

FOUNDATION GRANTS - 2010

BRAIN SCIENCE RESEARCH

Dr Chuck Bailey

Gene & Stem Cell Therapy, Centenary Institute
"Aberrant amino acid physiology in Brain Disease."

Dr Michael Lovelace

Anatomy & Histology, Bosch institute, University of Sydney
"A live imaging-based investigation of novel physiological functions of neural stem cells."

Dr Haydn Allbutt

Physiology, Bosch Institute, University of Sydney
"Investigation into the cause of Parkinson's Disease."

Professor Nick Hunt

Medical Sciences, University of Sydney
"Automated equipment for studying mouse behaviour relevant to the healthy and diseased brain."

Dr Michael Weible

Adult Stem Cell Research, Griffith University, Nathan Queensland
"Live-cell investigation of olfactory adult stem cells for the treatment of multiple sclerosis."

Dr Emily Mathey; Dr Claire Goldsbury

Brain & Mind Research Institute, University of Sydney
"Detection of brain/nerve reactive antibodies and causes of neuronal dysfunction in neurological disorders."

Associate Professor Simon Koblar

Stroke Research Program, University of Adelaide
"Using dental pulp stem cell therapy to repair brain cells."

Professor Denise Jackson

Thrombosis & Vascular Diseases, RMIT Victoria
"Stabilisation of Blood Clots – Implications for cerebral ischaemic stroke."

Professor George L Mendz

University of Notre Dame, Sydney
"Prevention of cerebral palsy and neurobiological impairments: Understanding of infection as a cause of pre-term birth."

Associate Professor Andreas Hoffman

Structural Chemistry, Griffith University, Queensland

"Using dental pulp stem cell therapy to repair brain cells."

Dr Fabienne Brilot; Dr Russell Dale

Neuroscience and Muscle, Kids Research Institute Westmead

"Development of a test to detect NMDA-R encephalitis in children and prevent longlasting disability."

Dr Michael Venezuela

Neuropsychiatry Institute, Prince of Wales Hospital

"Transplantation of Skin-derived neural precursors for reversal of age-associated cognitive decline ."

DIABETES RESEARCH

Professor Dennis Yue

Medicine, University of Sydney

"Insulin dependent diabetic baboons – a model for the study of early diabetic nephropathy and other complications."

Professor Ann Simpson

Medical and Molecular Biosciences, University of Technology Sydney

"Purification of lentiviral vectors for gene therapy of diabetes."

Dr Mark Gorrell

Centenary Insitute

"Human Protein production at 27 degrees celcius."

Professor Michael Horowitz

Medicine, University of Adelaide

"Measurement of blood pressure of patients with diabetes with or without postprandial hypotension."

Professor Helen Thomas

St Vincent's Institute, Victoria

"How are beta cells killed in Type 1 diabetes?."

Professor David E James; Sean Humphrey; Dr Matthew Prior

Diabetes & Obesity Group, Garvan Institute

"A systems biology approach to diabetes research."

Professor Doan Ngo

Cardiology Queen Elizabeth Hospital, South Australia

"Does vitamin D defciency contribute to endothelial dysfunction in diabetes?"

Dr Sarah Garnett

Kids Institute, Westmead Children's Hospital

"The prevention of diabetes in children and adolescents."

GENETIC RESEARCH

Dr Stephen Larsen

Cell and Molecular Therapies, Royal Prince Alfred Hospital

"Novel human adult stem cell delivery of prostate cancer suicide gene therapy."

Dr Chris Jolly

Centenary Institute

"Mouse models for production of auto-immune antibodies."

Associate Professor David Thorburn

Murdoch Childrens Research Institute, Royal Children's Hospital

"Identifying and understanding the genetic causes of Mitochondrial Disease."

Dr Bing Yu

Medical School, university of Sydney

"Identifying abnormal genes for sporadic amyotrophic lateral sclerosis by using next-generation sequencing."

Dr Cecile King

Immunology and Inflammation, Garvan Institute

"Characterisation of the cellular origin of Tcell Lymphoma."

Emirates Professor James Lawson

Biotechnology and Biomedical Sciences, university of New South Wales

"Viruses, genetics and prostate cancer."

Dr Jeff Hoist

Centenary institute

"Blood analysis in advanced models of human disease."

Dr David Booth

Immunology & Allergy, Westmead Millennium Institute

"The use of conditioned dendritic cells to generate an immune response environment of tolerance to alleviate the symptoms of multiple sclerosis."

GERIATRIC RESEARCH

Dr Gilles Guillemin

Pharmacology, University of New South Wales

"Tryptophan metabolism in neuroinflammatory and neurodegenerative diseases.."

Dr Bryce Vissel

Neuroscience, Garvan Institute

“Mechanisms and treatment of neurological diseases associated with aging.”

Dr Hala Zreiqat

Biomaterials and Tissue Engineering, University of Sydney

“Novel scaffolds for augmenting large bone defects.”

LUNG RESEARCH

Associate Professor Alaina Ammit

Pharmacy, University of Sydney

“MKP-1 as a novel anti-inflammatory strategy in asthma and airway remodelling.”

Dr Mary Bebawy

Pharmacy, University of Sydney

“Pulmonary delivery: deposition, fate, toxicology and effects – An in-depth in vitro investigation of anti-asthmatic medicaments.”

Professor Warwick Britton

Mycobacterial Research, Centenary Institute

“Genes required for the survival of Mycobacterium tuberculosis in the lung.”

Dr James Triccas

Infectious Diseases & immunology, University of Sydney

“Identifying new compounds to treat infection with the major lung pathogen Mycobacterium tuberculosis.”

RHEUMATOLOGY RESEARCH

Professor Mark Hogarth

Inflammatory Diseases, Burnet Institute

“VI-cell imaging and viability system.”

Dr Justine Ellis

Murdoch Childrens Research Institute, Royal Children's Hospital

“CLARITY: Childhood arthritis risk factor identification study.”

VISION SCIENCE RESEARCH

Dr Weiyong Shen

Save Sight Institute, University of Sydney

“Generation of an inducible transgenic model for selective gene targeting in Muller cells.”

Dr Dario Priotti

Physiology, University of Sydney

"Understanding retinal function in health and disease."

Professor Tailoi Chan-Ling

Retinal & Developmental Neurobiology, Bosch Institute

"Rationale for non-invasive treatment of retinopathy of prematurity: Dark rearing mimics physiological vascularisation."

Dr Joanne Lind

Medicine, University of Western Sydney

"Hypertensive retinopathy in pregnancy."