

FOUNDATION GRANTS - 2011

BRAIN SCIENCE RESEARCH

Professor Neville Knuckey

Centre for Neuromuscular and Neurological Disorders, University of Western Australia

"Assessment of potential neuroprotective stroke treatments."

Associate Professor Kay Double

Neuroscience Research Australia

"Helping the Parkinson's disease brain to help itself."

Dr Vladimir Sytnyk

Biotechnology and Biomolecular Science, University of New South Wales

"Search for the mechanisms of mental disorders inflicted by abnormalities in neuronal adhesion."

Professor Malcolm Horne

Neurodegeneration, Florey Institute of Neuroscience and Mental Health

"Faster sequencing of the genes involved in Parkinson's Disease."

Dr Mark Graham

Cell Signalling Unit, Children's Medical Research Institute

"Identification of the phosphor-regulated synaptic vesicle endocytosis machinery."

Dr Julie Whewey

Pathology, University of Sydney

"Endothelial cells and their microparticles as immunomodulators in cerebral malaria."

Dr Michael Weible

The Eskitis Institute for Cell and Molecular Therapies, Griffith University

"Micromanipulators for Live-cell investigations into role of calcium in human neuroepithelial stem cell migration."

Dr Gilles Guillemin

Medical Sciences, University of New South Wales

"Tryptophan metabolism in Neuroinflammatory & Neurodegenerative diseases."

Professor Paul Hertzog

Monash Institute of Medical Research

"Genetic research by Gene Expression analysis."

Dr Jacqueline M Orian

Department of Biochemistry, La Trobe University

"Development of an assay for pre-clinical evaluation of multiple sclerosis drugs."

Associate Professor Simon Koblar

Stroke Research, University of Adelaide

“Enhancing drug transport across the blood-brain barrier for effective treatment of neurodegenerative disorders.”

Professor Nicholas Hunt

Medical Sciences, University of Sydney

“Equipment to facilitate the study of bacterial meningitis.”

DIABETES RESEARCH

Professor Shaun Jackson

Blood Diseases, Monash University

“Identifying the haemostheological and biochemical mechanisms of platelet hyperactivity in Diabetes Mellitus.”

Associate Professor Maria Craig

Women’s and Children’s Health, University of New South Wales

“Early environmental determinants of pancreatic islet autoimmunity.”

Professor Michael Horowitz

Medicine, Royal Adelaide Hospital

“Measurement of superior mesenteric artery blood flow.”

Dr Mark Chong

the Walter and Eliza Hall Institute

“the conception of microRNA variation to type 1 diabetes susceptibility.”

Professor Ann Simpson

Medical & Molecular Biosciences, University of Technology Sydney

“Analysis of human liver cells engineered to store and secure insulin.”

Professor Bernie Tuch

CSIRO & Australian Foundation for Diabetes Research

“Australian Diabetes Therapy Project.”

Dr Seal Humphrey; Dr Daniel Fazakerly; Dr Matthew Prior; Dr Guang Yang

Diabetes and Obesity, Garvan Institute

“A Proteomics and systems biology approach to investigate insulin signalling and Type 2 Diabetes.”

Dr Anthony J M Verberne

Department of Medicine, Austin Health

“Hypoglycaemia I Diabetes: How the brain regulates blood glucose homeostasis.”

GENETIC RESEARCH

Dr Jeff Hoist

Origins of Cancer Laboratory, Centenary Institute

"Nutrition and Prostate Cancer."

Professor Chris Semsarian

Molecular Cardiology, Centenary Institute

"Genetic causes of heart failure."

Dr Nicholas Cole

Anatomy and Histology, University of Sydney

"Zebrafsh models of human Motor neurone disease."

Dr Fiona McKay

Westmead Millennium Institute

"Genotyping to identify causes of diseases to personalise therapeutic management."

Professor Richard Harvey

Victor Chang Cardiac Research Institute

"Real-time single cell tracking of cardiac stem cell maintenance, activation and rejuvenation."

Mr Steve Turner

Genetic Repositories Australia, Neuroscience Research Australia

"To automate the mundane procedures carried out by manual researches."

Dr Nigel Clarke

Neuroscience and Muscle Research, Children's Hospital Westmead

"Improving the genetic diagnosis of neuromuscular disease ."

GERIATRIC RESEARCH

Associate Professor Hala Zreiqat

Biomaterials and Tissue Engineering, University of Sydney

"Novel engineered nano-composite scaffolds for bone regeneration."

Dr Karen Cullen

Anatomy & Physiology, University of Sydney

"Microvascular breakdown: at the core of Alzheimer's Disease."

Professor Gordon Lynch

Physiology, University of Melbourne

"Developing safe and effective therapies to combat frailty and muscle weakness."

LUNG RESEARCH

Professor Warwick Britton

Mycobacterial Research, Centenary Institute

“Genetic modulation of Mycobacterium tuberculosis and macrophages to enhance TB killing.”

Associate Professor Ian Yang

Thoracic Medicine, Prince Charles Hospital Queensland

“Chronic Obstructive Pulmonary Disease Exacerbations.”

Professor Judith Black

Cell biology Group, Woodcock Institute

“Understanding the role of the extracellular matrix protein fibulin-1 in the structural remodelling process.”

Professor Philip J Thompson

Lung Institute of Western Australia, Nedlands

“RAGE: An important regulator of chronic inflammation in COPD.”

Professor Rakesh Kumar

Department of Pathology, University of New South Wales

“Oxidative stress by environmental triggers and prevention of allergic asthma in childhood.”

Dr Simon Phipps

Biomedical Sciences, university of Queensland

“Assessing airway hyperreactivity using flexiVent.”

RHEUMATOLOGY RESEARCH

Professor H Patrick McNeil

Inflammation & Infection Research Centre, University of New South Wales

“Mast Cell Tryptases and Articular Cartilage Catabolism.”

Dr Susan Hua

Biomedical Sciences & Pharmacy, University of Newcastle

“Development of novel targeted drug delivery to sites of inflammation.”

Associate Professor Christopher Little

Bone and Joint Research Laboratories, University of Sydney

“Fluorescent microscopy of bone and joint tissues.”

Associate Professor Hong Zhu

ANZAC Research Institute Bone Research Program

“The role of Endogenous Glucocorticoids in inflammatory arthritis.”

VISION SCIENCE RESEARCH

Professor Tailloi Chan-Ling

Retinal Development Neurobiology

"Retinopathy of Pre-maturity: A Ray of Hope."

Dr Michael O'Connor

University of Western Sydney

"The use of human pluripotent stem cells to investigate eye diseases."