

NHMRC GRANTS CURRENT IN 2013

Listed are NHMRC grants held by AMREP staff in 2013.

Program Grants

Adams J, Gerondakis S, Bouillet P, Visvader J, Colman P, Strasser A, Cory S, Vaux D, Huang DC, Linderman G, Kluck RM. Apoptosis and stem cells in cancer development and therapy. 2012-2016: \$21,322,575. Administering institution: Walter and Eliza Hall Institute.

Cooper D, Beard M, Dore G, Emery S, French M, Kelleher A, Kent S, Lloyd A, Purcell D. HIV and HCV vaccines and immunopathogenesis. 2009-2013: \$17,734,213. Administering institution: University of New South Wales.

Cooper D, Davenport M, Emery S, Kelleher A, Kent S, Lewin S, Purcell D. HIV cure and immune mediated control. 2014-2018: \$12,612,250. Administering institution: University of New South Wales.

Goodnow C, MacKay C, MacKay-Fisson F, Tangye S, Sprent J, Cook M, Vinuesa C, Brink R. Molecular and cellular basis of inflammatory and immunodeficiency diseases. 2012-2016: \$15,718,075. Administering institution: Australian National University.

Kaldor J, Garland SM, Fairley CK, Law MG, Grulich AE. Sexually transmitted infections: causes, consequences and interventions. 2010-2014: \$9,100,000. Administering institution: University of New South Wales.

Kaye D, Jennings G, Esler M, Dart AM, Kingwell B, Chin-Dusting J, Sviridov D. A program of translational cardiovascular medicine: identifying new targets for prevention and treatment. 2013-2017: \$12,406,615. Administering institution: Baker IDI.

Krum H, Kelly D, Reid C. Prevention and treatment of chronic heart and kidney disease via epidemiological, pharmacological device and cell-based approaches. 2010-2014: \$5,390,000. Administering institution: Monash University.

Owen N, Bauman A, Brown W. Sitting less and moving more: Population health research to understand and influence sedentary behaviour. 2011-2014: \$3,773,000. Administering institution: Baker IDI.

Stewart S, Thompson D, Abhayaratna W. Integration of risk evaluation in cardiovascular disease management programs. 2011-2013: \$2,898,607. Administering institution: Baker IDI.

Stewart S, Thompson D, Scuffham P. Optimising heart disease prevention and management. 2014-2018: \$4,647,175. Administering institution: Baker IDI.

Capacity Building Grants

Sim M, Abramson M, Fritschi L, LaMontagne A. Linking research policy and health services to build a better evidence base for workplace public health. 2009-2013: \$1,625,115. Administering institution: Monash University.

Centres of Research Excellence

Cameron P. Australian Resuscitation Outcomes Consortium. 2011-2016: \$2,498,523. Administering institution: Monash University.

Carlin J, Forbes A, Gurrin L. The Victorian Centre for Applied Biostatistics (VCAB): Building core methodological capacity for population health. 2011-2016: \$2,497,184. Administering institution: Murdoch Children's Research Institute.

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Cooper DJ, Phillips L, Bellomo R, Cameron P, Reade M, Isbister J, French C, Myles P, Webb S, McNeil J. Centre of Excellence for Patient Blood Management in Critical Illness and Trauma. 2012-2017: \$2,498,407. Administering institution: Monash University.

Dart A, Jennings G, Kaye D, Peter K, Kingwell B, Chin-Dusting J. Centre of Excellence for Clinical Research Training in Translational Cardiology. 2010-2015: \$2,500,000. Administering institution: Baker IDI.

Hellard M, Dietze P, Ritter A, Lubman D, Kinner S, Dore G, Maher L, Williams G, Moore D, Power R. Reducing the health, social and economic burden of injecting drug use in Australia. 2010-2015: \$2,485,060. Administering institution: Burnet Institute.

Golledge J, Kingwell B, Norman P, Tonkin A, Fitridge R, Reid C, Walker P, Hankey G, Fletcher J, Nelson M. National Centre of Research Excellence to improve management of peripheral arterial disease. 2010-2015: \$2,499,250. Administering institution: James Cook University.

Redman S, Jorm L, Green S, D'Este C, Frew D, Shakeshaft A, Sanson-Fisher R, Davies H, Louviere J. Centre for Informing Policy in Health with Evidence from Research (CIPHER). 2011-2015: \$2,539,085. Administering institution: University of Western Sydney.

Scott A, Joyce C, Humphreys J, Kalb G. Centre for Research Excellence in Medical Workforce Dynamics. Medicine in Australia: Balancing Employment and Life (MABEL). 2011-2016: \$2,496,646. Administering institution: University of Melbourne.

Stewart S, Brown A, Thompson D, Stocks N, Scuffham P, Eades, Carrington M, Sliwa K, Maguire G. Centre of Research Excellence to Reduce Inequality in Heart Disease. 2012-2017: \$2,493,649. Administering institution: Baker IDI.

Development Grants

Berger PJ, Hamilton GS, Naughton MT, Edwards BA, Sands SA, Cooke JR. Development of an effective therapy for Cheyne-Stokes breathing in heart failure. 2012-2014: \$584,700. Administering institution: Monash University.

Febbraio M, Cowley M, Adams T. Development of a modified gp130 ligand to treat obesity-induced insulin resistance. 2012-2013: \$424,363. Administering institution: Baker IDI.

Hagemeyer C. Site-specific bioconjugation to improve antibody drug conjugate production. 2012-2013: \$391,805. Administering institution: Baker IDI.

Kaye D. Development of an extended release oral formulation of milrinone for patients with advanced heart failure. 2013-2014: \$455,000. Administering institution: Baker IDI.

Meikle P, Kingwell B, Dart AM, Pekarsky B. Plasma lipid profiling for risk assessment of unstable coronary artery disease. 2012-2013: \$499,750. Administering institution: Baker IDI.

Peter K, Hagemeyer C, Krippner G, Adams T. Development of platelet-targeted nanoparticles for magnetic resonance imaging towards the detection of thrombi/emboli and vulnerable atherosclerotic plaques. 2011-2013: \$586,996. Administering institution: Baker IDI.

Peter K, Sampson D, Lorensen K. Development of a catheter-based device for the detection of vulnerable atherosclerotic plaques. 2013-2014: \$545,507 Administering institution: Baker IDI.

Enabling Grants

Bellomo R, Cooper DJ, Myburgh J, Finfer S. National Centre for Intensive Care Research. 2010-2015: \$2,500,000. Administering institution: Monash University.

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McLean C. National Network of Brain Banks. 2010-2014: \$2,536,000. Administering institution: Mental Health Research Institute.

European Union Collaborative Research Grants

Sim M, Milne E, Benke G, Armstrong B. Risk of brain cancer from exposure to radiofrequency fields in childhood and adolescence. 2009-2013: \$693,550. Administering institution: Monash University.

Zimmet P, Curran J, Bozaoglu K. Identification of epigenetic markers underlying increased risk of T2D in South Asians. 2012-2014: \$218,078. Administering institution: Baker IDI.

Partnership Projects

Barker A. A multi-centre RCT to prevent secondary falls in older people presenting to the emergency department with a fall. 2013-2015: \$1,488,315. Administering institution: Monash University.

Lewin S, Fairley C, Elliott J, Crooks L, Watson J, Kidd M, Battersby M, Akualcin J. HealthMap: a cluster randomised trial of interactive self-care plans to prevent and manage chronic conditions by people living with HIV. 2011-2016: \$1,500,000. Administering institution: Monash University.

Middleton J, Cameron P, McClure R, Marshall R, Bowen D, Harrison J, Lyons N, Brown D. Right care, right time, right place: improving outcomes for people with spinal cord injury through early intervention and improved access to specialised care. 2012-2015: \$1,068,089. Administering institution: University of Sydney.

Zoungas S. The diabetes renal project: better outcomes for patients with diabetes and chronic kidney disease. 2012-2015: \$628,148. Administering institution: Monash University.

Project Grants

Abramson M, Dharmage S, Benke G, Thompson B. Third Euro-Australian Respiratory Health Survey. 2011-2013: \$343,028. Administering institution: Monash University.

Alderuccio F. Immune tolerance in experimental autoimmune encephalomyelitis following transplant of bone marrow cells genetically encoding autoantigen. 2011-2013: \$327,524. Administering institution: Monash University.

Allen T, Chai Z. Modulation of TGF-beta signalling by CDA1 in the diabetic vasculature. 2012-2014: \$506,250. Administering institution: Baker IDI.

Allen T, Cooper M. Angiotensin II AT2 receptor in diabetic atherosclerosis. 2012-2014: \$488,322. Administering institution: Baker IDI.

Andrews R, Ramshaw H, Cranmer S. A newly identified role for 14-3-3zeta protein in thrombosis and platelet procoagulant activity. 2013-2015: \$537,124. Administering institution: Monash University.

Barker A, Brand C, Haines T, Hill K, Brauer S, Jolley D, Botti M. Falls prevention in the acute hospital setting: a multi-centre cluster randomised controlled trial of efficacy, cost effectiveness and sustainability of the 6-PACK program. 2011-2014: \$1,179,850. Administering institution: Monash University.

Barry A, Reeder J, Tavul L. Var gene diversity and naturally acquired immunity to malaria. 2011-2013: \$329,530. Administering institution: Burnet Institute.

Beeson J, Rogerson S. Surface antigens of Plasmodium falciparum-infected erythrocytes and immunity to malaria in humans. 2013-2015: \$578,502. Administering institution: Burnet Institute.

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Bellomo R. The Australasian Resuscitation in Sepsis Evaluation – randomised controlled trial – continuation funding request. 2012-2013: \$349,790. Administering institution: Monash University.

Bellomo R, Cooper DJ, Street A, Nichol A, French CJ, Presneill JJ. Erythropoietin in traumatic brain injury (EPO-TBI). 2009-2013: \$1,886,655. Administering institution: Monash University.

Bernard S, Cameron P, Jacobs I, Smith K, Finn J. The RINSE Trial: the Rapid Infusion of Cold Normal Saline by paramedics during CPR. 2011-2014: \$677,888. Administering institution: Monash University.

Bobik A, Toh BH, Tipping P. CD4 NKT cells and atherosclerosis: molecular mechanisms and therapeutic strategies for suppression. 2012-2014: \$487,260. Administering institution: Baker IDI.

Bobik A, Toh BH, Tipping P. Regulatory T cells and Cardiac Fibrosis in Hypertensive Heart Disease: Cellular and Molecular Mechanisms of Suppression. 2013-2015: \$690,627. Administering institution: Baker IDI.

Bozaoglu K. Chemerin may be a novel therapeutic target for modulation of adipose tissue mass. 2012-2014: \$516,325. Administering institution: Baker IDI.

Bozaoglu K, Blangero J, Nyholt D. Exome sequencing by NGS to identify rare variants affecting Type 2 diabetes. 2012-2014: \$553,510. Administering institution: Baker IDI.

Brown A, Carrington M, Eades S, Thompson D, Zeitz C. The Central Australian Heart Protection Study: a randomised trial of nurse-led, family based secondary prevention of acute coronary syndromes. 2011-2015: \$1,830,401. Administering institution: Baker IDI.

Cameron P, Lewin S, Chomont N. HIV latency and regulation of HIV life cycle. 2013-2015: \$489,927. Administering institution: Monash University.

Carey A. Adrenergic activation of brown adipose tissue in humans. 2012-2013: \$314,950. Administering institution: Baker IDI.

Churchill M, Gorry P, Wesselingh S. Viral Determinants of HIV-1 Transcriptional Latency in the Central Nervous System. 2013-2015: \$610,658. Administering institution: Burnet Institute.

Cooper DJ. STandaRd Issue TRANSfusion versus Fresher red blood cell Use in intenSive carE (TRANSFUSE): a randomised controlled trial. 2012-2015: \$2,761,870. Administering institution: Monash University.

Cooper DJ, Bernard S, Rosenfeld J, Cameron P. POLAR - Prophylactic hypothermia trial to lessen traumatic brain injury: a randomised controlled trial. 2009-2013: \$1,998,578. Administering institution: Monash University.

Cooper M, Chai Z, Cao Z. Novel strategy to reduce renal fibrosis. 2011-2013: \$558,390. Administering institution: Baker IDI.

Cooper M, El-Osta A, Jandeleit-Dahm K. Role of Set7 in diabetes related end-organ injury. 2012-2014: \$864,770. Administering institution: Baker IDI.

Coughlan M. Does excess consumption of dietary advanced glycation end products activate the complement pathway contributing to diabetic nephropathy? 2013-2015: \$454,373. Administering institution: Baker IDI.

Curtis D, Pimanda J, McCormack M. The bHLH transcription factor LYL1 in normal and leukemic haematopoiesis. 2013-2015: \$502,964.28. Administering institution: Monash University.

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de Courten B, Scragg R, Walker K, de Courten M. Can vitamin D prevent diabetes by improving insulin sensitivity and secretion in overweight humans? 2014-2016: \$647,961. Administering institution: Baker IDI.

Dietze P, Aitken C, Jolley D, Hickman M, Kerr T, Stoové M. The natural history of injecting drug use among IDU in Melbourne. 2009-2013: \$739,698. Administering institution: Monash University.

Du XJ. Beta-adrenergic activation: a double-edged sword on cardiac angiogenesis. 2011-2013: \$352,524. Administering institution: Baker IDI.

Du XJ, Hewitson T, Samuel C. Relaxin therapy reverses large artery remodelling and stiffening in aged and hypertensive models. 2011-2013: \$429,615. Administering institution: Baker IDI.

Dunstan D, Healy G, Owen N, Eakin E, LaMontagne A, Moodie M. Reducing prolonged workplace sitting time in office workers: a cluster-randomised controlled trial. 2011-2013: \$506,996. Administering institution: Baker IDI.

Drummer H. Roles of the hepatitis C virus glycoprotein E2 variable regions in virus entry, immunogenicity and immune evasion. 2012-2014: \$659,685. Administering institution: Burnet Institute.

Eades S, McNamara B, Stanley F, Pearson G, Langridge A. Intergenerational determinants of foetal growth in Aboriginal Western Australians. 2011-2013: \$381,605. Administering institution: Baker IDI.

Eades S, Sanson-Fisher R, Paul C, Zimmet P, Carey M, Wenitong M. A cluster randomised trial to test a systems-based collaborative for Type 2 diabetes among Indigenous Australians. 2010-2014: \$1,311,000. Administering institution: Baker IDI.

Eisen D, Leder K, McBryde E, Wolfe R, Pilcher D, Woods R. The AspiriN To Inhibit SEPSIS (ANTISEPSIS) trial; an ASPREE substudy to measure the benefit of low dose aspirin in the prevention of severe sepsis. 2013-2017: \$391,879. Administering institution: Monash University.

Ei-Osta A, Du XJ. Regulating gene expression changes in cardiac hypertrophy. 2012-2014: \$667,350. Administering institution: Baker IDI.

Ei-Osta A, Thomas M, Tikellis C. Exploring the upstream mediators of metabolic memory. 2013-2015: \$614,104. Administering institution: Baker IDI.

Esler M, Vaddadi G, Lambert E. Reducing the burden of orthostatic intolerance – delineating mechanisms and improving therapy. 2011-2013: \$397,524. Administering institution: Baker IDI.

Febbraio M. An essential role for skeletal muscle FoxO1 in protecting against obesity-induced insulin resistance. 2011-2013: \$573,390. Administering institution: Baker IDI.

Febbraio M. Blocking IL-6 trans-signalling: a therapeutic strategy to prevent metabolic disease. 2013-2015: \$521,975. Administering institution: Baker IDI.

Febbraio M. IC7: a gp130 receptor ligand to treat type 2 diabetes. 2013-2015: \$578,169. Administering institution: Baker IDI.

Febbraio M, Bruce C, McGee S. Activation of HSP72 in skeletal muscle as a therapeutic target for obesity. 2011-2013: \$633,390. Administering institution: Baker IDI.

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Fisher J. A brief couple-focused psychoeducational intervention to prevent postnatal mental health problems in women: a cluster randomised trial. 2012-2014: \$679,499. Administering institution: Monash University.

Fitzgerald P, Barton D, Hoy K. A randomised controlled trial of magnetic seizure therapy in major depressive disorder. 2011-2013: \$359,208. Administering institution: Monash University.

Fitzgerald P, Hoy K. Accelerated repetitive transcranial magnetic stimulation in the treatment of depression. 2013-2015: \$471,252. Administering institution: Monash University.

Forbes A, Gurrin L, Hodge A. Mediterranean diet and mortality: analysis of longitudinal dietary patterns using newly developed statistical methods. 2011-2013: \$330,058. Administering institution: Monash University.

Fowkes F. Human malarial immunity and risk of malaria post-partum and during infancy. 2013-2015: \$254,165. Administering institution: Burnet Institute.

Gabbe B. Improving the measurement of non-fatal injury burden – validating the Global Burden of Disease (GBD) project through synthesis and analysis of the six leading injury outcome cohort studies from around the world. 2012-2013: \$151,755. Administering institution: Monash University.

Gavin A. The role of NOD proteins in T cell development and function. 2011-2013: \$337,524. Administering institution: Burnet Institute.

Gerondakis S. The NF- κ B transcription factors c-Rel and RelA control multiple steps in natural CD4 regulatory T cell development. 2012-2014: \$548,005. Administering institution: Monash University.

Gibson P, Muir J, Boyd B. Use of oral enzymes to treat carbohydrate intolerance: adjunct therapy to the low FODMAP dietary treatment of irritable bowel syndrome. 2013-2015: \$590,365. Administering institution: Monash University.

Glass D. Immunological and respiratory effects among workers exposed to engineered nanoparticles. 2012-2014: \$499,222. Administering institution: Monash University.

Gorry P. Elucidating unique molecular mechanisms involved in HIV-1 subtype C pathogenicity. 2012-2014: \$686,365. Administering institution: Burnet Institute.

Gorry P, Churchill M, Lewin S. Elucidating the flexibility of co-receptor engagement by HIV-1 important for macrophage tropism and escape from entry inhibitors. 2011-2013: \$613,194. Administering institution: Burnet Institute.

Green S, Jeffery J, McDonald S, Lahra M, Laopaiboon M, McKenzie J, Lumbiganon P. SEA-URCHIN: South East Asia - Using Research for Change in Hospital-acquired Infection in Neonates. 2011-2015: \$2,219,157. Administering institution: Monash University.

Gregorevic P, Harvey K. Investigating Hippo signalling as a novel cause of muscle disease and as a target for new interventions to combat frailty. 2011-2013: \$444,615. Administering institution: Baker IDI.

Gruen R, Mitra B, GNT1044894: Bernard S, Jacobs I, Medcalf R, Reade M, Tran H. Pre-hospital Antifibrinolytics for Traumatic Coagulopathy and Haemorrhage (The PATCH Study). 2013-2016: \$1,668,152. Administering institution: Monash University.

Guthridge M. Dual inhibition of independent cell survival pathways as a new approach for targeting leukaemic stem cells. 2012-2014: \$543,675. Administering institution: Monash University.

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Guthridge M, Nilsson S. The role of osteopontin in leukaemia. 2011-2013: \$585,048. Administering institution: Monash University.

Hagemeyer C, Johnston A, Peter K. Antibody targeted thrombin-activatable μ -plasminogen fusion proteins and nanocapsules for the treatment of acute thrombosis. 2012-2014: \$518,675. Administering institution: Baker IDI.

Hamilton J. Defining the function of the thrombin receptor, PAR4, on human platelets. 2013-2015: \$522,270. Administering institution: Monash University.

Head G, Allen A, Davern P. Importance of the brain renin-angiotensin system for regulating blood pressure and cardiovascular autonomic function. 2011-2013: \$588,390. Administering institution: Baker IDI.

Head G, Davern P. Role of the paraventricular hypothalamus in angiotensin induced neurogenic hypertension. 2013-2015: \$431,586.68. Administering institution: Baker IDI.

Hibbs M, Anderson G. Defining subpopulations of pathogenic macrophages underlying lung diseases. 2011-2013: \$618,390. Administering institution: Monash University.

Hibbs M, Tarlinton D. Defining the cellular and molecular mechanisms underlying autoimmunity using a model of SLE. 2011-2013: \$603,390. Administering institution: Monash University.

Hogarth P, Wines B, Powell M, Baker R. Structure and function of receptors for IgG (Fc γ R). 2011-2013: \$655,074. Administering institution: Burnet Institute.

Holland A, McDonald C, Mahal A. Benefits and costs of home-based pulmonary rehabilitation in chronic obstructive pulmonary disease. 2013-2015: \$364,360. Administering institution: La Trobe University.

Jackson S. Investigation of the proinflammatory function of platelets during ischaemia-reperfusion injury. 2013-2015: \$533,642. Administering institution: Monash University.

Jackson S. Investigation of a new leukocyte recruitment mechanism at sites of vascular injury. 2012-2014: \$528,675. Administering institution: Monash University.

Jackson S. Investigation of a novel mechanism causing platelet hyperactivity in diabetes. 2013-2016: \$562,892. Administering institution: Monash University.

Jackson SP, Hamilton J. Investigating the role of type II PI 3-kinases in platelet function. 2011-2013: \$429,615. Administering institution: Monash University.

Jackson SP, Nesbitt WS. Investigating biomechanical platelet activation mechanisms. 2011-2013: \$496,706. Administering institution: Monash University.

Jandeleit-Dahm K, Thomas M, Tikellis C. The role of methylglyoxal and RAGE in diabetes associated atherosclerosis. 2013-2015: \$454,375.35. Administering institution: Baker IDI.

Jandeleit-Dahm K, Schmidt H, de Haan J, Wingler K. NOX isoforms in diabetes associated vascular injury: implications for therapeutic strategies. 2011-2013: \$426,273. Administering institution: Baker IDI.

Jane SM. The role of the mammalian Grainyhead-like gene family in neural tube closure. 2013-2015: \$613,612. Administering institution: Monash University.

Jane SM, Pearson R, Darido C. Translating molecular insights in squamous cell carcinoma into novel therapeutics. 2013-2016: \$823,336. Administering institution: Monash University.

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Jane SM, Wilanowski T. A novel genetic element controlling adult haemoglobin production. 2012-2014: \$477,260. Administering institution: Monash University.

Jane SM, Wilanowski T. Identification of critical factors for the establishment and maintenance of the epidermal barrier. 2012-2014: \$648,675. Administering institution: Monash University.

Jane SM, Zhao Q, Street I, Parisot J. Identification of novel mechanisms governing stage-specific regulation of the human globin genes. 2011-2013: \$551,881. Administering institution: Monash University.

Jaworowski A, Crowe S, Cameron P, Elliott J. A longitudinal study of natural killer cell function in HIV-infected individuals initiating therapy. 2013-2015: \$598,938. Administering institution: Burnet Institute.

Kinner S, Preen D, Lennox N, Butler T, Power R, Ober C, Ware R. Improving the health of Indigenous and non-Indigenous ex-prisoners: a multi-jurisdictional, mixed-methods study. 2011-2014: \$1,386,769. Administering institution: Burnet Institute.

Kulkarni J. Adjunctive hormone therapy for treatment resistant depression in perimenopausal women. 2013-2015: \$599,514. Administering institution: Monash University.

Kulkarni J, Barton D, Gurvich C. Selective estrogen receptor modulators - a new adjunctive treatment for men with schizophrenia? 2013-2015: \$788,419. Administering institution: Monash University.

Lahoud M. Molecular characterisation of the dendritic cell receptor Clec9a and its ligand interactions. 2012-2014: \$640,405. Administering institution: Burnet Institute.

Lambert G, Barton D. Interactions between the serotonin transporter and sympathetic nervous activation in patients with major depressive disorder - Understanding the link between the brain and the heart. 2012-2014: \$509,250. Administering institution: Baker IDI.

Lambert G, Barton D, Dixon J, Straznicky N. A randomised trial examining the effectiveness of sympathetic nervous inhibition in alleviating the metabolic side effects of antipsychotic medications in patients with schizophrenia. 2012-2014: \$461,250. Administering institution: Baker IDI.

Lambert G, Teede H, Dixon J, Tilbrook A. Polycystic ovary syndrome - targeting the sympathetic nervous system to improve outcomes. 2012-2014: \$341,175. Administering institution: Baker IDI.

Lazarus R, Blangero J, Bozaoglu K. Genetics to function: identifying transcripts mediating the biological effects of GWAS SNPs. 2012-2014: \$423,579. Administering institution: Baker IDI.

Lee-Young R. Understanding the metabolic consequences of impaired AMPK α 2 and nNOS μ in skeletal muscle: implications for the metabolic syndrome. 2011-2013: \$556,706. Administering institution: Baker IDI.

Leslie K, Myles P, Paech M, Story D, Chow C. POISE-2: a large, international, placebo-controlled, factorial trial to assess the impact of clonidine and aspirin in patients undergoing non-cardiac surgery who are at risk of a perioperative cardiovascular event. 2011-2015: \$1,136,310. Administering institution: Monash University.

Leslie K, Short T, Chan M, Myles P, Paech M, Corcoran T. The influence of anaesthetic depth on patient outcome after major surgery. 2013-2017: \$2,893,794. Administering institution: Monash University.

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Lewin S, Cameron P, Jaworowski A, Cunningham A. The role of chemokines in establishing HIV latency. 2011-2013: \$359,208. Administering institution: Monash University.

Lewin S, Churchill M, Wesselingh S. Histone deacetylase inhibitors and HIV latency. 2011-2013: \$593,416. Administering institution: Monash University.

Lewin S, Matthews G, Torresi J, Crane M. Liver disease in HIV-HBV co-infection. 2012-2015: \$682,330. Administering institution: Monash University.

Liu J-P. Studies of novel manganese transporter in lysosomes and its implications in Niemann-Pick type-C disease. 2011-2013: \$506,706. Administering institution: Monash University.

Mackay F, Hertzog P. The role of BAFF, its receptor TACI and toll-like receptors in autoimmunity and tolerance. 2011-2013: \$470,022. Administering institution: Monash University.

Magliano D, Shaw J, Huxley R, Balkau B, Davis W. The Australian and New Zealand Diabetes and Cancer Collaboration. 2011-2013: \$398,591. Administering institution: Baker IDI.

Magliano D, Shaw J, Peeters A, Kookana R, Melzer D, Mueller J. The role of Bisphenol A in the development of chronic disease. 2012-2013: \$384,002. Administering institution: Baker IDI.

McMullen J. Manipulating cardiac-selective PI3K targets to reverse heart failure progression. 2011-2013: \$514,615. Administering institution: Baker IDI.

McMullen J. PI3K-regulated heat shock proteins and microRNAs as new treatment strategies for atrial fibrillation. 2011-2013: \$534,615. Administering institution: Baker IDI.

McMullen J. Targeting PI3K-regulated lipids to treat heart failure. 2013-2015: \$472,889. Administering institution: Baker IDI.

McMullen J, Lin R. The cardioprotective role of PI3K-regulated small non-coding RNAs. 2013-2015: \$589,695. Administering institution: Baker IDI.

McNeil J, Guymer R, Robman L, Woods R. Low dose aspirin and age-related macular degeneration: randomised controlled trial. 2013-2017: \$991,797. Administering institution: Monash University.

Medcalf R, Lawrence D. Proteases and protease-inhibitor complexes as modulators of traumatic brain injury severity. 2013-2015: \$592,142. Administering institution: Monash University.

Medcalf R, Mitchell A. New approaches to improve thrombolysis in ischaemic stroke. 2013-2015: \$565,847. Administering institution: Monash University.

Meikle P, Best J. Lipidomic analysis of the FIELD trial: mechanism of action and prediction of response to fenofibrate treatment in type 2 diabetes. 2013-2015: \$621,134. Administering institution: University of Sydney.

Meikle P, Tonkin A, Jowett J, Kowalczyk A, Hillis G, Zoungas S, Thompson P. Metabolomic insights into the pathogenesis and risk assessment of unstable coronary artery disease. 2012-2014: \$847,185. Administering institution: Baker IDI.

Millar I, Williamson O, Cameron P, Myles P. Hyperbaric oxygen in lower limb trauma: a randomised controlled clinical trial. 2008-2012: \$684,375. Administering institution: Monash University.

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Myles P, Bellomo R, Christophi C, Corcoran T, Forbes A, Peyton P, Story D. Restrictive versus Liberal Fluid Therapy in Major Abdominal Surgery: The RELIEF Trial. 2013-2016: \$2,384,173. Administering institution: Monash University.

Myles P, Silbert B, Cooper DJ, McNeil J. Completion of the ATACAS trial. 2011-2014: \$3,328,614. Administering institution: Monash University.

Nichol A, Davies A, Hodgson C, Fraser J, Bersten A, Cooper DJ. A multi-centre RCT of an open lung strategy including permissive hypercapnia, alveolar recruitment and low airway pressure in patients with ARDS. 2012-2015: \$997,535. Administering institution: Monash University.

O'Hehir R, Rolland J. Human CD4+ T cell epitope-based therapeutic for peanut allergy. 2011-2013: \$389,208. Administering institution: Monash University.

O'Hehir R, Rolland J, Bruce C, Hardy C. Impaired respiratory tolerance in obesity – the link with asthma? 2012-2014: \$644,685. Administering institution: Monash University.

O'Keeffe M, Radford K, Banerjee A. Production of interferon lambda by dendritic cell subsets and role in adjuvant effects of poly I:C. 2011-2013: \$383,028. Administering institution: Burnet Institute.

Oldenburg B, Hare D, Taylor C, McKenzie D, Forbes A, Sanderson K, Clarke D, Hollingsworth S. A prospective cohort study investigating the relationships between negative emotions, biomarkers and long term functioning in post-MI patients. 2012-2015: \$851,071. Administering institution: Monash University.

Oldenburg B, Thankappan K, Tapp R, Zimmet P, Jolley D, Hollingsworth B, Fisher E. Kerala Diabetes Prevention Program (K-DPP): a cluster RCT of its effectiveness and cost-effectiveness. 2011-2015: \$1,046,991. Administering institution: Monash University.

Peeters A. Predicting the impact of current obesity and diabetes trends on future prevalence of cardiovascular disease in Australia. 2012-2013: \$217,430. Administering institution: Baker IDI.

Peeters A, Wolfe R, Barendregt J, Backholer K. Implications of the increasing duration of life spent with obesity for population health. 2013-2014: \$245,631. Administering institution: Baker IDI.

Peleg AY. Characterizing the molecular mechanisms of clinically important bacterial-fungal interactions; the potential to uncover novel therapeutic targets. 2011-2013: \$472,438. Administering institution: Monash University.

Peter K. Developing functionalised microbubbles for molecular ultrasound imaging, drug and microRNA delivery. 2013-2015: \$653,597. Administering institution: Baker IDI.

Peter K, Bobik A. Preventing myocardial infarction: A mouse model of atherosclerotic plaque instability/rupture as unique tool for establishing novel pharmacological strategies and targeted molecular imaging. 2011-2013: \$566,706. Administering institution: Baker IDI.

Peter K, Hagemeyer C, Ackermann U, O'Keefe G. Novel ¹⁸F and ⁶⁴Cu labelled targeted nanoparticles for molecular positron emission tomography: A means for early and sensitive detection of thrombosis, inflammation and vulnerable, rupture-prone atherosclerotic plaques. 2012-2014: \$553,510. Administering institution: Baker IDI.

Piterman L, Paul CL, Gibberd R, Shaw JE. RCT of continuing medical education and feedback to altering diabetes population outcomes. 2009-2013: \$900,825. Administering institution: Monash University.

Plebanski M, O'Hehir R, Hardy C, Friend J, Rolland J. Mechanisms of nanoparticle-mediated inhibition of asthma. 2011-2013: \$615,903. Administering institution: Monash University.

NHMRC GRANTS CURRENT IN 2013

Ponsford J, Rajaratnam SW. Efficacy of melatonin for sleep disturbance following traumatic brain injury. 2012-2014: \$217,407. Administering institution: Monash University.

Poumbourios P, Drummer H, Yuriev E. Elucidating the activation mechanism of the HIV-1 envelope glycoproteins, gp120-gp41. 2011-2013: \$615,074. Administering institution: Burnet Institute.

Reeder J, Barry A, Mueller I, Siba P. Population genomics of *Plasmodium vivax* in Papua New Guinea. 2011-2013: \$576,706. Administering institution: Burnet Institute.

Reid C, Liew D, Owen A, Williamson E, Ademi Z. Modelling of clinic and ambulatory blood pressure on cardiovascular risk and outcomes. 2013-2017: \$130,480. Administering institution: Monash University.

Ritchie R, Gao XM, Yang Y. Annexin-A1 agonists rescue cardiac contractile function after myocardial infarction. 2013-2015: \$599,972. Administering institution: Baker IDI.

Schlaich M. Renal denervation to improve outcomes in patients with end-stage renal disease. 2013-2015: \$992,544. Administering institution: Baker IDI.

Schlaich M, Head G, Denton K. Mechanisms and consequences of renal denervation in chronic kidney disease. 2013-2015: \$1,247,960. Administering institution: Baker IDI.

Schlaich M, Lambert G. Renal denervation for uncontrolled hypertension. 2012-2016: \$2,073,675. Administering institution: Baker IDI.

Schlaich M, May C. Catheter based renal denervation to improve outcomes in congestive heart failure. 2011-2013: \$598,533. Administering institution: Baker IDI.

Schoenwaelder S, Jackson S. The role of PI 3-kinase p110beta in regulating thrombus porosity. 2013-2015: \$500,502. Administering institution: Monash University.

Schoenwaelder S, Josefsson E. Investigating the contribution of distinct mitochondrial cell death pathways to platelet survival and function. 2012-2014: \$613,375. Administering institution: Monash University.

Shaw J, Zimmet P, Anstey K, Kavanagh A, Atkins R, Chadban S, Dunstan D, Balkau B. AusDiab 3: emerging risk factors for and long-term incidence of cardio-metabolic diseases. 2011-2014: \$2,537,113. Administering institution: Baker IDI.

Shehabi Y, Bellomo R, Reade M, Seppelt I, McArthur C, Bailey M, Howe B. Early goal-directed sedation compared with standard care in mechanically ventilated critically ill patients: a prospective multicentre randomised controlled trial. 2013-2017: \$2,752,725. Administering institution: Monash University.

Stewart S, Horowitz J, Carrington M, Scuffham P, Wong C, Newton P, Rischbieth A. Which Heart failure Intervention is most Cost effective in reducing Hospital care (WHICH? II) Trial: A multicentre, randomised trial of standard versus intensified management of metropolitan and regional-dwelling patients with heart failure. 2013-2016: \$1,817,824. Administering institution: Baker IDI.

Stoové M, Kinner S, Butler T, Aitken C, Ogloff J, Dietze P. A prospective cohort study of ex-prisoners with a history of injecting drug use: examining health service utilisation, physical and mental health and blood borne virus trajectories. 2012-2016: \$956,019. Administering institution: Burnet Institute.

NHMRC GRANTS CURRENT IN 2013

Storey E. Mechanisms of ataxia in spinocerebellar ataxia type 1 transgenic mice. 2013-2015: \$348,864. Administering institution: Monash University.

Storey E, Ward S, Woods R, Hamilton G, Janke A, Kawasaki R, Naughton M. The SNORE-ASA study: a study of neurocognitive outcomes, radiological and retinal effects of aspirin in sleep apnoea. 2012-2016: \$850,000. Administering institution: Monash University.

Sviridov D, Bukrinsky M, Slobedman B, Mukhamedova N. ABCA1 – an intersection between infection, atherosclerosis and metabolic disorders. 2012-2014: \$631,671. Administering institution: Baker IDI.

Sviridov D, Remaley A, Shaw J, Turner S. Novel apolipoprotein A-I mimetic peptides: a research tool and a therapeutic agent to study and treat atherosclerosis. 2011-2013: \$389,208. Administering institution: Baker IDI.

Sviridov D, Smyth I, Jowett J, Fu Y, Kellsell D. ABCA12 – a new regulator of cellular lipid metabolism. 2012-2014: \$699,685. Administering institution: Baker IDI.

Tachedjian G, Cone R, Perlmutter P. Lactic acid as a natural microbicide for HIV. 2012-2014: \$577,350. Administering institution: Burnet Institute.

Tachedjian G, Gorry P, Ramsland P, Aguilar M-I. Elucidating the mechanism of action of dendrimer nanoparticles against HIV. 2011-2013: \$540,048. Administering institution: Burnet Institute.

Taylor A. The role of diffuse myocardial fibrosis in myocardial stiffness. 2012-2015: \$479,940. Administering institution: Baker IDI.

Teede H, Lombas C, Zoungas S, Keating C. Preventing weight gain in young to mid-aged women living in rural communities: a cluster randomised controlled trial. 2012-2015: \$863,888. Administering institution: Monash University.

Ting S, Curtis D. Endocytosis and asymmetric cell division in leukaemia. 2013-2015: \$529,419.64. Administering institution: Monash University.

Ting S, Russell S, Savageau G. The role of Ap2a2 in self-renewal of haematopoietic and leukemic stem cells. 2011-2013: \$505,942. Administering institution: Monash University.

Thomas M, Tikellis C. Exploring the therapeutic potential of TRAIL in diabetes and the metabolic syndrome. 2012-2014: \$431,250. Administering institution: Baker IDI.

Thompson B, Thien F, Douglass J, King G, O'Hehir R. Physiological aetiology of refractory asthma. 2011-2013: \$344,208. Administering institution: Monash University.

Urquhart D, Wluka A, Sim M, van Tulder M, Forbes A, Gibson S. Is low dose amitriptyline more effective than placebo in the management of chronic, neuropathic low back pain? A double-blind, randomised, placebo-controlled trial with an economic evaluation. 2012-2014: \$296,155. Administering institution: Monash University.

Wang Y, Cicuttini F, Tonkin A, Hill C, Ding C. Does statin use have a disease modifying effect in symptomatic knee osteoarthritis? A multicentre randomised, double-blind, placebo-controlled trial. 2013-2015: \$971,019. Administering institution: Monash University.

Wei A, Bradstock K, Levis M, Murray M, Roberts A. A randomised study to optimise clinical outcomes in patients with FLT3 mutant AML. 2013-2017: \$1,111,891. Administering institution: Monash University.

NHMRC GRANTS CURRENT IN 2013

Wilkinson-Berka J, Campbell D, Slattery R, Miler A. Prorenin and the prorenin receptor in diabetic retinopathy: involvement of the Wnt pathway and inflammation. 2011-2013: \$560,022. Administering institution: Monash University.

Wilkinson-Berka J, Peti-Peterdi J, Miller A. Evaluating the link between the GPR91 receptor and renin in the pathogenesis of diabetic retinopathy. 2011-2013: \$470,022. Administering institution: Monash University.

Woodcock E, Grubb D. SHANK3 as a target to reduce hypertrophy and heart failure. 2011-2013: \$530,048. Administering institution: Baker IDI.

Woodcock E, Iismaa S. Identification of novel targets for treatment of heart failure. 2012-2014: \$470,286. Administering institution: Baker IDI.

Woodcock E, Kistler P. Phospholipase C β 1b, a target to limit atrial dilatation. 2011-2013: \$526,299. Administering institution: Baker IDI.

Wright M. The role of the tetraspanins CD37 and CD82 in leukocyte migration. 2012-2014: \$358,510. Administering institution: Monash University.

Australia Fellowships

Cooper M. 2009-2013. Administering institution: Baker IDI.

Jackson S. 2010-2014. Administering institution: Monash University.

Research Fellowships

Allen T. 2008-2013. Administering institution: Baker IDI.

Andrews R. 2011-2015. Administering institution: Monash University.

Clifton P. 2012-2016. Administering institution: Baker IDI.

Crowe S. 2013-2017. Administering institution: Burnet Institute.

Dart A. 2010-2014. Administering institution: Baker IDI.

Davis S. 2013-2017. Administering institution: Monash University.

Degenhardt L. 2011-2013. Administering institution: Burnet Institute.

Dietze P. 2011-2015. Administering institution: Burnet Institute.

Dixon J. 2010-2014. Administering institution: Baker IDI.

Drummer H. 2013-2017. Administering institution: Burnet Institute.

Du XJ. 2013-2017. Administering institution: Baker IDI.

El-Osta A. 2009-2013. Administering institution: Baker IDI.

Esler M. 2010-2014. Administering institution: Baker IDI.

Febbraio MA. 2012-2016. Administering institution: Baker IDI.

Gerondakis S. 2011-2015. Administering institution: Monash University.

Head G. 2011-2015. Administering institution: Baker IDI.

Hellard M. 2009-2013. Administering institution: Burnet Institute.

Hibbs M. 2010-2014. Administering institution: Monash University.

Jackson D. 2009-2013. Administering institution: Burnet Institute.

Jandeleit-Dahm K. 2009-2013. Administering institution: Baker IDI.

Kaye D. 2013-2017. Administering institution: Baker IDI.

Kent S. 2008-2012. Administering institution: University of Melbourne.

Kingwell B. 2009-2013. Administering institution: Baker IDI.

Lambert G. 2013-2017. Administering institution: Baker IDI.

Mackay F. 2012-2016. Administering institution: Monash University.

McMullen J. 2010-2014. Administering institution: Baker IDI. (Honorary)

Medcalf RL. 2013-2017. Administering institution: Monash University.

Meikle P. 2013-2017. Administering institution: Baker IDI.

Owen N. 2011-2015. Administering institution: Baker IDI.

Peter K. 2010-2014. Administering institution: Baker IDI. (Honorary)

Plebanski M. 2008-2013. Administering institution: Monash University.

NHMRC GRANTS CURRENT IN 2013

Reeder J. 2009-2013. Administering institution: Burnet Institute.
Reid C. 2013-2017. Administering institution: Monash University.
Ritchie R. 2008-2013. Administering institution: Baker IDI.
Schlaich M. 2010-2014. Administering institution: Baker IDI.
Shaw J. 2010-2014. Administering institution: Baker IDI.
Stewart S. 2013-2017. Administering institution: Baker IDI.
Sviridov D. 2010-2014. Administering institution: Baker IDI.
Tachedjian G. 2009-2013. Administering institution: Burnet Institute.
Thomas M. 2010-2014. Administering institution: Baker IDI.
Wilkinson-Berka. 2011-2015. Administering institution: Monash University.
Woodcock E. 2010-2014. Administering institution: Baker IDI.

Practitioner Fellowships

Buchbinder R. 2010-2014. Administering institution: Monash University.
Cameron P. 2009-2013. Administering institution: Monash University.
Cooper DJ. 2013-2017. Administering institution: Monash University.
Fitzgerald P. 2010-2014. Administering institution: Monash University.
Gruen R. 2012-2016. Administering institution: Monash University.
Kistler P. 2012-2016. Administering institution: Baker IDI.
Krum H. 2012-2016. Administering institution: Monash University.
Lewin SR. 2013-2017. Administering institution: Monash University.
Maguire G. 2013-2017. Administering institution: Baker IDI.
Myles P. 2013-2017. Administering institution: Monash University.

Career Development Fellowships

Carrington M. 2012-2015. Administering institution: Baker IDI.
Cheng A. 2011-2014. Administering institution: Monash University.
Gabbe B. 2013-2016. Administering institution: Monash University.
Gregorevic P. 2013-2016. Administering institution: Baker IDI.
Kinner S. 2011-2014. Administering institution: Burnet Institute.
Lee-Young R. 2013-2016. Administering institution: Baker IDI.
Leder K. 2011-2014. Administering institution: Monash University.
O'Keeffe M. 2011-2014. Administering institution: Burnet Institute.
Peeters A. 2013-2016. Administering institution: Baker IDI.
Peleg A. 2013-2016. Administering institution: Monash University.
Ting S. 2013-2016. Administering institution: Monash University.
Urquhart D. 2011-2014. Administering institution: Monash University.
Weller C. 2012-2015. Administering institution: Monash University.

Early Career Fellowships

Agostino M. 2013-2016. Administering institution: Burnet Institute.
Audsley J. 2009-2013. Administering institution: Monash University.
Bilardi J. 2011-2014. Administering institution: Monash University.
Binger K. 2012-2015. Administering institution: Baker IDI.
Chan W. 2013-2016. Administering institution: Baker IDI.
Chang J. 2008-2013. Administering institution: Monash University.
Davern P. 2011-2014. Administering institution: Baker IDI.
Dowrick A. 2011-2014. Administering institution: Alfred Health.
Drew B. 2009-2013. Administering institution: Baker IDI.
Elliott J. 2012-2015. Administering institution: Monash University.
Fowkes F. 2011-2013. Administering institution: Burnet Institute.
Gray L. 2010-2013. Administering institution: Monash University.
Hodgson C. 2012-2015. Administering institution: Monash University.
Jenkinson R. 2013-2016. Administering institution: Burnet Institute.
Lim K. 2013-2016. Administering institution: Baker IDI.
Lynch B. 2010-2015. Administering institution: Baker IDI.

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McNamara B. 2010-2015. Administering institution: Baker IDI.
O'Connor D. 2010-2013. Administering institution: Monash University.
Panjari M. 2012-2015. Administering institution: Monash University.
Peleg AY. 2010-2013. Administering institution: Monash University.
Richards J. 2012-2015. Administering institution: Burnet Institute.
Smith MZ. 2008-2013. Administering institution: Monash University.
Watson A. 2008-2013. Administering institution: Baker IDI.
Weiss G. 2013-2016. Administering institution: Burnet Institute.
Wright E. 2011-2014. Administering institution: Burnet Institute.
Zatta A. 2010-2013. Administering institution: Monash University.