

2019 Grant Round Outcomes

Millennium Type 1 Diabetes Award

Researcher	Institute	Project Title	State
Professor Jerry Greenfield	Garvan Institute of Medical Research	Phenotypic Characterisation of Adults with Type 1 Diabetes: Towards Personalised Adjunctive Treatment of Insulin Resistance	NSW

Millennium Type 2 Diabetes Award

Researcher	Institute	Project Title	State
Professor Merlin Thomas	Monash University	Transactivation of RAGE as a novel therapeutic target in diabetes	VIC

ADS-Diabetes Australia Research Program Award

Researcher	Institute	Project Title	State
Associate Professor Clinton Bruce	Deakin University	Mechanisms of insulin resistance in humans	VIC

Kellion Diabetes Foundation Research Grant

Researcher	Institute	Project Title	State
Professor Jonathan Golledge	James Cook University	Testing a novel treatment for diabetes-associated ischemic foot ulceration	QLD

General Grants

Researcher	Institute	Project Title	State
Professor Trevor Biden	Garvan Institute of Medical Research	A novel macrophage-derived mediator of beta cell dysfunction	NSW
Associate Professor Ross Laybutt	Garvan Institute of Medical Research	The protein folding isomerase FKBP11 protects against type 2 diabetes	NSW
Associate Professor Carsten Schmitz-Peiffer	Garvan Institute of Medical Research	Using Biosensors To Determine the Role of PKCε in Adipose Tissue	NSW
Dr Yanchuan Shi	Garvan Institute of Medical Research	Investigation of the Role of Adipocyte-specific Y1 Receptors in Controlling the Browning of White Adipose Tissue in Diet-induced Obesity	NSW
Associate Professor Megan Lord	University of New South Wales	Bioengineered growth factor binding scaffolds for improved diabetic wound healing	NSW
Professor Kerry-Anne Rye	University of New South Wales	Generation of Pancreatic Beta-cells in Type 1 Diabetes	NSW
Dr Carissa Bonner	University of Sydney	Addressing inequalities in diabetes self-management with a health-literacy action plan	NSW
Dr James Krycer	University of Sydney	Identifying molecular mechanisms of impaired glucose transport in insulin resistance	NSW
Professor Jenny Gunton	University of Sydney	Browning human fat to treat obesity and diabetes	NSW
Associate Professor Samantha Hocking	University of Sydney	Optimal timing of delivery of pregnancies complicated by gestational diabetes mellitus (GDM) and maternal and perinatal outcomes	NSW
Dr Chunling Huang	University of Sydney	A novel therapeutic target for diabetic nephropathy	NSW

General Grants

Researcher	Institute	Project Title	State
Dr Natasha Rogers	Westmead Institute for Medical Research	Thrombospondin-1 and CD47 regulate islet injury and transplant failure	NSW
Dr Elizabeth Barr	Menzies School of Health Research	The association of novel biomarkers to kidney disease progression among Indigenous Australians with and without diabetes	NT
Professor Jeffery Coombes	University of Queensland	Feasibility, Acceptability and Efficacy of the Physical Activity Index (PAI) e-health Program in Type 2 Diabetes.	QLD
Professor Josephine Forbes	University of Queensland	Targeting mitochondrial dysfunction to treat diabetic kidney disease	QLD
Dr Moe Thuzar	University of Queensland	Defining the Novel Effects of Mineralocorticoid Receptor Antagonism on Adiposity and Glucose Homeostasis – A Randomised Controlled Trial	QLD
Professor Briony Forbes	Flinders University	Characterisation of two novel mammalian long acting GLP-1 peptides	SA
Dr Amy Hutchison	University of Adelaide	Modified meal timing during night shift - effects on gastrointestinal hormone release and blood glucose control	SA
Professor Karen Jones	University of Adelaide	Effect of exenatide once weekly on gastric emptying of, and the postprandial glycaemic and cardiovascular responses to, an oral glucose load in type 2 diabetes	SA
Dr Stijn Soenen	University of Adelaide	Effect of dietary protein on glucose metabolism in older people with and without type 2 diabetes	SA
Dr Joanne Tan	University of Adelaide	miR-181c – a novel therapeutic target for the rescue of diabetes-impaired angiogenesis	SA
Dr Tongzhi Wu	University of Adelaide	Role of bile acids in glucose lowering by metformin	SA
Professor James Sharman	University of Tasmania	Prevalence and cardiovascular risk associated with exaggerated exercise blood pressure among people with type 2 diabetes	TAS
Dr Bianca Bernardo	Baker Heart and Diabetes Institute	A gene therapy approach targeting metabolic disturbances in the diabetic heart	VIC
Associate Professor Neale Cohen	Baker Heart and Diabetes Institute	Effects of empagliflozin on autonomic nervous system function and cardiac function in patients with type 2 diabetes	VIC
Dr Miles De Blasio	Baker Heart and Diabetes Institute	The role of abnormal cardiac glucose metabolism in the complications of type 2 diabetes in the heart	VIC
Associate Professor Judy de Haan	Baker Heart and Diabetes Institute	A novel antioxidant and anti-inflammatory approach to improve Type 2 diabetic heart function after acute myocardial infarction	VIC
Dr Darren Henstridge	Baker Heart and Diabetes Institute	Does ACAD10 mediate the metabolic effects of Metformin?	VIC
Professor Thomas Marwick	Baker Heart and Diabetes Institute	Contribution of Fibrosis and Microvascular Dysfunction to Myocardial Dysfunction in Early Diabetic Cardiomyopathy	VIC
Associate Professor Julie McMullen	Baker Heart and Diabetes Institute	Novel PI3K gene therapy to protect the diabetic heart from heart failure and atrial fibrillation	VIC
Associate Professor Andrew Murphy	Baker Heart and Diabetes Institute	Exploring the role of hexokinase 3 in neutrophil glucose metabolism: effects on diabetes-associated atherogenesis	VIC
Dr Arpeeta Sharma	Baker Heart and Diabetes Institute	Targeting the inflammasome to ameliorate Type 2 diabetic cardiac and vascular diseases	VIC

General Grants

Researcher	Institute	Project Title	State
Professor Kylie Ball	Deakin University	A novel approach for supporting healthy eating amongst disadvantaged individuals with Type 2 diabetes	VIC
Ms Jennifer Halliday	Deakin University	Type 1 Diabetes Consultation Tool: a mixed methods adaptation and feasibility study in Australian type 1 diabetes tertiary care settings	VIC
Dr Greg Kowalski	Deakin University	Metabolic tug-of-war: deciphering the organ specific hierarchy of glucagon and insulin action under physiologically relevant conditions in humans	VIC
Professor Mark Cooper	Monash University	An endogenous inhibitor of diabetes associated atherosclerosis	VIC
Dr Devy Deliyanti	Monash University	Fiber supplementation for the treatment of diabetic retinopathy	VIC
Associate Professor David Nikolic-Paterson	Monash University	Preventing and Limiting Acute Kidney Injury in High Risk Diabetic Patients	VIC
Dr Jun Okabe	Monash University	Epigenetic programming by histone methyltransferase in the bone marrow hematopoietic stem cells contributes diabetic associated atherosclerosis	VIC
Professor Jennifer Wilkinson-Berka	Monash University	Does boosting the adaptive immune system reduce hypertensive diabetic retinopathy?	VIC
Professor Ed Stanley	Murdoch Children's Research Institute	Developing an In vitro Model of Type 1 Diabetes	VIC
Dr Kim Loh	St Vincent's Institute of Medical Research	A novel mechanism for improving β -cell function in diabetes	VIC
Dr Andrew Sutherland	St Vincent's Institute of Medical Research	Validating IL-17F as a therapeutic target for the prevention and treatment of type 1 diabetes	VIC
Dr Barbara Fam	University of Melbourne	Why do some people gain weight and others don't? Exploring the role of the gut specific G-protein coupled receptors in obesity development and resistance.	VIC
Associate Professor Martha Lappas	University of Melbourne	Can exosomes predict the development of type 2 diabetes in women with previous gestational diabetes?	VIC
Associate Professor Timothy Fairchild	Murdoch University	Assessing the impact of exercise timing on glycaemic control: a randomised controlled trial	WA
Prof Timothy Davis	University of Western Australia	Proteomic predictors of incident diabetic retinopathy	WA
Professor Markus Schlaich	University of Western Australia	Role of sympathetic activation in SGLT-2 inhibitor induced cardiorenal protection	WA