

2020 Grant Round Outcomes

Millennium Type 1 Diabetes Award

Researcher	Institute	Project Title	State
Associate Professor Usha Panchapakesan	University of Sydney	The primary cilia in diabetic kidney disease: targeting the cellular antennas	NSW

Millennium Type 2 Diabetes Award

Researcher	Institute	Project Title	State
Dr Christina Bursill	University of Adelaide	Wound healing properties of topical high-density lipoproteins in diabetes: from molecular mechanisms to clinical efficacy	SA

ADS-Diabetes Australia Research Program Award

Researcher	Institute	Project Title	State
Professor Trevor Biden	Garvan Institute of Medical Research	A novel mechanism for co-ordinating insulin secretion and biosynthesis in pancreatic beta cells	NSW

Kellion Diabetes Foundation Research Grant

Researcher	Institute	Project Title	State
Professor Mark Cooper	Monash University	The intracrine effects of GLP-1 protect against diabetic complications	VIC

General Grants

Researcher	Institute	Project Title	State
Dr Amita Bansal	Australian National University	Environmental exposures and spatial genome organisation underpins islet beta-cell susceptibility to diabetes.	ACT
Dr Faran Sabeti	University of Canberra	Identifying functional biomarkers in eyes at risk of vision loss in Type 2 Diabetes	ACT
Dr Yanchuan Shi	Garvan Institute of Medical Research	Turning Up the Heat on Obesity and Diabetes, The Role of Y1 Receptors in Brown Fat Activity	NSW
Dr Sarah Glastras	Kolling Institute of Medical Research	Identifying biomarkers in early pregnancy that predict preeclampsia in women with type 1 diabetes.	NSW
Professor Kerry-Anne Rye	University of New South Wales	Preventing and Reversing Cardiovascular Complications in Patients with Diabetes	NSW
Professor Nigel Turner	University of New South Wales	Improving the anti-diabetic efficacy of NAD-boosting compounds	NSW
Dr Carmel Smart	University of Newcastle	Optimising postprandial glycaemia in children and adolescents with Type 1 diabetes using Hybrid Closed Loop Insulin Delivery: Current challenges and practical clinical solutions.	NSW
Dr Melissa Farnham	University of Sydney	Low carbohydrate (ketogenic) diet in type 1 diabetes: do ketones protect the brain from adverse effects of hypoglycaemia?	NSW
Dr Deanne Francis	University of Sydney	Intertwining genetics and metabolism: The fruit fly as a model of metabolic disease.	NSW
Associate Professor Samantha Hocking	University of Sydney	Caloric restriction by very low calorie diet or alternate day fasting for remission of type 2 diabetes; a pilot study	NSW
Dr Melkam Kebede	University of Sydney	The role of Cab45 in proinsulin sorting at the Trans-Golgi Network	NSW

General Grants

Researcher	Institute	Project Title	State
Dr Yuen Ting Lam	University of Sydney	Therapeutic implication of novel carbon based nanoparticles for type 2 diabetes	NSW
Professor Stephen Twigg	University of Sydney	Can exercise training treat established NASH fibrosis in diabetes?	NSW
Professor John Headrick	Griffith University	Myocardial Maladaptation With Multimorbidity: Interactions Between Metabolic and Mood Disorders	QLD
Dr Katie Brooker	University of Queensland	Development and evaluation of educational and self-management resources for people with intellectual and developmental disability living with diabetes and their support people: Diabetes to the Point	QLD
Dr Genevieve Healy	University of Queensland	Supporting working adults with type 2 diabetes to sit less and move more: developing and testing a program suitable for wide-scale delivery	QLD
Dr Carlos Salomon	University of Queensland	Adipose tissue-derived exosomes and their role in controlling fetal growth, in normal and gestational diabetes mellitus pregnancies	QLD
Dr Tongzhi Wu	University of Adelaide	Effects of endogenous bile acids on postprandial glucose metabolism in type 2 diabetes, and the impact of the small intestinal region exposed	SA
Associate Professor Richard Young	University of Adelaide	Does the gut microbiome link intake of low-calorie sweeteners to impaired blood glucose control?	SA
Professor Andrew Zannettino	University of Adelaide	Investigating the mechanisms by which bone-specific mTORC1 inhibition protects mice against diet-induced insulin resistance.	SA
Dr Larisa Bobrovskaya	University of South Australia	The role of adrenomedullary neuropeptide Y in hypoglycaemia-associated autonomic failure	SA
Professor Claudine Bonder	University of South Australia	Desmoglein-2, a viral receptor supporting pancreatic function.	SA
Professor Allison Cowin	University of South Australia	Development of a new systemic therapy for the treatment of diabetic wounds.	SA
Dr Mohammadhossein Hassanshahi	University of South Australia	Supplementation of stromal vascular fraction-enriched decellularized adipose tissue with platelet-rich plasma: A novel therapeutic approach for improving healing of diabetic wounds	SA
Dr Susan Semple	University of South Australia	Working with Aboriginal Traditional Owners to understand the potential health benefits of traditional plant foods for combating type 2 diabetes	SA
Dr Darren Henstridge	University of Tasmania	Activating ACAD10 to improve metformin performance.	TAS
Dr Evelyn Parr	Australian Catholic University	A time for food: Improving glycaemic control in individuals with type 2 diabetes through time-restricted eating	VIC
Dr Brian Drew	Baker Heart and Diabetes Institute	Silencing PSMD9 to treat fatty liver disease, diabetes and non-alcoholic steatohepatitis (NASH).	VIC
Professor Dianna Magliano	Baker Heart and Diabetes Institute	Measuring the burden and trends of diabetes complications in Australia: A linkage study	VIC
Dr Alexander Pinto	Baker Heart and Diabetes Institute	Cell and sex-specific drivers of diabetic cardiomyopathy	VIC
Dr Aowen Zhuang	Baker Heart and Diabetes Institute	IncOIP is a novel regulator of diabetic cardiomyopathy	VIC
Dr Kathryn Aston-Mourney	Deakin University	A novel approach to target beta-cells to enhance survival and function	VIC

General Grants

Researcher	Institute	Project Title	State
Dr Greg Kowalski	Deakin University	Aminogenic insulin-glucagon secretion and action in human insulin resistance	VIC
Professor Barbora de Courten	Monash University	Effect of Carnosine on Walking Endurance in Patients with Type 2 Diabetes and Peripheral Vascular Disease	VIC
Dr Catherine Huggins	Monash University	Exposing non-traditional risk factors for Type 2 Diabetes to enhance prevention strategies	VIC
Dr Jay Jha	Monash University	The role of Nox5 in diabetes associated kidney disease	VIC
Associate Professor Greg Tesch	Monash University	Targeting Diabetic Kidney and Cardiac Disease Through Inhibition of SYK Signalling	VIC
Professor Tony Tiganis	Monash University	Does chronic stress attenuate CNS insulin signalling to drive obesity & type 2 diabetes?	VIC
Professor Robert Widdop	Monash University	Does selective angiotensin AT2 receptor stimulation protect against end organ extracellular matrix damage in diabetic hypertensives?	VIC
Dr Morag Young	Monash University	Selective regulation of mineralocorticoid receptor (MR) signalling for the treatment of diabetic cardiac myopathies.	VIC
Associate Professor Mark Chong	St Vincent's Institute of Medical Research	The influence of paternal diets on the susceptibility of offspring to T1D	VIC
Dr Garron Dodd	University of Melbourne	Intranasally Targeting Hypothalamic Insulin Signalling: A New Way to Treat Type 2 Diabetes	VIC
Dr Paula Miotto	University of Melbourne	Liver extracellular vesicles in the development of insulin resistance	VIC
Professor Matthew Watt	University of Melbourne	A novel combination therapy to treat fatty liver and insulin resistance	VIC
Dr Crystal Lee	University of Sydney	Drivers and consequences of medication adherence in middle-aged and older people with diabetes in Australia	VIC
Associate Professor Itamar Levinger	Victoria University	Uncovering the therapeutic role of osteocalcin in hyperglycemic settings: effect on older adult's myotubes	VIC
Dr Vicki Patton	Edith Cowan University	The effectiveness of D-Mannose in patients with high risk of recurrent urinary tract infections	WA
Dr Vance Matthews	University of Western Australia	Determining a novel role for sodium glucose co-transporter 2 in diabetic retinopathy.	WA