



Australian Government

National Health and Medical Research Council

Development Grants for funding commencing in 2015

The Development Grants Scheme provides funding support to individual researchers, research teams, or a Health and Medical Research company in partnership with a researcher/s to undertake research at the early proof-of-principle or pre-seed stage.

The Scheme supports the commercial development of a product, process, procedure or service that if applied, would result in improved health care, disease prevention or provide health cost savings.

The 2014 Development Grants funding round opened on 26 March 2014 and closed on 25 June 2014. At the close of the round, NHMRC received 143 applications. Subsequent to the round closing, 1 application was withdrawn, leaving 142 applications to progress through NHMRC's competitive peer review process.

The applications listed below were approved for funding by the Minister for Health, the Hon. Peter Dutton on 18 December 2014.

In total, 26 Development Grants totaling \$15,178,566 are funded. These grants include:

APP ID	CI Team	Application Title	Administering Institution	Budget
1091646	CIA - Professor Gary Housley CIB - Professor Robert Shepherd CIC - Professor Nigel Lovell CID - Associate Professor Matthias Klugmann CIE - Associate Professor Catherine McMahon CIF - Associate Professor Catherine Birman CIG - Professor James Patrick CIH - Professor Paul Carter	Closing the neural gap in the bionic ear	University of New South Wales	\$768,514
1091996	CIA - Professor Stuart Crozier CIB - Doctor Jurgen Fripp CIC - Doctor Craig Engstrom CID - Doctor Benjamin Schmitt CIE - Professor Charles Ho	Development of a non-invasive magnetic resonance based cartilage damage assessment technique	University of Queensland	\$539,038
1092808	CIA - Professor Leann Tilley CIB - Professor Susan Charman	Proteasome inhibitors as reversers of resistance to artemisinin-based antimalarials	University of Melbourne	\$461,518

1092904	CIA - Professor Douglas Brooks CIB - Associate Professor Lisa Butler CIC - Professor John O'Leary	Development of effective biomarkers for the diagnosis and prognosis of Prostate Cancer	University of South Australia	\$1,029,873
1093062	CIA - Associate Professor Philip Thompson	Isoform selective PI3 kinase inhibitors for cancer, thrombosis and inflammatory disease	Monash University	\$462,809
1093184	CIA - Doctor Mark Green CIB - Doctor Bryon Wright CIC - Doctor Teija Peura CID - Mr Sam Lanyon	Development of a novel microfluidic device to treat male infertility	University of Melbourne	\$492,574
1093186	CIA - Professor Paul Keall CIB - Professor Judy Kay CIC - Doctor Ricky O'Brien CID - Professor Tomas Kron CIE - Professor Peter Greer CIF - Mr Malcolm Hebblewhite CIG - Doctor Amit Sawant	Breathe Well: Improving cancer imaging and targeted radiotherapy using audiovisual biofeedback	University of Sydney	\$588,475
1093256	CIA - Associate Professor Michael Lerch CIB - Professor Anatoly Rozenfeld CIC - Doctor Marco Petasecca CID - Doctor Susanna Guatelli CIE - Doctor Daniel Hausermann CIF - Doctor Alberto Bravin	X-RATE: A novel radiation detector platform to realize new opportunities in radiotherapy at the Australian Synchrotron	University of Wollongong	\$337,077
1093304	CIA - Professor Andrew Scott CIB - Doctor Peter Janes CIC - Professor Dimitar Nikolov CID - Professor Mark Sleeman	Humanisation and pre-clinical validation of a therapeutic anti-cancer antibody	Ludwig Institute for Cancer Research Ltd	\$678,236
1093307	CIA - Professor Anthony Weiss CIB - Professor Fariba Dehghani CIC - Professor Glenn Edwards	Biothermosetting bone filler: an injectable osteoconductive repair material	University of Sydney	\$587,542
1093311	CIA - Professor Daniel Schofield	Formulation of a pan-species, multi-stage vaccine for the malaria eradication agenda	Walter and Eliza Hall Institute of Medical Research	\$755,447
1093314	CIA - Professor Sunita Chauhan	Robotic Surgical System for Image Guided Non-invasive Focused Ultrasound Induced Ablation of Liver Cancers	Monash University	\$564,492
1093319	CIA - Doctor Marcus Kitchen CIB - Mr Jeremy Brown CIC - Associate Professor David Paganin CID - Professor Stuart Hooper CIE - Doctor James Pearson	Single Shot X-ray Tomography for Real-Time Functional X-ray Imaging	Monash University	\$312,077

1093330	CIA - Associate Professor Craig McLachlan CIB - Doctor Peter Walsh CIC - Professor Geoff Tansley CID - Associate Professor William Cohn CIE - Associate Professor Theodoros Kofidis CIG - Mr Max Lyon	A fully implantable self powered extra aortic counterpulsation device for translational development in hypertensive heart failure	University of New South Wales	\$869,436
1093365	CIA - Doctor Hong Zhang CIB - Associate Professor Mark Daniell CIC - Professor Greg Qiao CID - Doctor Harry Unger CIE - Doctor Elsie Chan CIF - Doctor Katharina Ladewig CIG - Professor Jonathan Crowston	Non-invasive therapy for keratoconus – Ultrasound enhanced delivery of riboflavin to cornea for transepithelial corneal collagen crosslinking	Centre for Eye Research Australia Ltd	\$584,165
1093378	CIA - Professor David Fairlie CIB - Associate Professor Katherine Andrews	Development of antimalarial histone deacetylase inhibitors	The University of Queensland	\$556,795
1093388	CIA - Professor Gary Anderson CIB - Associate Professor Louis Irving CIC - Associate Professor Steven Bozinovski CID - Associate Professor Ross Vlahos CIE - Doctor John Bates	Anticalins: inhalable biologicals for severe asthma	University of Melbourne	\$564,062
1093450	CIA - Professor Raymond Norton CIB - Doctor Joseph Nicolazzo CIC - Professor Ben Boyd	Peptide Therapeutics for the Treatment of Autoimmune Diseases: Stability, Delivery and Disposition	Monash University	\$359,436
1093483	CIA - Professor Paulette van Vliet CIB - Doctor James Welsh CIC - Professor Michael Nilsson CID - Professor Barrie Hayes-Gill CIE - Doctor Melissa Knight CIG - Professor Irene Hudson	Portable motor rehab device to improve arm movement after stroke	University of Newcastle	\$235,166
1093528	CIA - Professor Vicki Anderson CIB - Doctor Miriam Beauchamp CIC - Associate Professor David Darby CIE - Professor Skye McDonald	PEERS: developing an iPad-delivered social assessment tool for children and adolescents	Murdoch Childrens Research Institute	\$876,013
1093532	CIA - Doctor Charani Ranasinghe CIB - Professor Stephen Kent CIC - Doctor Ronald Jackson	Pre-clinical evaluation of a novel HIV-1 vaccine strategy	Australian National University	\$512,121
1093539	CIA - Professor Colleen Nelson CIB - Professor Pamela Russell CIC - Doctor Brad Walsh CID - Doctor Douglas Campbell	Novel prostate cancer target for diagnosis, imaging, detection of recurrence and response to therapy	Queensland University of Technology	\$703,541
1093566	CIA - Professor Mark Smyth CIB - Doctor John Miles	Development of CD96 antibodies for cancer treatment	Council of the Queensland Institute of Medical Research	\$796,046

1093569	CIA - Doctor Glen Boyle CIB - Professor Peter Parsons CIC - Doctor Jason Cullen CID - Doctor Paul Reddell	Development of a novel drug for chronic and infected wounds	Council of the Queensland Institute of Medical Research	\$467,975
1093643	CIA - Doctor Lindsay Wu CIB - Professor David Sinclair	New drugs to counteract the side effects and premature ageing caused by chemotherapy	University of New South Wales	\$559,714
1093682	CIA - Professor Yogesan Kanagasingam CIB - Doctor Di Xiao	Low cost smart screening system for sight threatening eye disease: diabetic retinopathy	Commonwealth Scientific and Industrial Research Organisation, CSIRO	\$516,424
			TOTAL	\$15,178,566