

FOUNDATION GRANTS - 2015

BRAIN SCIENCES RESEARCH: PSYCHIATRY AND NEUROLOGY

Prof Vasso Apostolopoulos

College of Health and Biomedicine, Victoria University

"Vitamin B and effects on Depression."

Prof Bernhard T. Baune

University of Adelaide

"A centralised Neuropsychiatric Biobank and Disease Marker Centre."

Assoc. Prof Thomas Burne

Queensland Brain Institute, The University of Queensland

"Reverse translation of cognitive tasks for animal models of neuropsychiatric disorders."

Prof Jens Coorsen

UWS Molecular Medicine Research Group

"The Multi-Spectral Proteome Imager: driving the next generation of top-down Proteomic analyses."

Dr Heather Francis

University of New South Wales

"Transcranial direct current stimulation to enhance working memory in severe traumatic brain injury."

Dr Erika Gyengesi

University of Western Sydney

"The role of chronic neuroinflammation in cognitive decline and neurodegeneration - an opportunity for therapeutic intervention."

Assoc. Prof Andreas Hofmann

Structural Chemistry Program, Eskitis Institute, Griffith University

"Determining protein crystal structures to establish protein structure-function relationships and unravel the molecular basis of disease."

Prof Dan Lubman

Monash University and Turning Point

"Sleep and wake states in sedative users: Objective measurement outside the laboratory."

Dr Julia Muenchhoff

University of Western Sydney

"Apolipoprotein levels and post-translational modifications as blood biomarkers for early stages of Alzheimer's disease."

Dr Jess Nithianantharajah

The Florey Institute of Neuroscience and Mental Health, University of Melbourne
"Neuroigin 3 in cognitive dysfunction and Autism"

Dr Matthew Pase

Swinburne University of Technology
"Understanding cognitive dysfunction following Transient Ischemic Attack ("mini-stroke")."

Assoc. Prof Jennifer Rodger

University of Western Australia
"Using non invasive brain stimulation to treat depression."

Assoc. Prof Elizabeth Scarr

University of Melbourne
"Identifying and understanding the changes in brain chemistry associated with schizophrenia, bipolar disorder and major depressive disorder."

Dr Dan Siskind

Centre for Mental Health Research
"Novel pharmacological treatments for obesity and diabetes for people with schizophrenia managed on clozapine."

Dr Rodrigo Suarez

Queensland Brain Institute, The University of Queensland
"The role of neural activity in early postnatal wiring of interhemispheric cortical circuits."

Dr Chris Tailby

The Florey Institute of Neuroscience and Mental Health, University of Melbourne
"Disruption of the ability to simulate one's personal future: insights from epilepsy and implications for neurosurgical planning and presurgical counselling."

Assoc. Prof Paul Tooney

The University of Newcastle
"Electrophysiology rig for the study of schizophrenia-related changes in white matter neurons after maternal infection."

Assoc. Prof Paul Kenneth Witting

Charles Perkins Centre; The University of Sydney
"A role for neuroglobin in protecting neuronal cells in Alzheimer's disease."

Assoc. Prof Trent Woodruff

University of Queensland
"Therapeutic targeting of inflammation in Parkinson's disease."

ENDOCRINOLOGY AND DIABETES

Prof Ann Simpson

University of Technology Sydney, Centre for Health Technologies

"Quantitative analysis of pancreatic transdifferentiation of Human liver cells."

Prof Moira O'Bryan

Monash University, Dept. Anatomy and Developmental Biology

"A novel cause of premature ovarian failure."

Prof Greg Barritt

Flinders University: Flinders Medical Science and Technology

"Intracellular calcium, liver steatosis and insulin resistance."

Dr Jatin Patel

The University of Queensland Centre for Clinical Research

"Laser Doppler Perfusion Imaging (LDPI) of revascularisation sites following vascular stem cell therapy."

Assoc. Prof Mark Gorrell

Centenary Institute

"Novel therapy approaches for diabetes and its liver and heart complications."

Dr Stuart Mannering

St Vincent's Institute of Medical Research

"The SVI Living Biobank: Developing new therapies for type 1 diabetes."

Assoc. Prof Susan McLennan

Bosch Institute/University of Sydney

"Fragment analyzer for the open access, multi-disciplinary Bosch Molecular Biology Facility."

Prof David James

Charles Perkins Centre

"Mitochondria as a key node of metabolic disease."

Prof Anthony Keech

NHMRC Clinical Trials Centre, The University of Sydney

"A well characterized biobank of individuals with type 2 diabetes."

Assoc. Prof Vance Matthews

Harry Perkins Institute of Medical Research

"ADAM19 and ADAM28: New targets for obesity and type 2 diabetes."

Assoc. Prof Maria Craig

School of Women's and Children's Health, University of New South Wales

"Exploring the evolution of enteroviruses in type 1 diabetes."

GERIATRICS

Prof Derek Hart

ANZAC Research Institute

"Novel specific anti-CD83 immunosuppressive agents for the treatment of Graft versus Host Disease."

Prof Hala Zreiqat

University of Sydney

"Using 3D printing technology to regenerate human bone."

Prof Rosetta Martiniello-Wilks

Faculty of Science, University of Technology Sydney

"Molecular imaging advancing stem cell-based gene therapy for Osteoporosis and Bone Fracture Regeneration."

LUNG DISEASE (OTHER THAN CANCER)

Assoc. Prof Steven Bozinovski

The University of Melbourne

"Measuring small airway dysfunction in chronic lung diseases."

Prof Paul Thomas

Prince of Wales Hospital

"Monitoring lung disease in sarcoidosis."

Assoc. Prof David Reid

QIMR Berghofer Medical Research Institute

"Understanding the impact of abnormal iron homeostasis on lung disease in cystic fibrosis."

Prof Joerg Mattes

Hunter Medical Research Institute

"Lung-function in early life for children at high asthma risk."

Assoc. Prof Richard Payne

The University of Sydney

"Automated purification platform for accelerated tuberculosis drug discovery."

Prof Warwick Britton

Centenary Institute

"Inhalational delivery system for delivery of drugs to treat lung infections with Mycobacterium tuberculosis and Pseudomonas aeruginosa."

Dr Michael Fricker

Hunter Medical Research Institute

"Determining the role of necroptosis in the pathogenesis of COPD."

RHEUMATOLOGY

Dr James Harris

Monash Medical Centre, Monash University

"New Therapeutic Targets in Rheumatological Diseases."

Prof Tania Winzenberg

Menzies Research Institute Tasmania

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

VISIONS SCIENCES

Prof Frank Lovicu

The University of Sydney

"Preventing Blindness: Regulation of TGF β -induced Cataract."

Dr Charles Cranfield

School of Medical and Molecular Biosciences, University of Technology Sydney

"The controlled capacitively coupled retinal biointerface."

Assoc. Prof Nuri Gueven

University of Tasmania

"Novel short-chain quinones against inherited blindness."

Dr Laura Downie

University of Melbourne

"Characterisation of the anterior eye inflammatory response in dry eye disease."

Prof Justine Smith

Flinders University

"Entry route of toxoplasma into human retina."

Dr Holly Chinnery

University of Melbourne

"Monitoring and therapeutic targeting of macrophage activation during chronic corneal inflammation."