the treatment of nervous system pathology in people with Multiple Sclerosis

**Dr Kimberley Pitman**

## **2019**

### *Incubator Research Grants*

Rapid antibody development for improved cancer immunotherapy diagnostics

**Dr Andrew Flies**

*(Generously funded by Jenny Mirkazemi and Family)*

Can Idebenone be used to reduce severity of stroke?

**Dr Dino Premilovac**

NutriCog Tas: Effective identification of older inpatients at risk of poor nutrition

**Dr Emma Lea**

*(Generously funded by an anonymous donor)*

Evaluation of the Tasmanian Elective Surgery Panel Project

**Dr Barbara de Graaff**

*(Generously funded by an anonymous donor)*

A fresh look at local practice to prevent blood clots following hip and knee replacement surgery

**Dr Corinne Mirkazemi**

Preventing pyridine exposure after peritoneal administration of Ceftazidime in patients with dialysis-associated peritonitis

**Dr Rahul Patel**

*(Generously funded by Jenny Mirkazemi and Family)*

Evaluating the need for an integrated geriatric medicine service for older general surgery and trauma patients at the RHH: a review of the prevalence and preventability of acute kidney injury

**Dr Noha Ferrah**

*Project Research Grants*

Clinical safety assessment of rTMS application for the treatment of MS

**Dr Carlie Cullen**

A smarter way to measure blood pressure

**Dr Dean Picone**

Is EEF2 a potential biomarker for more aggressive prostate cancer?

**Dr Liesel FitzGerald**

The Royal Hobart Hospital's innovative Rapid Access Chest Pain Clinic (RACPC): A health economic evaluation of the patient, RHH and community benefits

**Dr Julie Campbell**

The impact of repeated DNA damage on the molecular profile of prostate cancer cells

**Dr Kate Brettingham-Moore**

Understanding why mechanical ventilation contributes to mortality in critically ill patients

**Prof Graeme Zosky**

*Major Project Grant for 2019-21*

Health in Preconception, Pregnancy and Post-Birth (HIPPP): An antenatal lifestyle promotion program for the Royal Hobart Hospital.

**Dr Michelle Kilpatrick**