

### 2017 Grants and Awards - All

#### Millennium Type 2 Award

Researcher	Institute	Project Title	State
Dr Seth Masters	The Walter and Eliza Hall Institute of Medical Research	The role of NLRP1 and IL-18 in type 2 diabetes	VIC

#### Millennium Type 1 Award

Researcher	Institute	Project Title	State
Associate Professor Stuart Mannering	St Vincent's Institute of Medical Research	Dissecting and measuring CD4+ T-cell response to proinsulin C-peptide in people with type 1 diabetes	VIC

#### ADS-Diabetes Australia Research Program Award

Researcher	Institute	Project Title	State
Professor Matthew Watt	Monash University	Discovery of a new agent for glycemic control	VIC

#### General Grants

Researcher	Institute	Project Title	State
Dr Jibrán Wali	Charles Perkins Centre	Determining the macronutrient composition of the optimum diet for the management of type 2 diabetes.	NSW
Professor Trevor Biden	Garvan Institute of Medical Research	Novel roles for ER stress in beta cell failure.	NSW
Associate Professor Ross Laybutt	Garvan Institute of Medical Research	Regulation of the $\beta$ -cell unfolded protein response by chronic hyperglycaemia and islet hypoxia in type 2 diabetes	NSW
Dr Yanchuan Shi	Garvan Institute of Medical Research	NPY-Y1 receptor signalling in adipose tissue as a target for anti-obesity treatment	NSW
Professor Carol Pollock	Kolling Institute of Medical Research	Predicting the future risk of chronic kidney disease in offspring of obese mothers with and without type 2 diabetes.	NSW
Professor Maria Craig	University of New South Wales	Characterising the population of viruses that trigger islet autoimmunity and type 1 diabetes using virome capture sequencing	NSW
Associate Professor Nigel Turner	University of New South Wales	Targeting ceramide synthesis in skeletal muscle to treat insulin resistance - a novel pharmacological approach	NSW
Professor Clare Collins	University of Newcastle	Evaluation of a type 2 diabetes risk reduction program for women with recent gestational diabetes	NSW
Associate Professor Mitch Duncan	University of Newcastle	Sleep, Move & Eat: An RCT testing novel strategies to improve the efficacy of behavioural weight loss interventions	NSW
Dr Amanda Brandon	University of Sydney	Can enhancing futile cycles combat obesity related insulin resistance?	NSW
Dr James Burchfield	University of Sydney	GLUT4 trafficking and insulin resistance	NSW
Associate Professor Corinne Caillaud	University of Sydney	I-engage: A multicomponent intervention using human-centred technology to enhance knowledge and skills in self-monitoring physical activity and food choices in adolescents	NSW
Dr Camilla Hoyos	University of Sydney	Brain oxidative stress and cognitive function in older adults with diabetes and pre-diabetes who are 'at risk' for dementia.	NSW

**General Grants**

Researcher	Institute	Project Title	State
Dr Mugdha Joglekar	University of Sydney	Understanding mechanisms of immune-regulation by human islet-derived progenitor cells	NSW
Dr Melkam Kebede	University of Sydney	Investigating the interplay between Sorcs1 and Sortilin in the regulation of insulin degradation in pancreatic beta-cells.	NSW
Dr Gerald Liew	University of Sydney	Using New Retinal Imaging Technologies to Improve Classification and Treatment of Diabetic Retinopathy.	NSW
Dr Yorgi Mavros	University of Sydney	PRT MEDIC: Progressive Resistance Training for MEtabolic Syndrome and Depression Integrated Care: A Randomised Controlled Trial	NSW
Dr Craig Phillips	University of Sydney	Treating sleep apnoea after weight loss to maintain cardio-metabolic health in the obese with pre-diabetes - A Randomised Controlled Trial	NSW
Professor Peter Thorn	University of Sydney	Enhancing insulin secretion from stem cells	NSW
Professor Stephen Twigg	University of Sydney	Effects of high-intensity interval training on glycaemic control and diabetes complications in adults with type 1 diabetes and the metabolic syndrome: a randomised controlled trial with partial cross-over	NSW
Professor Jenny Gunton	University of Sydney, Westmead Institute of Medical Research	In vivo beta-cell gene regulation using TRAP (translating ribosome affinity purification)	NSW
Dr Kristine McGrath	University of Technology Sydney	Novel delivery of a HDL mimetic peptide as a therapeutic option to restore insulin sensitivity	NSW
Associate Professor Catherine Suter	Victor Chang Cardiac Research Institute	Reversing the legacy of paternal obesity	NSW
Dr Renae Kirkham	Menzies School of Health Research	Exploring healthy lifestyle knowledge, behaviours and experiences of care among Aboriginal women with diabetes in pregnancy (DIP).	NT
Dr Helen Barrett	University of Queensland	Linking maternal and infant oral microbiome: effects of GDM or effects of probiotics?	QLD
Dr Anna Hatton	University of Queensland	Textured shoe insoles to improve balance and walking in adults with diabetic peripheral neuropathy: a randomised controlled trial	QLD
Dr Shelley Keating	University of Queensland	High intensity exercise targeting insulin resistance in non-alcoholic steatohepatitis: is it safe, effective and feasible in practice?	QLD
Professor Chengzhong Yu	University of Queensland	Smart Nano-implants for Physiological Glucose Responsive Insulin Release	QLD
Dr Briony Forbes	Flinders University	Defining how insulin engages its receptor	SA
Dr Peter Speck	Flinders University	Preclinical development of bacteriophages: a better way to treat diabetic foot infections.	SA
Dr Liza Phillips	University of Adelaide	The impact of pancreatic exocrine insufficiency and pancreatic enzyme replacement therapy on gastric emptying, gut hormone, and glycaemic responses to a meal in type 2 diabetes	SA
Dr Tongzhi Wu	University of Adelaide	Gastrointestinal mechanism of the anti-diabetic effect of metformin	SA
Dr Joanne Tan	South Australian Health and Medical Research Institute	Micromanaging high density lipoprotein-induced rescue of diabetes-impaired angiogenesis.	SA

**General Grants**

Researcher	Institute	Project Title	State
Dr Bianca Bernardo	Baker Heart and Diabetes Institute	Evaluating off-label use of tilorone as a novel therapeutic for the diabetic heart	VIC
Dr Anna Calkin	Baker Heart and Diabetes Institute	The Role of Cholesterol in Hepatic Glucose Metabolism	VIC
Associate Professor Rebecca Ritchie	Baker Heart and Diabetes Institute	Nitroxyl donors: novel pharmacotherapy for management of heart failure induced by type 2 diabetes	VIC
Dr Mitchel Tate	Baker Heart and Diabetes Institute	Combination Pharmacological and Gene Therapeutic Approaches to Treat Type 2 Diabetes-Induced Cardiomyopathy	VIC
Dr Eser Zerenturk	Baker Heart and Diabetes Institute	Identification of novel regulators of cholesterol metabolism	VIC
Professor Trisha Dunning	Deakin University	Improving clinician and older people with diabetes communication and decisions about integrating palliative and end of life care into usual diabetes care.	VIC
Dr Sean McGee	Deakin University	Linking obesity with cardiomyopathy through the Alzheimer's disease protein amyloid beta 42.	VIC
Professor Mark Cooper	Monash University	Role of Set7 in metabolic memory: implications for diabetic nephropathy	VIC
Professor Michael Cowley	Monash University	Hyperleptinemia in obesity is a cause of central insulin resistance	VIC
Dr Maria Esther Bandala-Sanchez	The Walter and Eliza Hall Institute of Medical Research	The therapeutic potential of soluble CD52 to prevent type 1 diabetes	VIC
Dr Elif Ekinci	University of Melbourne	Can we improve the measurement of renal function in patients with diabetes?	VIC
Dr Sheila Patel	University of Melbourne	KLF15 is a genetic and molecular link to cardiac hypertrophy in diabetes	VIC
Associate Professor Anthony Verberne	University of Melbourne	Orexin regulation of pancreatic glucagon secretion	VIC
Professor Mary Wlodek	University of Melbourne	Exercise in males born small to prevent the programmed pancreatic deficits and metabolic dysfunction in the next generation	VIC
Professor Marco Falasca	Curtin University	Development of novel GLP-1 releasing agents	WA
Dr Julia Marley	Rural Clinical School of WA	Developing algorithms to improve predicting the development of and screening for gestational diabetes mellitus in rural communities	WA