

2022 Grant Round Outcomes
Millennium Type 1 Diabetes Award

Researcher	Institute	Project Title	State
Professor David O'Neal	St Vincent's Hospital Melbourne	Glucose Control with a Hybrid Closed Loop System in Adults with Type 1 Diabetes and Advanced Renal Diseases	VIC

Millennium Type 2 Diabetes Award

Researcher	Institute	Project Title	State
Associate Professor Sonia Saad	University of Sydney	Assessing urinary tubular cells in chronic kidney disease by deep learning – early diagnostics without kidney biopsy.	NSW

Charles Campbell Coghlan OAM Grant

Researcher	Institute	Project Title	State
Associate Professor John Wentworth	The Walter and Eliza Hall Institute of Medical Research	In-home islet autoantibody testing to empower families to prevent type 1 diabetes	VIC
Dr Mervyn Kyi	The Royal Melbourne Hospital	Specialist Treatment of Inpatients: Caring for Diabetes - Type 1 (STOIC-D T1)	VIC
Dr Andrew Sutherland	St Vincent's Institute of Medical Research	IL-17RC regulated mechanisms of type 1 diabetes protection: the role of gut microbiota	VIC

ADS-Diabetes Australia Research Program Award

Researcher	Institute	Project Title	State
Dr Dragana Dragoljevic	Baker Heart and Diabetes Institute	Determining if diabetes interacts with clonal haematopoiesis to promote atherosclerotic cardiovascular disease	VIC

Kellion Diabetes Foundation Research Grant

Researcher	Institute	Project Title	State
Dr Helen Jiao	University of Melbourne	Reducing vision loss in diabetic retinopathy by protecting the outer blood-retinal barrier	VIC

General Grants

Researcher	Institute	Project Title	State
Dr Yanchuan Shi	Garvan Institute of Medical Research	A Novel Role of Neuropeptide Y in Salt-triggered Thermogenesis and Energy Expenditure	NSW
Dr Amanda Brandon	University of Sydney	How do diet, gender and obesity interact to regulate insulin sensitivity and metabolism in mice?	NSW
Dr Alexis Diaz-Vegas	University of Sydney	Role of the mitochondrial protease miPEP in insulin resistance in adipocytes	NSW
Dr Ashish Misra	University of Sydney	Identification of molecular and cellular mechanisms linking diabetes with atherosclerosis.	NSW
Dr Jacky Stoeckli	University of Sydney	Novel Insights into Lipid Homeostasis through analysis of Human Genetic Mutations.	NSW
Dr Matthew Hare	Menzies School of Health Research	IMPACT Diabetes NT: IMProving evidence Around Contemporary Therapies for Diabetes in the Northern Territory	NT

General Grants

Researcher	Institute	Project Title	State
Professor Usman Malabu	James Cook University	Extracorporeal Shockwave Therapy for Prevention of Diabetic Foot Ulcer Recurrence: A Pilot Study	QLD
Dr Heena Akbar	Queensland University of Technology	Effectiveness of a Pasifika Women's Diabetes Wellness Program (PWDWP)	QLD
Dr Denuja Karunakaran	University of Queensland	Therapeutic knockdown of ripk1 to treat atherosclerotic complications of type 1 diabetes	QLD
Dr Melissa Reichelt	University of Queensland	Targeting cavin-1 via gene therapy in a model of metabolic/low-level chronic stress	QLD
Associate Professor Katharina Ronacher	University of Queensland	Harnessing Oxidised Cholesterols to Reduce Susceptibility to COVID-19 in Obesity and Diabetes	QLD
Associate Professor Christina Bursill	University of Adelaide	Endothelial cell metabolic reprogramming in diabetes-impaired angiogenesis	SA
Professor Christine Feinle-Bisset	University of Adelaide	Combining calcium and tryptophan to lower postprandial blood glucose and reduce food intake in people with type 2 diabetes - developing novel, nutrient-based management strategies	SA
Professor Karen Jones	University of Adelaide	Effect of subcutaneous (sc) semaglutide on gastric emptying measured using the 'gold standard' technique, scintigraphy, in type 2 diabetes (T2D)	SA
Dr Chinmay Marathe	University of Adelaide	Glycaemic variability around pay cycles in Indigenous Australians with type 2 diabetes	SA
Dr Mahesh Umaphysivam	University of Adelaide	Does the rate of reduction in blood glucose impact the gastric counter-regulatory response during acute hypoglycaemia in type 1 diabetes?	SA
Associate Professor Richard Young	University of Adelaide	Host or the hosted? Mechanisms underlying intestinal control of glycaemia in type 2 diabetes	SA
Dr Dino Premilovac	University of Tasmania	Can metformin and exenatide improve brain vascular function in type 2 diabetes to reduce stroke severity?	TAS
Dr Arpeeta Sharma	Baker Heart and Diabetes Institute	Modulating soluble guanylate cyclase activity to improve type 2 diabetic and hypertensive heart function	VIC
Associate Professor Peter van Wijngaarden	Centre for Eye Research Australia	Novel imaging & artificial intelligence for improved diabetic retinopathy screening	VIC
Dr Gunveen Kaur	Deakin University	Does short-term high-calorie high-fat feeding impair skeletal muscle microvascular blood flow and increase the risk of pre-diabetes in humans?	VIC
Associate Professor Michelle Keske	Deakin University	Home-based vascular therapy for improving exercise tolerance and glycaemia in type 2 diabetes.	VIC
Dr Greg Kowalski	Deakin University	A novel 'liquid biopsy' to study in vivo beta-cell insulin synthesis in humans.	VIC
Dr Amelia Lake	Deakin University	Implementing quarterly professional-mode flash glucose monitoring in a collaborative care model for type 2 diabetes: exploration of clinician/patient dyads in the GP-OSMOTIC qualitative sub-study.	VIC
Professor Bodil Rasmussen	Deakin University	Psychosocial well-being among new mothers with type 1 or type 2 diabetes: Refining and Testing a novel screening tool derived from the Postnatal Wellbeing Transition Questionnaire	VIC
Dr Chris Shaw	Deakin University	Deciphering the mechanisms of postprandial glucose disposal	VIC
Dr Michael De Silva	La Trobe University	Cell therapy for the treatment of obesity-induced brain injury and cognitive impairment	VIC

General Grants

Researcher	Institute	Project Title	State
Dr Miles De Blasio	Monash University	Targeting cardiac adiponectin signalling as a novel treatment for cardiac lipotoxicity.	VIC
Professor Mark Febbraio	Monash University	Role of extracellular vesicles in exercise-induced protection of liver steatosis and insulin resistance	VIC
Professor Karin Jandeleit-Dahm	Monash University	Point of care detection of early kidney disease using infrared spectroscopy	VIC
Dr Sarah Marshall	Monash University	Sulforaphane, a vasoprotective compound to reduce maternal vascular complications in human gestational diabetes	VIC
Dr Muthukumar Mohan	Monash University	A pro-resolving approach as a novel interventional treatment against the vascular complications of diabetes	VIC
Dr Chengxue (Helena) Qin	Monash University	Resolving inflammation to treat vessel stiffness in diabetes	VIC
Dr Adam Rose	Monash University	Investigating a novel hepatic glucagon signalling node	VIC
Dr Carlos Rosado	Monash University	Exploring the intracrine effects of GLP-1 peptides	VIC
Dr Jacqueline Schiesser	Murdoch Children's Research Institute	A Scorecard for Human Islets	VIC
Dr Kim Loh	St Vincent's Institute of Medical Research	SIK3 as a new therapeutic target for improving β -cell function in diabetes.	VIC
Professor Helen Thomas	St Vincent's Institute of Medical Research	New ways to treat checkpoint inhibitor induced type 1 diabetes	VIC
Dr Aleena Ali	University of Melbourne	Genetics in diabetes: towards precision medicine	VIC
Dr Devy Deliyanti	University of Melbourne	Regulatory B cells for the Treatment of Diabetic Retinopathy	VIC
Professor Lea Delbridge	University of Melbourne	Developing cardioprotective SGLT leads – especially for women	VIC
Dr Magdalene Montgomery	University of Melbourne	EMILIN1 - A novel therapeutic target for glycaemic control and liver disease	VIC
Dr Benjamin Parker	University of Melbourne	Identification of C18ORF25 as a novel exercise regulated signalling factor for glycaemic control and insulin resistance	VIC
Professor Matthew Watt	University of Melbourne	Targeting lipid droplet metabolism to improve insulin sensitivity and glycaemic control	VIC
Professor Timothy Davis	University of Western Australia	A novel approach to stroke risk prediction in type 2 diabetes incorporating machine learning	WA