



## Ideas Grants Applications for Funding Commencing in 2020

The objective of the Ideas Grant scheme is to support innovative research projects addressing a specific question(s).  
The expected outcomes are:

- innovative and creative research
- funding of researchers at all career stages, and
- funding any area of health and medical research from discovery to implementation.

The scheme will provide particular opportunities for early and mid-career researchers. It is expected that the CIA will have the scientific leadership and skills to achieve the proposed project aims.

The 2019 Ideas Grants funding round (for funding commencing in 2020) opened on 6 March 2019. Applications closed on 8 May 2019 with 2739 applications received.

The applications listed in the following table was approved for funding by the Minister for Health, the Hon. Greg Hunt MP. They are listed in application identification number (App ID) order:

App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget \$
APP1180782	CIA - Doctor Heather Lee CIB - Doctor Carlos Riveros	Probing Epigenetic Clonal Evolution in Acute Myeloid Leukaemia.	The University of Newcastle	546,800.00
APP1180799	CIA - Professor David Lynn CIB - Doctor Stephen Blake	Targeting the gut microbiota to improve the safety and efficacy of agonistic cancer immunotherapies	Flinders University	704,312.00

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APP1180812	CIA - Professor Emmanuel Stamatakis CIB - Professor Cecilie Thogersen-Ntoumani CIC - Professor Andreas Holtermann CID - Doctor Josephine Chau CIE - Doctor Joanne Pereira Gale CIF - Professor Catrine Tudor-Locke CIG - Associate Professor Carol Maher CIH - Associate Professor Annemarie Koster CII - Associate Professor Nathan Johnson	Development of a framework for maximising population health gains through high intensity incidental physical activity	University of Sydney	886,550.00
APP1180826	CIA - Associate Professor Christopher McDevitt CIB - Associate Professor Megan Maher CIC - Associate Professor Isabelle Rouiller CID - Professor Bostjan Kobe CIE - Doctor Evelyne Deplazes CIF - Associate Professor Jeffrey Harmer CIG - Professor Thorben Cordes München	Molecular basis of zinc acquisition by <i>Streptococcus pneumoniae</i>	University of Melbourne	955,960.00
APP1180854	CIA - Doctor Peter Noble CIB - Associate Professor David Langton CIC - Doctor Graham Donovan CID - Associate Professor Barry Cense CIE - Professor Francis Thien CIF - Professor Bruce Thompson CIG - Doctor Siobhain Mulrennan CIH - Doctor Tim Rosenow	Unravelling a clinical paradox: why does bronchial thermoplasty work in asthma and how can we improve patient outcomes?	University of Western Australia	1,060,200.00

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APP1180905	CIA - Doctor Mirana Ramialison	Role of human non-coding DNA regulatory elements (REs) in heart development and disease	Monash University	717,572.00
APP1180925	CIA - Doctor Reema Harrison CIB - Professor Merrilyn Walton CIC - Professor Elizabeth Manias CID - Professor Carlene Wilson CIE - Doctor Holly Seale CIF - Professor Afaf Girgis CIG - Doctor Allan Smith CIH - Doctor Melvin Chin	Enhancing safety and care quality for culturally and linguistically diverse cancer consumers: A consumer engagement approach.	University of New South Wales	417,809.60
APP1180929	CIA - Professor Moira O'Bryan CIB - Doctor Jessica Dunleavy	Building the mid-piece of the sperm tail	Monash University	968,600.00
APP1180951	CIA - Associate Professor Ashraful Haque CIB - Professor Sarah Teichmann CIC - Doctor Roser Vento-Tormo	How do CD4+ T cells preserve memories?	The Council of the Queensland Institute of Medical Research	1,510,934.50
APP1181017	CIA - Associate Professor Tamas Fischer CIB - Doctor Jane Reid	The role of RNA-DNA hybrids and RNase H enzymes in DNA repair	Australian National University	911,840.00
APP1181024	CIA - Doctor Tessa Lord CIB - Professor Brett Nixon	Investigating the role of hypoxic niche microenvironments and hypoxia-induced transcription factors in regulating spermatogonial stem cell function	The University of Newcastle	559,753.00

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APP1181029	CIA - Professor Loc Do CIB - Professor A. John Spencer CIC - Professor Pauline Ford CID - Doctor Michael Foley CIE - Professor Helen Whelton CIF - Associate Professor Jonathan Broadbent CIG - Professor Kaye Roberts-Thomson CIH - Associate Professor Ratilal Laloo	Contemporary evidence for water fluoridation program - a before-and-after population-based study	The University of Adelaide	1,655,282.00
APP1181053	CIA - Professor Jean-Pierre Levesque CIB - Doctor Kylie Alexander CIC - Doctor Hsu-Wen Tseng CID - Professor Francois Genet CIE - Professor Sebastien Banzet	Discovering the mechanisms of neurogenic heterotopic ossifications following spinal cord injuries	The University of Queensland	1,033,889.80
APP1181054	CIA - Doctor Seweryn Bialasiewicz CIB - Professor Philip Hugenholtz CIC - Professor Anders Cervin CID - Doctor Robyn Marsh CIE - Doctor Kate Bowerman CIF - Doctor Andrea Coleman CIG - Ms Nancy Lachner	Development of Phage Therapy to Combat Chronic Otitis Media in Indigenous Children	The University of Queensland	1,021,645.90
APP1181057	CIA - Doctor Fabian Kong CIB - Professor Jane Hocking CIC - Associate Professor Magnus Unemo	The development of novel pharmacokinetic techniques to optimise treatment and reduce antimicrobial resistance for sexually transmitted infections (STIs)	University of Melbourne	1,469,609.00
APP1181089	CIA - Doctor Kate Lawlor	Role of A1 in repressing mitochondrial apoptosis to limit pathogen clearance	Monash University	789,536.00

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APP1181105	CIA - Doctor Samuel Forster CIB - Doctor Edward Giles	Microbiome derived candidates to revolutionise treatment of inflammatory bowel disease	Monash University	997,926.00
APP1181110	CIA - Associate Professor Andrew Deans CIB - Professor Jacob Corn CIC - Doctor Rohan Bythell-Douglas CID - Associate Professor Niall Howlett	Biochemical reconstitution of the FA-BRCA pathway for disease insight and drug discovery	St Vincent's Institute of Medical Research	904,224.00
APP1181120	CIA - Professor Peter Catcheside CIB - Professor Andrew Bersten CIC - Professor Karen Reynolds CID - Professor Robert Adams	Translating a highly informative new method of inspiratory effort measurement into improved monitoring and outcomes for mechanically-ventilated patients in intensive care	Flinders University	543,135.00
APP1181135	CIA - Associate Professor Brett Collins	Molecular basis for the assembly of caveolae membrane domains	The University of Queensland	780,360.00
APP1181145	CIA - Associate Professor Richard Young CIB - Doctor Kerry Ivey	Friend or foe? Low-calorie sweeteners and glycaemic control in type 2 diabetes	The University of Adelaide	1,455,077.00
APP1181179	CIA - Professor Marie Ranson CIB - Doctor Bruce Ashford CIC - Associate Professor Ruta Gupta CID - Associate Professor N Gopalakrishna Iyer	Cutaneous Squamous Cell Carcinoma: Defining Prognostic Markers of Metastasis	University of Wollongong	597,622.50
APP1181212	CIA - Associate Professor Julie McMullen CIB - Professor Marcelle Machluf	Nano-Ghosts loaded with PI3K-based biologicals for the infarcted heart	Baker Heart and Diabetes Institute	789,218.50

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APP1181228	CIA - Professor Deborah Schofield CIB - Professor Robert Tanton CIC - Doctor Rupendra Shrestha CID - Professor Simon Kelly CIE - Doctor Hannah Carter CIF - Associate Professor Jinjing Li	Measuring national productivity impacts of chronic ill health on patients and carers and the potential benefits of health and policy interventions	Macquarie University	1,028,940.00
APP1181230	CIA - Doctor Christine Chaffer	Targeting cellular plasticity to treat triple-negative breast cancer	University of New South Wales	723,855.80
APP1181327	CIA - Professor Christine Wells	Mincle cross-talk between macrophage and endothelial cells alters vascular permeability	University of Melbourne	772,700.00
APP1181336	CIA - Associate Professor Stuart Ralph	What causes delayed death in malaria parasites?	University of Melbourne	653,580.00
APP1181359	CIA - Associate Professor Timothy Bredy	RNA modifications in space and time: How do they govern fear extinction?	The University of Queensland	808,880.00
APP1181401	CIA - Associate Professor Wendy Lipworth CIB - Professor Ian Kerridge CIC - Professor William Ledger CID - Professor Robert Norman CIE - Associate Professor Ainsley Newson CIF - Professor Cameron Stewart CIG - Professor Isabel Karpin CIH - Professor Catherine Mills CII - Professor Catherine Waldby CIJ - Doctor Christopher Mayes	Addressing Commercial Influences on Assisted Reproductive Technology	University of Sydney	789,576.70
APP1181415	CIA - Doctor Jingjing You CIB - Professor Gerard Sutton CIC - Doctor Christopher Hodge	A printable collagen based eye healant - Sealing the holes	University of Sydney	477,564.00

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APP1181434	CIA - Doctor Karla Helbig CIB - Doctor Donna Whelan	Lipid droplets are involved in an effective anti-viral host response	La Trobe University	535,495.00
APP1181440	CIA - Associate Professor Christoph Hagemeyer CIB - Doctor Francesca Cavalieri	Self-regulated, glucose-responsive nanomaterials for smart insulin delivery	Monash University	944,796.00
APP1181448	CIA - Doctor Joel Castro Kraftchenko	Decoding the pathophysiology of chronic pelvic pain associated with endometriosis and related visceral comorbidities	Flinders University	560,337.00
APP1181454	CIA - Associate Professor Jane Pillow CIB - Doctor Amy Lee CIC - Doctor Emma de Jong CID - Doctor Claus Christophersen CIE - Doctor Joel Gummer	Innate Defence Regulator Peptide for Protecting the Preterm Infant from Postnatal Sepsis	University of Western Australia	1,279,714.30
APP1181459	CIA - Professor Helen Cooper CIB - Professor Cecilia Flores	Identifying a molecular signalling network governing spine morphogenesis	The University of Queensland	1,635,662.75
APP1181462	CIA - Professor Jennifer Wilkinson-Berka	Treg cell therapy for the treatment of vision-threatening neovascular retinopathies	University of Melbourne	1,396,936.80
APP1181482	CIA - Associate Professor Andrew Harman CIB - Professor Muzlifah Haniffa	Examining the interactions of HIV with its target cells in human anogenital tissues	University of Sydney	666,800.00

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APP1181516	CIA - Professor Katherine Loveland CIB - Doctor Ewa Rajpert-De Meyts CIC - Associate Professor Hans-Christian Schuppe CID - Professor Andreas Meinhardt CIE - Associate Professor Kristian Almstrup CIF - Doctor Anne Jorgensen CIG - Doctor Jingtao Guo	Developmental Events Affecting Male Fertility and Reproductive Pathologies	Monash University	1,430,398.00
APP1181522	CIA - Doctor Michelle Tate CIB - Associate Professor Ashley Mansell	Finding the balance – Reducing inflammation during severe influenza infections	Monash University	581,520.00
APP1181543	CIA - Doctor Dagmar Wilhelm	The prorenin receptor - a new candidate factor for ovarian disease	University of Melbourne	735,495.00
APP1181580	CIA - Professor Elizabeth Vincan CIB - Doctor Hoanh Tran CIC - Doctor Bang Tran CID - Doctor Toby Phesse CIE - Professor Hans Clevers	Adult stem cell-derived organoids: innovative models to elucidate signalling mechanisms in Wnt-addicted cancers	University of Melbourne	1,003,600.00
APP1181637	CIA - Professor Alastair Stewart CIB - Associate Professor Jean-Michel Fustin	Casein kinase 1 delta inhibitors reset the clock to suppress fibrosis	University of Melbourne	664,818.00
APP1181643	CIA - Doctor Ehsan Kheradpezhoh CIB - Doctor Conrad Lee	The contribution of cortical TRPA1 to sensory perception and behaviour of mammals	Australian National University	435,084.00
APP1181666	CIA - Doctor Duohui Jing CIB - Doctor Dominik Beck	Epigenetic profiling and eradication of relapse-initiating cells in paediatric acute lymphoblastic leukaemia	University of New South Wales	653,880.00



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APP1181825	CIA - Professor Hubert Hondermarck CIB - Professor James Denham CIC - Doctor Sam Faulkner CID - Associate Professor Phillip Jobling	The perineural niche to predict the development of bone metastases in prostate cancer	The University of Newcastle	372,612.00
APP1181864	CIA - Associate Professor Kay Double CIB - Associate Professor Dominic Hare CIC - Professor Rachel Codd	Superoxide dismutase one dysfunction: a novel pathogenic mechanism in Parkinson's disease	University of Sydney	574,653.40
APP1181889	CIA - Doctor Wei Deng CIB - Associate Professor Viive Howell CIC - Professor Alexander Engel	New therapeutic option for lymph node metastasis in rectal cancer: radiation-triggered photodynamic therapy in deep tissue	University of New South Wales	261,780.00
APP1181922	CIA - Professor Gregory Monteith CIB - Professor Sarah Roberts-Thomson	A recently identified calcium channel provides diverse opportunities for pharmacotherapy in breast cancer	The University of Queensland	491,452.00
APP1181932	CIA - Doctor Michelle Boyle CIB - Assistant Professor Prasanna Jagannathan CIC - Doctor Gabriela Minigo	Manipulating T follicular helper cells to improve human malaria vaccines	The Council of the Queensland Institute of Medical Research	742,700.00
APP1181958	CIA - Professor Mark Schembri CIB - Doctor Minh Duy Phan CIC - Doctor Nhu Nguyen	Understanding the role of specific virulence features in extra-intestinal <i>E. coli</i> clones	The University of Queensland	894,999.00

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APP1181960	CIA - Professor Stacy Carter CIB - Professor Nehmat Houssami CIC - Doctor Christopher Degeling CID - Associate Professor Bernadette Richards CIE - Professor Annette Braunack-Mayer CIF - Professor Wendy Rogers CIG - Associate Professor Lei Wang CIH - Associate Professor Khin Win CII - Doctor Maame Esi Woode	The algorithm will see you now: ethical, legal and social implications of adopting machine learning systems for diagnosis and screening	University of Wollongong	823,476.40
APP1182000	CIA - Professor Tania de Koning-Ward CIB - Doctor Rowena Martin CIC - Doctor Joyanta Modak	Deciphering the molecular constituents, assembly and structure of the Plasmodium new permeability pathways	Deakin University	726,660.00
APP1182032	CIA - Professor Jamie Vandenberg CIB - Doctor Stewart Heitmann CIC - Doctor Matthew Perry	Single cell heterogeneity and cardiac electrical signalling: implications for abnormal heart rhythms	University of New South Wales	573,366.00
APP1182038	CIA - Doctor Nidhi Bansal CIB - Professor Paul Shaw CIC - Professor Firuz Zare CID - Doctor Pieter Koorts CIE - Doctor Negareh Ghasemi CIF - Doctor John Duley	Next-generation feeding for premature babies: 'Bioactive' breastmilk pasteurised by nanosecond pulsed electric field	The University of Queensland	421,210.00
APP1182086	CIA - Professor Nicole La Gruta	Dissecting the requirements for effective T cell activation	Monash University	831,936.00
APP1182090	CIA - Associate Professor Sureshkumar Balasubramanian CIB - Doctor Sridevi Sureshkumar	Epigenetic regulation of gene expression by triplet repeat expansions	Monash University	416,210.00

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APP1182096	CIA - Associate Professor Judith Greer CIB - Doctor Jun Yan	Improving and validating a novel translational tool for research in multiple sclerosis	The University of Queensland	1,118,769.50
APP1182153	CIA - Doctor Daniel Beard	Shear-activated nanotherapeutics to selectively enhance collateral cerebral blood flow during ischaemic stroke	The University of Newcastle	462,635.00
APP1182155	CIA - Associate Professor Marie-Liesse Asselin-Labat CIB - Doctor Claire Gordon	Effect of DNA damaging agents on the lung immune microenvironment and the initiation of lung cancer	The Walter and Eliza Hall Institute of Medical Research	870,737.50
APP1182212	CIA - Associate Professor Till Boecking CIB - Doctor David Jacques CIC - Doctor Senthil Arumugam CID - Doctor Jeffrey Stear CIE - Assistant Professor Richard McKenney	The HIV capsid is a functional scaffold that directs bidirectional cargo transport	University of New South Wales	820,337.00
APP1182226	CIA - Associate Professor Antje Blumenthal	Molecular regulators of inflammation during Gram-negative bacterial infection	The University of Queensland	768,144.50
APP1182242	CIA - Professor Janna Morrison CIB - Doctor Mike Seed CIC - Professor Joseph Selvanayagam CID - Professor Jens Nyengaard CIE - Associate Professor Christopher Macgowan	Mending a broken heart: Understanding and harnessing the fetal heart's capacity for repair	University of South Australia	1,000,060.00
APP1182252	CIA - Doctor Brad Gilbertson CIB - Professor Ervin Fodor	Identification of molecular factors that influence reassortment and the emergence of pandemic influenza viruses	University of Melbourne	527,979.00

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APP1182318	CIA - Doctor Catherine Carmichael	Novel therapeutic strategies for an aggressive subtype of Acute Myeloid Leukaemia	Monash University	1,385,686.50
APP1182330	CIA - Doctor Matthew Piper CIB - Doctor Travis Johnson	Defining diets to treat inborn errors of amino acid metabolism	Monash University	693,700.00
APP1182347	CIA - Doctor Hang Ta	Innovative Reversible Hemostatic Nanomaterial for Emergency Treatment of Internal Bleeding	The University of Queensland	470,587.00
APP1182354	CIA - Professor Ewa Goldys CIB - Professor Dominic Rowe	The colour of amyotrophic lateral sclerosis: hyperspectral imaging cytometry of peripheral monocytes towards diagnostics and treatment monitoring	University of New South Wales	739,035.00
APP1182369	CIA - Doctor Giel van Dooren CIB - Associate Professor Alexander Maier CIC - Professor Kevin Saliba	Targeting the mitochondrial electron transport chain of apicomplexan parasites	Australian National University	637,700.00
APP1182379	CIA - Associate Professor Susan Hua CIB - Professor Gert Storm	Development of Improved Treatments for Oesophageal Diseases	The University of Newcastle	564,008.00
APP1182432	CIA - Doctor Johanna Fraser CIB - Doctor Nicholas Eyre	Dengue virus resistance to Wolbachia	Monash University	615,483.50
APP1182442	CIA - Associate Professor Catherine Satzke CIB - Associate Professor Odilia Wijburg	Pneumococcal-viral coinfection and implications for vaccination	Murdoch Childrens Research Institute	736,391.00
APP1182453	CIA - Doctor Jacqueline Heraud-Farlow CIB - Doctor Alistair Chalk	Functions of A-to-I editing and the editing enzyme, ADAR1, in health and disease	St Vincent's Institute of Medical Research	771,743.00

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APP1182515	CIA - Professor Peter Dargaville CIB - Doctor Timothy Gale CIC - Doctor Brian Salmon CID - Associate Professor Paul Turner	Prediction and detection of apnoea in preterm infants	University of Tasmania	823,982.00
APP1182525	CIA - Doctor Nicholas Clemons CIB - Doctor Rebecca Fitzgerald	Establishing functional drivers and novel therapeutic targets in oesophageal adenocarcinoma	University of Melbourne	1,174,200.00
APP1182539	CIA - Professor Ian Smyth	Characterising a novel driver of polycystic kidney disease	Monash University	947,440.00
APP1182564	CIA - Professor Angel Lopez CIB - Doctor Denis Tvorogov CIC - Associate Professor Daniel Thomas	Mutation-Centric Therapy for JAK2 vs CALR Mutated Myelofibrosis	University of South Australia	661,237.00
APP1182649	CIA - Doctor Joanna Groom	Spatial directives within lymph nodes that control T cell memory	The Walter and Eliza Hall Institute of Medical Research	853,366.00
APP1182667	CIA - Doctor Kelly Clemens CIB - Doctor Paul Waters	A role for long non-coding RNA in the persistence of drug seeking	University of New South Wales	561,520.00
APP1182676	CIA - Associate Professor David Tingay CIB - Doctor Prue Pereira-Fantini CIC - Professor Andy Adler CID - Professor Inez Frerichs CIE - Doctor Sean Byars	Lung protective strategies to address the flow and pressure consequences of mechanotransduction after preterm birth	Murdoch Childrens Research Institute	894,316.65
APP1182757	CIA - Doctor Bernhard Lechtenberg CIB - Doctor Yuri Shibata	Deciphering the structures and functions of LUBAC complexes in immune signalling	The Walter and Eliza Hall Institute of Medical Research	976,840.00

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APP1182759	CIA - Professor David Tremethick CIB - Doctor Sebastian Kurscheid CIC - Doctor Renae Domaschenz CID - Associate Professor Jonathan Dennis	Elucidating the organisational principals of genome architecture: the role of histone variants and architectural chromatin binding proteins	Australian National University	1,326,290.00
APP1182775	CIA - Associate Professor Stacey Edwards	Connecting the Genome to Gene Function in Cutaneous Melanoma	The Council of the Queensland Institute of Medical Research	578,725.00
APP1182804	CIA - Doctor Lev Kats CIB - Doctor Partha Pratim Das	RNA methylation in normal and malignant blood development	University of Melbourne	701,828.50
APP1182847	CIA - Doctor Louise Cheng CIB - Doctor Francesca Frolidi CIC - Doctor Shane Cheung	Identification of novel mediators of cachexia in Drosophila	University of Melbourne	863,600.00
APP1182929	CIA - Doctor Robyn Marsh CIB - Associate Professor Jane Hill CIC - Professor Anne Chang	Novel diagnostic tools for management of chronic wet cough in children	Menzies School of Health Research	873,165.00
APP1182948	CIA - Associate Professor Mark Baker CIB - Professor Gary Hime CIC - Professor Masahito Ikawa CID - Professor Peter Sutovsky	Heat-shock induced alternative splicing and its role in oligoasthenoteratozoospermia	The University of Newcastle	673,293.00
APP1182974	CIA - Doctor Jamie Fletcher CIB - Doctor Caroline Atkinson CIC - Doctor Alvin Kamili	Improving induction therapy for high-risk neuroblastoma through bypass or inhibition of P-glycoprotein	University of New South Wales	286,900.20
APP1182996	CIA - Associate Professor Mohammed Hossain CIB - Professor John Wade CIC - Doctor Martina Kocan CID - Doctor Ruslan Pustovit	Developing relaxin family peptide receptor 4 (RXFP4) agonists as novel tools and therapeutic leads for chronic constipation	University of Melbourne	835,855.30

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APP1183032	CIA - Professor Melissa Churchill CIB - Professor Jacob Estes CIC - Doctor Michael Roche CID - Professor Paul Gorry	Defining HIV-1 Reservoirs in the Central Nervous System	RMIT University	798,880.00
APP1183057	CIA - Professor Jennifer Gamble CIB - Doctor Ka Ka Ting	Endothelial Cell Senescence and Alzheimer's Disease	University of Sydney	905,360.00
APP1183065	CIA - Associate Professor Stuart Turville CIB - Professor Geoffrey Symonds CIC - Professor James Hoxie CID - Associate Professor Pamela Skinner	Gene therapy for a HIV Cure	University of New South Wales	841,489.60
APP1183070	CIA - Doctor James Vince	Inflammasome Activation in Autoinflammatory Disease	The Walter and Eliza Hall Institute of Medical Research	679,169.50
APP1183074	CIA - Professor David Evans CIB - Professor Deborah Lawlor CIC - Professor George Davey Smith	Developing and Applying Statistical Genetics Methods to Elucidate the Developmental Origins of Health and Disease	The University of Queensland	327,387.00
APP1183085	CIA - Professor Malcolm McConville CIB - Professor Spencer Williams	Targeting carbohydrate metabolism in Leishmania	University of Melbourne	1,146,560.00
APP1183119	CIA - Professor Mark Cook CIB - Doctor Matias Maturana CIC - Doctor Levin Kuhlmann CID - Professor Anthony Burkitt CIE - Doctor Katrina Dell CIF - Professor Raymond Boston	Changes in brain resilience underlie seizure susceptibility in epilepsy	University of Melbourne	371,928.00

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APP1183225	CIA - Professor Cathrine Mihalopoulos CIB - Doctor Long Le CIC - Professor Phillipa Hay CID - Mrs Jaithri Ananthapavan CIE - Mr Yong Yi Lee	Assessing the Cost-Effectiveness of Prevention of High Body Mass Index and Eating Disorders in Australia: The ACE-HiBED project	Deakin University	398,778.50
APP1183273	CIA - Doctor Michael Falster	Same patient, same care: is our funding of hospitals promoting inequities in care and outcomes?	University of New South Wales	566,781.10
APP1183278	CIA - Doctor Michelle Sun CIB - Doctor John Wood CIC - Professor Andrea O'Connor CID - Professor Dinesh Selva	Bioengineering for the Eye	The University of Adelaide	311,476.10
APP1183280	CIA - Associate Professor Naotsugu Tsuchiya CIB - Doctor Ben Fulcher CIC - Associate Professor Olivia Carter CID - Doctor Thomas Andrillon CIE - Doctor Hinze Hogendoorn	Integrating theory-guided and data-driven approaches for measuring consciousness	Monash University	1,042,607.80
APP1183303	CIA - Professor Andrew Forbes CIB - Professor Karla Hemming CIC - Associate Professor Monica Taljaard	Pragmatic cluster randomised trials: Bridging the gap between theory and practice	Monash University	480,350.00
APP1183323	CIA - Doctor Phurpa Wangchuk CIB - Doctor Roland Ruscher CIC - Associate Professor Joanne Jamie CID - Professor Stephen Pyne CIE - Professor Darren Crayn CIF - Gerald Turpin	Discovering novel drug lead molecules for inflammatory bowel disease from Australian Aboriginal tropical medicinal plants.	James Cook University	1,209,524.00



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APP1183420	CIA - Doctor Rachel McQuade CIB - Doctor Shanti Diwakarla	Protecting the Gut: A Novel Therapeutic Avenue for Parkinson's Disease	University of Melbourne	961,560.00
APP1183472	CIA - Associate Professor Sean Cain CIB - Doctor Andrew Phillips CIC - Professor Sean Drummond	Circadian mechanisms for antidepressant medication treatment	Monash University	415,243.00
APP1183478	CIA - Professor Stephen Turner CIB - Professor Philippe Collas CIC - Doctor Toby Bell	The T cell genome in 3D: understanding chromatin dynamics during T cell responses to virus infection	Monash University	763,290.00
APP1183496	CIA - Associate Professor Christopher Tonkin	Understanding Toxoplasma's interaction with the brain	The Walter and Eliza Hall Institute of Medical Research	680,305.70
APP1183515	CIA - Associate Professor Sally Brinkman CIB - Ms Mary Brushe CIC - Professor Edward Melhuish	Modern families in the era of mobile technology: understanding how the hidden home environment impacts child development.	University of Western Australia	602,565.00
APP1183532	CIA - Associate Professor Peter Janes	Targeting recruitment of myeloid cells to the immune tumour microenvironment	La Trobe University	573,135.00
APP1183553	CIA - Associate Professor Carl Walkley CIB - Doctor Jacqueline Heraud-Farlow	Defining mechanisms to prevent innate immune sensing of self-RNA	St Vincent's Institute of Medical Research	923,907.60
APP1183570	CIA - Doctor Joshua Lewis CIB - Professor David Suter CIC - Professor John Schousboe CID - Professor Timothy Cootes CIE - Professor Richard Prince CIF - Doctor Pawel Szulc CIG - Professor Nicholas Harvey CIH - Professor Douglas Kiel CII - Doctor Syed Islam	Automated methods for evaluating structural vascular disease	Edith Cowan University	467,980.00

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APP1183588	CIA - Professor Katharina Gaus CIB - Doctor Jesse Goyette CIC - Doctor Simao Coelho CID - Daniel Nieves CIE - Associate Professor Ralf Jungmann CIF - Assistant Professor David Baddeley	How does the T cell receptor (TCR) generate signals that encode fate decisions?	University of New South Wales	1,328,360.00
APP1183597	CIA - Professor Mark Willcox CIB - Professor Naresh Kumar CIC - Professor Cyrille Boyer CID - Doctor Edgar Wong CIE - Professor David McKenzie CIF - Associate Professor Nataalka Suchowerska CIG - Associate Professor Karen Vickery CIH - Doctor Renxun Chen	Tackling Hospital Acquired Infections with Peptide Mimics	University of New South Wales	1,177,905.00
APP1183612	CIA - Associate Professor Jillian Carr CIB - Doctor Amanda Aloia	Defining the action of Vav proteins in dengue and zika virus infection	Flinders University	465,185.00
APP1183619	CIA - Doctor Joanne Reed	Do somatic genetic events drive autoimmune disease pathogenesis?	University of New South Wales	889,709.60
APP1183713	CIA - Doctor Sumaira Hasnain CIB - Professor Michael McGuckin CIC - Associate Professor Graeme Macdonald CID - Professor Johannes Prins	Liver targeted Interleukin-22 for the treatment of non-alcoholic steatohepatitis	The University of Queensland	622,168.00
APP1183737	CIA - Doctor Phillip Kantharidis CIB - Doctor Christos Tikellis	Targeting pro-resolution pathways to reverse diabetic kidney disease	Monash University	1,046,310.80

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APP1183744	CIA - Doctor Kylie Lee CIB - Associate Professor Scott Wilson CIC - Professor Katherine Conigrave CID - Professor Tanya Chikritzhs CIE - Professor Noel Hayman CIF - Professor Angela Dawson CIG - Associate Professor Robert Ali CIH - Doctor James Conigrave CII - Doctor Michelle Fitts	Better data on methamphetamines and other drugs among Indigenous Australians to inform policy and practice	University of Sydney	2,614,769.00
APP1183799	CIA - Associate Professor James St John CIB - Associate Professor Jenny Ekberg CIC - Doctor Matthew Barton CID - Doctor Brent McMonagle	Self-assembling, self-adhering nerve bridges for large gap peripheral nerve injuries	Griffith University	715,060.00
APP1183806	CIA - Associate Professor Alexandra Sharland CIB - Doctor Nicole Mifsud	Opening the black box - studies of the major histocompatibility complex class I immunopeptidome in allorecognition and transplant tolerance induction	University of Sydney	2,491,346.00
APP1183810	CIA - Professor Stephen Alexander CIB - Doctor Yuan Min Wang CIC - Doctor Min Hu	Using Regulatory CAR T Cells to Protect Kidney Transplants	University of Sydney	833,925.70
APP1183845	CIA - Professor Michael Hickey	Control of Proinflammatory Endothelial Cell function by Regulatory T cells	Monash University	805,360.00
APP1183848	CIA - Doctor Thomas Naderer	Neisseria gonorrhoeae secreted vesicles kill immune cells by disabling mitochondria	Monash University	774,180.00

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APP1183863	CIA - Professor Karin Leder CIB - Professor Thomas Clasen CIC - Professor Stephen Luby CID - Associate Professor David McCarthy CIE - Professor Stephen Baker CIF - Professor Steven Chown CIG - Doctor Fiona Barker CIH - Doctor Rebekah Henry CII - Doctor Laura Kwong	Assessing exposure pathways for pathogens causing gastrointestinal infection and antimicrobial resistance acquisition among children living in informal coastal settlements	Monash University	2,979,546.50
APP1183908	CIA - Associate Professor Roger Pocock CIB - Doctor Sandeep Gopal	Transcriptional control of germ cell development	Monash University	601,520.00
APP1183915	CIA - Doctor Julia Pagan CIB - Doctor S. Sean Millard	Inhibition of mitophagy by ubiquitin-mediated proteolysis	The University of Queensland	569,750.00
APP1183926	CIA - Professor Marc Achen	A novel therapeutic strategy for lymphoedema	University of Melbourne	708,880.00
APP1183927	CIA - Associate Professor Brendan McMorran CIB - Doctor Nicole Lawrence CIC - Doctor Lara Malins	Developing targeted antimalarial drug leads from host defence peptide-drug conjugates	Australian National University	1,063,037.00
APP1183939	CIA - Associate Professor Julianne Djordjevic CIB - Doctor Sophia Lev CIC - Professor Jacqueline Matthews	Fungal IP7-protein interaction and invasive fungal disease: a dangerous liaison	University of Sydney	733,880.00
APP1184009	CIA - Doctor John Lock CIB - Associate Professor Therese Becker CIC - Professor Paul de Souza	Revolutionising circulating tumour cell analysis in castrate resistant prostate cancer: proteomic microscopy and artificial intelligence for precision definition of mechanisms and targets	University of New South Wales	740,456.00

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APP1184012	CIA - Doctor Gokhan Tolun CIB - Professor Antoine van Oijen	Revealing the molecular mechanistic details of viral DNA recombination towards developing novel anti-viral drugs	University of Wollongong	636,368.00
APP1184068	CIA - Doctor Yao Xing CIB - Doctor Tobias Merson	A novel discovery pipeline for regenerative therapies targeting multiple sclerosis	Monash University	851,840.00
APP1184076	CIA - Doctor Raymond Ching-Bong Wong CIB - Professor Keith Martin CIC - Doctor Sandy Hung CID - Doctor Carla Abbott	Sensing the light: using cell reprogramming to regenerate photoreceptors	Centre for Eye Research Australia Limited	890,240.00
APP1184136	CIA - Doctor Susanne Schweizer CIB - Professor Sarah-Jayne Blakemore CIC - Professor Elaine Fox CID - Doctor William Raffae	Improving Emotion Regulation with a Gamified Cognitive Training Program to Prevent Emotional Disorders in Adolescence	University of New South Wales	433,421.25
APP1184166	CIA - Associate Professor Daniel Hatters CIB - Doctor Berin Boughton	The cascade of consequences in Huntington Disease from mutant Httex1 synthesis and aggregation	University of Melbourne	747,700.00
APP1184197	CIA - Doctor Yih-Chih Chan CIB - Doctor Enid Lam	Understanding genetic and non-genetic resistance to therapeutic pressure in acute myeloid leukaemia	University of Melbourne	682,545.00
APP1184219	CIA - Doctor Zack Shan CIB - Doctor Richard Kwiatek CIC - Doctor Peter Del Fante CID - Professor Vince Calhoun CIE - Associate Professor Sandeep Bhuta	Multimodal MRI of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Understanding its Neuropathophysiology and Developing an Objective Neuromarker	University of the Sunshine Coast	1,269,545.70
APP1184242	CIA - Doctor Vicki Athanasopoulos	TLR7 mutations cause human monogenic lupus: Understanding mechanism to illuminate therapy.	Australian National University	725,060.00

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APP1184263	CIA - Professor Jennifer Byrne CIB - Doctor Cyril Labbe CIC - Doctor Amanda Capes-Davis	Prevalence and impact of fraudulent cancer research publications targeting the functions of human genes	University of Sydney	333,918.00
APP1184304	CIA - Associate Professor Blanca Gallego Luxan	Learning what works and for which patients: efficient framework and novel technologies for precision comparative effectiveness research	University of New South Wales	587,183.00
APP1184309	CIA - Professor Matthew Watt CIB - Doctor Paula Miotto CIC - Doctor Paul Burton	Liver exosomes: linking non-alcoholic fatty liver disease and insulin resistance	University of Melbourne	837,420.00
APP1184314	CIA - Doctor Brent Neumann	Understanding the role of Dynamin in axonal repair	Monash University	611,520.00
APP1184360	CIA - Professor John Bertram CIB - Associate Professor Kevin Bennett CIC - Professor Kate Denton	Tracking the development and progression of chronic kidney disease using non-invasive imaging	Monash University	1,032,416.00
APP1184363	CIA - Doctor Benjamin Parker CIB - Doctor Marcus Seldin CIC - Karen Reue	Genetic regulation of signal transduction and metabolic flexibility	University of Melbourne	423,850.00
APP1184403	CIA - Doctor Ian Harding CIB - Professor Elsdon Storey CIC - Professor Thomas Klockgether CID - Professor Paul Thompson	Neurodegeneration in Spinocerebellar Ataxias: Biomarkers, Mechanisms, and Variability	Monash University	1,165,360.00
APP1184421	CIA - Doctor Sarah Stephenson CIB - Doctor Saskia Freytag	Using Single-Cell Omics to Determine Disease Mechanism and Improve Clinical Management of Children with Epilepsy	Murdoch Childrens Research Institute	777,245.00

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APP1184428	CIA - Doctor Cornelia Landersdorfer CIB - Associate Professor Antonio Oliver CIC - Professor Roger Nation	Developing an integrated approach to precision medicine targeting antimicrobial resistance of bacterial 'superbugs'	Monash University	735,224.00
APP1184466	CIA - Associate Professor Deborah Askew CIB - Doctor Penelope Abbott CIC - Ms Heather D'Antoine CID - Doctor Nancy Poole CIE - Ms Sonya Egert CIF - Professor Philip Schluter CIG - Doctor Karen Liddle	Fetal Alcohol Spectrum Disorder prevention and coordination of support for urban Aboriginal and Torres Strait Islander people and communities	The University of Queensland	726,743.00
APP1184485	CIA - Professor Stuart Pitson CIB - Doctor Jason Powell CIC - Associate Professor Daniel Thomas	Employing humanised xenotransplantation models of acute myeloid leukaemia to predict patient outcome and direct therapy	University of South Australia	795,650.00
APP1184517	CIA - Doctor Connie Wong	Targeting the brain-gut axis to improve stroke outcome	Monash University	899,750.00
APP1184523	CIA - Professor Stephen Nutt CIB - Doctor Simon Willis	Understanding the basis for IRF4 dependency in Multiple Myeloma	The Walter and Eliza Hall Institute of Medical Research	1,038,316.00
APP1184532	CIA - Doctor Sarah Londrigan	How macrophages regulate influenza virus infection	University of Melbourne	817,119.00
APP1184546	CIA - Associate Professor Vladimir Zagorodnyuk CIB - Professor Simon Brookes	Critical role of transient receptor potential channels in the sensory mechanisms underlying bladder dysfunction in cystitis	Flinders University	446,368.00

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APP1184571	CIA - Doctor Christina Bursill CIB - Professor Gang Zheng	Novel nanoscale theranostic applications of porphyrins in atherosclerotic cardiovascular disease	The University of Adelaide	632,690.00
APP1184595	CIA - Professor Wai Lim CIB - Associate Professor Germaine Wong CIC - Associate Professor Armando Teixeira-Pinto CID - Assistant Professor Sebastiaan Heide CIE - Professor Frans Claas CIF - Doctor Vasilis Kosmoliaptsis CIG - Associate Professor Lloyd D'Orsogna CIH - Doctor Anna Francis	The assessment of novel immunological risk profile to establish the most suitable parental donor for kidney transplantation: "Best-Parent" study (ELIMINATE)	University of Western Australia	1,833,663.50
APP1184615	CIA - Professor Tony Tiganis CIB - Professor Nicholas Huntington	Next Generation Cell Therapies for Cancer	Monash University	1,786,030.00
APP1184616	CIA - Doctor Rowan Martin-Hughes CIB - Professor Caroline Homer CIC - Doctor Sherrie Kelly	An investment case to catalyze funding for maternal, newborn & child health	Burnet Institute	561,646.00
APP1184637	CIA - Associate Professor Chen Davidovich CIB - Doctor Qi Zhang CIC - Doctor Michael Uckelmann	Mechanism for LCOR-mediated regulation of the histone methyltransferase PRC2: a new hotspot in a sought-after target	Monash University	713,880.00
APP1184640	CIA - Associate Professor Justin Rubio CIB - Associate Professor Stephen Leslie CIC - Doctor Allan Motyer	Single oligodendrocyte genome sequencing to investigate myelin repair in multiple sclerosis	University of Melbourne	987,263.00
APP1184720	CIA - Doctor Alice Richardson CIB - Doctor Bernard Baffour	Filling in the blanks: a spatial visualisation tool to align national health outcome data with regional health policy objectives	Australian National University	494,055.80



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APP1184726	CIA - Doctor Denise Wootten CIB - Professor Beili Wu	Molecular control of efficacy at glucagon family of receptors	Monash University	1,348,640.00
APP1184736	CIA - Doctor Shalin Naik CIB - Doctor Tom Weber	Understanding haematopoiesis using novel single cell lineage tracing tools	The Walter and Eliza Hall Institute of Medical Research	955,243.20
APP1184770	CIA - Doctor Emma Glasson CIB - Associate Professor Helen Leonard CIC - Doctor Jianghong Li CID - Associate Professor Rachel Roberts CIE - Doctor Matthew Cooper CIF - Professor Elizabeth Pellicano CIG - Doctor Dheeraj Rai CIH - Doctor Kingsley Wong CII - Doctor Alison Salt CIJ - Doctor Ann Skoss	Developmental disability in the family: Consequences for siblings	University of Western Australia	1,023,783.00
APP1184788	CIA - Doctor Lucinda Black CIB - Ms Dale Tilbrook CIC - Doctor Noel Nannup CID - Doctor Andrea Begley CIE - Ms Fiona Collins CIF - Ms Tara Rawson CIG - Doctor Judy Cunningham	Promoting vitamin D sufficiency among Aboriginal people through dietary strategies and safe sun exposure	Curtin University	1,768,977.50
APP1184809	CIA - Associate Professor Michael Samuel CIB - Doctor Marina Kochetkova CIC - Doctor Chia-Chi Chien	Repurposing the Field Effect to understand epigenetic control of the microenvironment	University of South Australia	623,580.00
APP1184836	CIA - Doctor Daniel Opi CIB - Doctor Linda Reiling CIC - Doctor Gaoqian Feng	Enhanced identification of targets of immunity to advance <i>P. vivax</i> vaccine development	Burnet Institute	608,764.00

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APP1184841	CIA - Doctor Shayanti Mukherjee CIB - Professor Jerome Werkmeister CIC - Professor Bayden Wood CID - Associate Professor Anna Rosamilia	Advancing Women's Urogynecological Health using Micro/Nanotechnologies	Monash University	1,168,385.00
APP1184867	CIA - Professor Mark Hedger CIB - Professor Andreas Meinhardt	Treating Inflammation in the Male Reproductive Tract	Monash University	1,225,116.00
APP1184874	CIA - Doctor Melkam Kebede CIB - Associate Professor Cedric Asensio CIC - Associate Professor Julia von Blume	Proinsulin sorting at the trans-Golgi-network.	University of Sydney	601,672.50
APP1184879	CIA - Professor Suresh Mahalingam CIB - Professor Richard Bucala	How alphaviruses cause chronic, persistent joint disease	Griffith University	905,080.00
APP1184885	CIA - Professor Matthew Sweet CIB - Doctor Divya Ramnath	Defining molecular links between immune cell metabolism and inflammation	The University of Queensland	980,080.00
APP1184890	CIA - Doctor Emanuele Pelosi CIB - Associate Professor Craig Smith CIC - Doctor Rebecca Deans CID - Assistant Professor Alla Vash-Margita	Congenital malformations of the female reproductive tract: identification of novel genetic causes to improve diagnosis and management	The University of Queensland	781,237.00
APP1184899	CIA - Doctor Tatsuo Sato CIB - Professor Greg Stuart	Probing the role of dendrites in cortical gain control	Monash University	777,420.00
APP1184906	CIA - Doctor Adam Uldrich CIB - Doctor Andreas Behren	Recognition of phosphoantigen by gamma-delta T cells	University of Melbourne	1,462,465.50
APP1184925	CIA - Doctor Susan Woods CIB - Associate Professor Tal Danino CIC - Associate Professor Nicholas Arpaia	Probiotics to detect & treat bowel cancers	The University of Adelaide	596,608.20

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APP1184927	CIA - Doctor Jun Yang CIB - Professor Michael Stowasser CIC - Professor Grant Russell CID - Doctor Stella Gwini	Screening for Primary Aldosteronism: Outcomes, Economics and Biomarkers	Monash University	571,199.10
APP1184929	CIA - Associate Professor Eddy Kizana CIB - Doctor Cindy Kok	Creation of human cardiac specific adeno-associated virus gene therapy vectors using a humanized rodent heart	University of Sydney	1,046,191.00
APP1184974	CIA - Associate Professor Brett Graham CIB - Professor Robert Callister CIC - Doctor David Hughes	Projection neuron axon collaterals in the dorsal horn: the missing link in spinal pain processing?	The University of Newcastle	500,185.00
APP1185021	CIA - Doctor Kathryn Poole CIB - Doctor Kristopher Kilian CIC - Doctor Setareh Sianati CID - Doctor Nicholas Ariotti	Mechanosensors in cancer	University of New South Wales	1,185,410.00
APP1185073	CIA - Associate Professor James Ward CIB - Professor Basil Donovan CIC - Professor Steven Wesselingh CID - Doctor Clare Bradley CIE - Doctor Salenna Elliott CIF - Doctor Jacqueline Stephens CIG - Associate Professor Handan Wand	Implementing a precision public health approach to eliminate sexually transmitted infections and control HIV in remote Australia	Flinders University	2,455,034.00
APP1185094	CIA - Professor David Nisbet CIB - Professor Colin Jackson CIC - Doctor Richard Williams	Using Stem Cells and Oxygen Vectors to Enhance Graft Integration in Parkinson's Disease	Australian National University	525,775.00
APP1185116	CIA - Professor Allison Cowin CIB - Associate Professor Mark Fear	Development of a systemic antibody therapy for burns	University of South Australia	801,985.00

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APP1185122	CIA - Professor Mary Collins Chebib CIB - Doctor Nathan Absalom CIC - Doctor Petra van Nieuwenhuijzen CID - Associate Professor Philip Ahring CIE - Doctor Kavitha Kothur CIF - Associate Professor Rikke Moller	Precision medicines for GABA-A receptor variants in epilepsy	University of Sydney	1,709,845.00
APP1185180	CIA - Professor Dennis Velakoulis CIB - Doctor Dhamidhu Eratne CIC - Professor Kaj Blennow CID - Professor Mark Walterfang CIE - Doctor Qiao-Xin Li CIF - Doctor Samantha Loi CIG - Doctor Wendy Kelso CIH - Doctor Sarah Farrand CII - Doctor Andrew Evans CIJ - Doctor Alexander Santillo	MiND: Markers in Neuropsychiatric Disorders	University of Melbourne	1,792,973.00
APP1185213	CIA - Doctor Glen Carter CIB - Doctor Claire Gorrie CIC - Doctor Ian Monk	Mechanisms and Biological Impacts of Daptomycin Resistance in Vancomycin Resistant Enterococci	University of Melbourne	939,790.00
APP1185220	CIA - Doctor Owen Marshall CIB - Angela Giangrande	There and back again: understanding the epigenetic remodelling that turns glia into glioma	University of Tasmania	536,848.20
APP1185294	CIA - Doctor Marcus Robinson CIB - Doctor Isaak Quast CIC - Doctor Erica Brodie	Defining sources of IgE in chronic allergic diseases	Monash University	731,920.00

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APP1185314	CIA - Doctor Xiaowei Wang CIB - Doctor Laura Bienvenu	Personalised medicine for inflammatory and thrombotic diseases: Generating novel and transformative diagnostic, therapeutic and theranostic approaches	Baker Heart and Diabetes Institute	678,141.00
APP1185346	CIA - Professor Axel Kallies CIB - Doctor Sarah Gabriel	Understanding differentiation and function of intratumoral T cells	University of Melbourne	703,880.00
APP1185387	CIA - Doctor Wayne Crismani CIB - Doctor Davis McCarthy	A simple method to determine individual genome structures and assay fertility, using single haploid cell sequencing	St Vincent's Institute of Medical Research	887,999.00
APP1185390	CIA - Doctor Nicole Rankin CIB - Doctor Emily Stone CIC - Associate Professor Joel Rhee CID - Professor Fraser Brims CIE - Doctor Kuan Pin Lim CIF - Doctor Marianne Weber	Accelerating translation: Acceptability and feasibility of potential lung cancer screening implementation in Australian communities	Cancer Council NSW	567,728.50
APP1185399	CIA - Doctor Karen Weynberg CIB - Assistant Professor Paul Jaschke	Treatment of multi-drug resistant infections using a novel, rapid and customised synthetic phage therapy platform	The University of Queensland	457,834.10
APP1185426	CIA - Professor Neil O'Brien-Simpson CIB - Professor Greg Qiao CIC - Doctor Jason Lenzo CID - Doctor James Holden CIE - Doctor Wenyi Li	Reversing Antibiotic Resistance in Superbugs	University of Melbourne	975,667.00
APP1185427	CIA - Doctor Shyuan Ngo CIB - Doctor Frederik Steyn CIC - Associate Professor Peter Noakes	Fine tuning metabolic flux: Modulating substrate oxidation as a therapeutic strategy in motor neurone disease (MND)	The University of Queensland	696,210.00

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APP1185442	CIA - Doctor Maureen Hagan CIB - Doctor Shaun Cloherty	From synapses to networks: understanding how brain networks guide behaviour	Monash University	749,140.00
APP1185456	CIA - Doctor Kara Britt CIB - Professor Kelly-Anne Phillips	A new way to deliver breast cancer prevention	University of Melbourne	678,880.00
APP1185467	CIA - Doctor Anthea Lindquist CIB - Professor Beverley Vollenhoven CIC - Professor Anna-Karin Wikström CID - Doctor Lisa Campbell	Pregnancy and childhood outcomes associated with novel medication use in early pregnancy following IVF-assisted conception	University of Melbourne	592,259.00
APP1185477	CIA - Professor Kathryn Burdon CIB - Doctor Jonathan Ruddle CIC - Doctor Bennet McComish CID - Ms Lisa Kearns	Identifying the Genetic Causes and Modifiers of Paediatric Cataract	University of Tasmania	1,011,132.40
APP1185513	CIA - Doctor Lisa Mielke CIB - Associate Professor David Williams	Understanding the role of intraepithelial lymphocytes in intestinal barrier function and development of colorectal cancer.	La Trobe University	579,508.00
APP1185565	CIA - Doctor John Lin CIB - Doctor David Gell	Shining light on the role of neurotrophin/Trk receptor signalling in synaptic plasticity and memory formation	University of Tasmania	496,955.00
APP1185600	CIA - Doctor Guei-Sheung Liu CIB - Doctor Vickie Wong	Losing the needle: Using eye drop-based switchable gene therapy as a non-invasive controlled intervention in neovascular blindness	University of Tasmania	683,291.50
APP1185615	CIA - Doctor Jonathan Beesley CIB - Doctor Wei Shi CIC - Doctor Karen McCue	Investigating the role of breast cancer susceptibility genetic variants in immune surveillance	The Council of the Queensland Institute of Medical Research	546,955.00

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APP1185616	CIA - Professor Gail Risbridger CIB - Doctor David Clouston CIC - Professor Mark Frydenberg CID - Professor Declan Murphy	Targeting lethal prostate cancer in its infancy	Monash University	764,363.50
APP1185751	CIA - Professor Minoti Apte CIB - Doctor Chamini Perera CIC - Professor Suresh Chari CID - Professor Jerry Greenfield CIE - Doctor Zhihong Xu CIF - Professor Jeremy Wilson CIG - Professor Romano Pirola	Pancreatic Cancer-Related Diabetes: Novel Role of Pancreatic Stellate Cells	University of New South Wales	486,210.00
APP1185777	CIA - Doctor Yugeesh Lankadeva CIB - Professor Clive May CIC - Professor Roger Evans CID - Associate Professor Andrew Cochrane	Targeting renal hypoxia to avoid cardiac surgery associated acute kidney injury	University of Melbourne	1,066,236.00
APP1185813	CIA - Associate Professor Timothy Cole CIB - Associate Professor Megan Wallace CIC - Professor Paula Monaghan-Nichols	Novel partial glucocorticoid receptor agonists to treat lung immaturity and dysfunction of preterm birth	Monash University	760,060.00
APP1185870	CIA - Doctor Anthony Cesare	Understanding a novel pathway in genome stability: mTOR and F-actin alter nuclear architecture to repair DNA replication stress	University of Sydney	568,603.55
APP1185907	CIA - Associate Professor Andreas Moeller CIB - Professor Matt Trau	Early detection of lung cancer	The Council of the Queensland Institute of Medical Research	717,491.75
APP1185915	CIA - Professor Hong Zhou CIB - Doctor Michael Swarbrick CIC - Doctor Sarah Kim	Skeletal glucocorticoid signalling is required for high-fat diet-induced bone loss and obesity	ANZAC Research Institute	639,166.00

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APP1185980	CIA - Professor John Hopper CIB - Doctor Gillian Dite CIC - Doctor Daniel Lee CID - Doctor Shuai Li	New risk factors for breast cancer based on digital mammograms: determinants, prediction of interval cancers, and clinical translation through VOLPARA	University of Melbourne	871,985.00
APP1185981	CIA - Associate Professor Jason Ivanusic	Mechanisms and management of osteoarthritis pain	University of Melbourne	1,050,100.00
APP1186000	CIA - Doctor Maté Biro CIB - Doctor Szun Tay CIC - Associate Professor Jerome Laurence CID - Doctor Satya Arjunan	Harnessing homotypic T cell chemokine signalling to enhance solid tumour infiltration	University of New South Wales	860,076.00
APP1186019	CIA - Professor Edouard Stanley	Reconstructing Human Autoimmunity in vitro	Murdoch Childrens Research Institute	996,560.00
APP1186025	CIA - Associate Professor Karin Borges CIB - Associate Professor Michelle Puchowicz	Altered glycogen metabolism in epilepsy	The University of Queensland	634,603.00
APP1186084	CIA - Professor Sandra Cooper CIB - Doctor Frances Evesson CIC - Mr Himanshu Joshi	A new class of genetic splicing variant underlying inherited disorders and cancer	University of Sydney	584,314.30
APP1186123	CIA - Doctor Dorothea Dumuid CIB - Professor Timothy Olds CIC - Professor Melissa Wake CID - Professor Ron Kenett CIE - Professor Frank Neumann CIF - Associate Professor Zeljko Pedisic CIG - Doctor François Fraysse CIH - Associate Professor David Foster	Optimising time use for health and wellbeing	University of South Australia	951,708.00



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APP1186140	CIA - Doctor Michael McDonald CIB - Doctor Terry Kwok	Novel targets from the antibiotic resistance network in multi-drug resistant <i>Helicobacter pylori</i>	Monash University	702,420.00
APP1186185	CIA - Professor Terrence Haines CIB - Doctor Ronald Shorr CIC - Professor Mari Botti CID - Doctor Natasha Brusco CIE - Associate Professor Elizabeth O'Brien CIF - Doctor Bernice Redley CIG - Doctor Kelly-Ann Bowles	A new approach to disinvestment: Application to falls prevention mobilisation alarms	Monash University	1,122,136.50
APP1186315	CIA - Doctor Florian Wiede	Targeting PTP1B to improve adoptive T cell immunotherapy	University of Melbourne	671,520.00
APP1186363	CIA - Ms Anna Lene Seidler CIB - Doctor Seema Miharshahi CIC - Associate Professor Rebecca Golley CID - Ms Kylie Hunter CIE - Ms Brittany Johnson CIF - Doctor Lukas Staub CIG - Professor Lisa Askie CIH - Professor Rachael Taylor CII - Associate Professor Paul Chadwick	TOPCHILD (Transforming Obesity Prevention for CHILDren). Looking into the black box of interventions	University of Sydney	411,926.00
APP1186382	CIA - Professor Robin McAllen CIB - Doctor Michael McKinley	Critical consequences of neuro-immune crosstalk and its relevance to sepsis	University of Melbourne	601,526.00
APP1186384	CIA - Professor Robin McAllen CIB - Doctor Michael McKinley	The Neuro-Immune Synapse	University of Melbourne	648,880.00
APP1186505	CIA - Doctor Dale Garsed	Understanding adverse and exceptional outcomes in high-grade serous ovarian cancer	University of Melbourne	868,880.00

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APP1186512	CIA - Doctor Yi Wang CIB - Professor Christian Vaisse	The role of neuronal Trim28 in regulating metabolism	Baker Heart and Diabetes Institute	600,862.00
APP1186572	CIA - Doctor Tanya Nippita CIB - Doctor Sarah Glastras CIC - Professor Sally Cripps CID - Professor Jonathan Morris CIE - Doctor Deborah Randall CIF - Doctor Ibinabo Ibiebele CIG - Doctor Felicity Gallimore	Data informed healthcare: Improving outcomes for women with gestational diabetes through innovative data communication	University of Sydney	732,662.00
APP1186575	CIA - Associate Professor Marco Herold CIB - Doctor Bernhard Lechtenberg	Regulation of Haematopoietic stem cell function by the E3 Ubiquitin ligase HectD1	The Walter and Eliza Hall Institute of Medical Research	840,060.00
APP1186647	CIA - Professor Wayne Tilley CIB - Associate Professor Elgene Lim CIC - Professor Richard Iggo CID - Associate Professor Jason Carroll	A combinatorial drug strategy to target lethal forms of breast cancer	The University of Adelaide	1,148,310.00
APP1186699	CIA - Associate Professor Benjamin Schulz CIB - Doctor Cassandra Pegg	The dynamic subcellular glycoproteome during influenza virus infection	The University of Queensland	543,135.00
APP1186731	CIA - Doctor Christopher Slape	Cell competition as a tumour suppressor mechanism in leukaemia	The University of Queensland	577,282.20
APP1186742	CIA - Associate Professor Nigel Barnett CIB - Professor Helen O'Neill CIC - Professor Steven Bottle	Retinal stem cell therapy in the immunoprivileged eye	Bond University Limited	683,062.00
APP1186835	CIA - Associate Professor Irina Vetter	Mechanism-based treatments for chemotherapy-induced pain	The University of Queensland	812,662.00

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APP1186867	CIA - Associate Professor Marina Kennerson CIB - Doctor Gonzalo Perez Siles CIC - Doctor Ramesh Narayanan	Looking beyond the exome: structural variation and gene dysregulation causing neurodegeneration	ANZAC Research Institute	782,420.00
APP1186891	CIA - Professor Avril Robertson CIB - Professor James Fraser	Novel Broad Spectrum Antifungals Active Against Drug Resistant <i>Candida Auris</i>	The University of Queensland	694,943.00
APP1186915	CIA - Professor Michael Kalloniatis CIB - Doctor Barbara Zangerl CIC - Doctor David Alonso-Caneiro CID - Doctor Sieu Khuu	Predicting visual function from structural data in health and ocular disease	University of New South Wales	476,548.10
APP1186943	CIA - Doctor Oliver Rawashdeh CIB - Associate Professor Rajendram Rajnarayanan CIC - Professor Henrik Oster	The clock as a therapeutic target to improve sleep quality and circadian dysfunction in Parkinson's disease: fighting neurodegeneration by treating chronodegeneration	The University of Queensland	890,837.50
APP1186955	CIA - Professor Jason Mattingley CIB - Doctor Dragan Rangelov CIC - Associate Professor Nele Demeyere CID - Associate Professor Mark Stokes	Computational and neural investigations of integrated perceptual decision making in health and disease	The University of Queensland	736,414.00
APP1187040	CIA - Professor Ann Simpson CIB - Associate Professor Bronwyn O'Brien CIC - Doctor Najah Nassif	Pancreatic transdifferentiation of human hepatocytes using a self-inactivating lentiviral vector	University of Technology Sydney	891,840.00
APP1187068	CIA - Associate Professor Thomas Gebhardt	Understanding the immune mechanisms that keep melanoma in check	University of Melbourne	732,108.00
APP1187156	CIA - Associate Professor Anna King CIB - Associate Professor Alison Canty CIC - Doctor Anthony Cook CID - Doctor Sharn Perry	Why do we have SARM 1 protein if knocking it out prevents axons degenerating?	University of Tasmania	597,651.00

App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget \$
APP1187234	CIA - Doctor Heather Flores CIB - Associate Professor Damian Dowling CIC - Professor Craig White	Dissecting nuclear-mitochondrial interactions in <i>Aedes aegypti</i> and their effects on Wolbachia biocontrol methods	Monash University	1,015,583.75
APP1187301	CIA - Professor Chao Deng CIB - Professor Rodney Croft	Exposures of mobile phone radiofrequency electromagnetic energy in juveniles: effects on brain development and behaviours	University of Wollongong	1,264,200.00
APP1187328	CIA - Associate Professor Pilar Blancafort CIB - Professor Riccardo Dolcetti CIC - Doctor Roberta Mazzi CID - Doctor Silvana Gaudieri CIE - Doctor Marck Norret	Reprogramming anti-tumor therapy responses by locus selective manipulation of the epigenome in breast cancer	University of Western Australia	1,438,755.00
APP1187367	CIA - Associate Professor Daniel Gray CIB - Doctor Jarrod Dudakov	Stromal cell regulation of thymic injury and regeneration	The Walter and Eliza Hall Institute of Medical Research	1,000,650.00
APP1187416	CIA - Doctor Gila Moalem-Taylor CIB - Doctor Felix Aplin CIC - Doctor Jason Potas CID - Associate Professor Gene Fridman	A novel approach for peripheral neuromodulation: Using ionic direct current to treat chronic pain	University of New South Wales	732,693.60
APP1187491	CIA - Professor David Craik CIB - Doctor Thomas Durek CIC - Doctor Simon de Veer	Peptide ligands as tools to decipher receptor biology	The University of Queensland	619,874.80
APP1187505	CIA - Doctor Yvonne Eiby CIB - Professor Ian Wright CIC - Doctor Barbara Lingwood CID - Doctor James Pang	Loss of blood volume at the capillary level contributes to poor outcomes for preterm infants	The University of Queensland	1,377,948.60

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APP1187567	CIA - Professor Christopher Ormandy	Building the first mouse model of ER+ breast cancer.	University of New South Wales	567,543.50
APP1187573	CIA - Professor Mark Dawson	Investigating the role of CMTM6 in regulating anti-tumour immunity	University of Melbourne	980,360.00
APP1187580	CIA - Doctor Kelly Crossley CIB - Doctor Philip DeKoninck CIC - Associate Professor Ryan Hodges CID - Doctor Marta Thio	Reducing the risk of pulmonary hypertension in infants with a congenital diaphragmatic hernia.	Monash University	920,076.00
APP1187595	CIA - Associate Professor Justin Hamilton CIB - Doctor Vivien Chen	Inhibition of the platelet thrombin receptor PAR4 to prevent thrombosis in coronary artery disease	Monash University	1,148,011.00
APP1187606	CIA - Associate Professor Hilda Pickett	The role of ZNF827 in the DNA damage response	University of Sydney	415,620.00
APP1187638	CIA - Doctor Harald Janovjak	Beta-cell replication through light activation of the OPN3 receptor	Monash University	465,185.00
APP1187652	CIA - Associate Professor Quenten Schwarz CIB - Doctor Emily Jaehne	Novel molecular mechanisms driving interneuron development	University of South Australia	722,700.00
APP1187656	CIA - Professor Robin Drogemuller CIB - Doctor Suzanne Kuys CIC - Associate Professor Gert-Jan Pepping CID - Professor Paul Sanders CIE - Associate Professor Evonne Miller CIF - Doctor Andrea Blake CIG - Doctor Rosamund Harrington CIH - Doctor Tanja Tyvimaa CII - Ms Marissa Lindquist CIJ - Mr Mark Trotter	An Inter-generational Learning and Living Campus: A New Model for Healthy Senior Living and Integrated School Communities across Urban and Regional Australia.	Queensland University of Technology	1,156,152.75

<b>App ID</b>	<b>Chief Investigator Name(s)</b>	<b>Application Title</b>	<b>Administering Institution</b>	<b>Budget \$</b>
APP1187723	CIA - Doctor Ewa Michalak CIB - Doctor Enid Lam	Exploiting RNA export as a novel treatment strategy for cancer	University of Melbourne	628,722.00
APP1187737	CIA - Doctor Laura Weyrich CIB - Doctor Peter Zilm CIC - Doctor Nirmal Goswami	Developing Oral Microbiome Transplants in Australia	The University of Adelaide	595,000.00
APP1187748	CIA - Associate Professor Alicia Oshlack	Advancing the analysis of single cell transcriptomics to facilitate biomedical research	Murdoch Childrens Research Institute	272,825.00
APP1187755	CIA - Doctor Jane Bourke CIB - Doctor Stephen Dubsky CIC - Doctor Simon Royce	Free fatty acid receptors as novel bronchodilator targets in severe asthma	Monash University	718,135.00
APP1187763	CIA - Professor Paul Baird CIB - Doctor Srujana Sahebjada CIC - Associate Professor Mark Daniell CID - Professor Karin Verspoor CIE - Doctor Elsie Chan	Using artificial intelligence and novel technology to detect and monitor corneal disease	University of Melbourne	545,060.00
APP1187809	CIA - Doctor Andrew Currie CIB - Doctor Matthew Payne CIC - Doctor Stacey Reinke CID - Professor Tobias Strunk CIE - Doctor Edward Litton CIF - Associate Professor Mary Boyce CIG - Doctor Garth Maker CIH - Doctor Edward Raby	Improving sepsis diagnosis using a precision molecular test	Murdoch University	728,455.00
APP1187962	CIA - Doctor Song Yao	A new target for heart failure treatment: the blood-brain barrier	University of Melbourne	509,295.00

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APP1187989	CIA - Doctor Chengxue Qin CIB - Doctor Kristy Jackson CIC - Professor Owen Woodman	Exploiting Biased Agonists of Formyl Peptide Receptors as Pharmacotherapy for Pulmonary Hypertension: simultaneous targeting of vascular function and remodelling	Baker Heart and Diabetes Institute	734,122.00
APP1188077	CIA - Doctor Matthew Grigg CIB - Doctor Matthew Field CIC - Doctor Sarah Auburn CID - Doctor Ashley Waardenberg CIE - Professor Christopher Drakeley	Parasite and human genetic risk factors for emerging Plasmodium knowlesi (Pk) malaria	Menzies School of Health Research	653,377.00
APP1188098	CIA - Professor Anthony Papenfuss CIB - Doctor Daniel Cameron	Advancing the state-of-the-art in genomic rearrangement detection in cancer	The Walter and Eliza Hall Institute of Medical Research	262,090.00
APP1188115	CIA - Doctor Kate McArthur	Redefining the nature of mitochondrial damage	Monash University	682,670.00
APP1188169	CIA - Associate Professor Peter Noakes CIB - Associate Professor William Phillips	Understanding neuromuscular synaptic loss in Motor Neurone Disease	The University of Queensland	416,210.00
APP1188175	CIA - Professor Jade Forwood	New insights into SOX-related diseases: challenging our understanding of the signalling mechanisms which mediate nuclear localisation of SOX family members	Charles Sturt University	368,850.00
APP1188181	CIA - Professor Alan Brichta CIB - Associate Professor Eugene Nalivaiko CIC - Doctor Rebecca Lim CID - Professor Robert Callister CIE - Doctor Lauren Poppi CIF - Doctor Joseph Holt	The Efferent Vestibular System as a new target to treat balance disorders and motion sickness	The University of Newcastle	637,703.00

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APP1188208	CIA - Doctor Max Nobis	Cdk4/6 and Cdk1 inhibition in breast cancer: intravital insights to overcome Cdk4/6 Palbociclib resistance in vivo using Cdk1-FRET biosensor mice technology	University of New South Wales	596,520.00
APP1188218	CIA - Doctor Mary Kavurma CIB - Doctor Sian Cartland CIC - Associate Professor Sanjay Patel CID - Doctor David Robinson CIE - Associate Professor Thomas Griffith	Endothelial cell-pericyte crosstalk: novel interactions for generating stable and functional blood vessels in ischaemia	University of Sydney	1,181,576.00
APP1188248	CIA - Doctor Jai Rautela CIB - Professor Eric Vivier	Innate Immune Surveillance of Cancer Metastasis by Natural Cytotoxicity Receptor 1	Monash University	974,497.00
APP1188274	CIA - Professor Gregory Goodall CIB - Doctor Katherine Pillman	Elucidating coding region targets of microRNAs	University of South Australia	650,060.00
APP1188332	CIA - Professor Mark Gillies CIB - Doctor Ling Zhu CIC - Xiaohui Fan CID - Doctor Ting Zhang CIE - Doctor Nilisha Fernando CIF - Doctor Fanfan Zhou	Targeting a novel pathogenic glia-neuronal pathway in retinal diseases	University of Sydney	859,200.00
APP1188348	CIA - Associate Professor Eddy Kizana	Preclinical Assessment of Gene Therapy for Creation of a Biological Pacemaker	University of Sydney	741,085.00
APP1188400	CIA - Associate Professor Nicole Verrills CIB - Associate Professor Anoop Enjeti	Targeting DNA-PK in acute myeloid leukaemia	The University of Newcastle	741,610.00



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APP1188401	CIA - Doctor Amr Fawzy Moussa CIB - Associate Professor Martin Saunders CIC - Associate Professor Peta Clode CID - Professor Murray Baker CIE - Doctor Omar Kujan	Potential of High Intensity Focused Ultrasound (HIFU) in Dental Restorative Fillings: A Novel Approach of Dentin Surface Conditioning	University of Western Australia	319,351.00
APP1188414	CIA - Doctor David Tsai CIB - Assistant Professor Hongki Kang	Transparent, soft arrays for closed-loop, cellular-resolution brain recording and stimulation	University of New South Wales	1,008,374.00
APP1188493	CIA - Professor Murray Cairns CIB - Associate Professor Stephen Glatt	Dysregulation of the RNA regulatory matrix in schizophrenia	The University of Newcastle	982,622.00
APP1188503	CIA - Doctor Alexander Pinto	Identifying new cellular targets to treat heart failure	La Trobe University	1,059,932.00
APP1188514	CIA - Professor Clive May CIB - Doctor Yugeesh Lankadeva CIC - Professor Rinaldo Bellomo CID - Professor Roger Evans	Reversing Renal Medullary Hypoxia and Acute Kidney Injury in Sepsis	University of Melbourne	921,236.00
APP1188520	CIA - Professor Paul Thomas CIB - Doctor Stefka Tasheva	Investigating the molecular pathology for PCDH19-Girls Clustering Epilepsy	The University of Adelaide	935,080.00
APP1188552	CIA - Doctor Vivek Gupta CIB - Professor Stuart Graham CIC - Doctor Wojciech Krezel CID - Doctor Nitin Chitranshi CIE - Doctor Mehdi Mirzaei	Retinoid X receptors and Reginoids: Harnessing their Neuroprotective effects in the Glaucoma	Macquarie University	652,052.00
APP1188584	CIA - Associate Professor Kelli MacDonald CIB - Doctor Jana Vukovic	Preclinical modelling of brain chronic GVHD to instruct novel approaches for limiting the neurological complications of SCT	The Council of the Queensland Institute of Medical Research	1,061,778.50

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APP1188589	CIA - Doctor Stephen Daley	Delineating cortical and medullary self-tolerance mechanisms in the thymus	Monash University	745,057.00
APP1188643	CIA - Professor Gary Housley CIB - Professor Xue Liu CIC - Professor Shin-ichi Usami CID - Professor Zhiyong Liu CIE - Professor Allen Ryan CIF - Professor Catherine McMahon CIG - Professor David McAlpine CIH - Doctor Jennie Cederholm CII - Professor Peter Thorne CIJ - Associate Professor Srdjan Vlajkovic	Cochlear purinergic adaptation as a biomarker for vulnerability to noise-induced hearing loss	University of New South Wales	1,435,100.00
APP1188689	CIA - Associate Professor Helen Abud CIB - Doctor Thierry Jarde	Defining the role of niche-derived Neuregulin-1 in intestinal regeneration	Monash University	953,296.00
APP1188694	CIA - Doctor Fred Chen CIB - Professor Sue Fletcher CIC - Doctor Samuel McLenachan CID - Doctor Paula Cunningham	Accelerating the identification and treatment of splice-altering mutations underlying inherited retinal diseases	University of Western Australia	1,150,100.00
APP1188744	CIA - Professor George Paxinos CIB - Doctor Mustafa Kassem	The Brain Reservoir: A freely available, living-digital-collection of exquisitely stained human and other animal brain tissue	University of New South Wales	291,384.00
APP1188885	CIA - Associate Professor Ross Dickins	Mechanisms of AML differentiation therapy response and relapse	Monash University	808,880.00
APP1188908	CIA - Associate Professor Elena Bagley	Endogenous opioids in drug addiction	University of Sydney	762,430.00
APP1188959	CIA - Professor Richard Lewis CIB - Doctor Fernanda Cardoso CIC - Doctor Christina Schroeder	Novel multifunctional analgesic sodium channel inhibitors	The University of Queensland	777,852.00

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APP1188987	CIA - Doctor Shafagh Waters CIB - Professor Adam Jaffe CIC - Professor Margarida Amaral CID - Associate Professor Jeffrey Beekman CIE - Associate Professor Serdar Kuyucak	Towards Personalised Cystic Fibrosis Medicine: Functional characterisation and targeted therapies for rare CF Transmembrane Regulator (CFTR) mutations using patient-derived organoids	University of New South Wales	816,682.00
APP1189012	CIA - Doctor Graeme Lancaster CIB - Doctor Peter Bond	The Cellular Lipid Landscape is a Defining Trait of Human and Murine Immune Systems: Determining the Role of Ether Lipids in Myeloid Cells	Baker Heart and Diabetes Institute	630,405.40
APP1189113	CIA - Professor Gary Housley CIB - Doctor Jeremy Pinyon CIC - Doctor Georg von Jonquieres CID - Professor Matthias Klugmann	Restoring hearing by gene electrotransfer – based enablement of auditory neurons to transduce sound	University of New South Wales	486,452.00
APP1189145	CIA - Professor Guiying Nie CIB - Doctor Sally Catt	A new strategy in the search for treatments for early onset preeclampsia	Monash University	856,540.00
APP1189235	CIA - Doctor Shane Grey CIB - Doctor Tatyana Chtanova CIC - Professor Alan Cooper	A20: a key immune regulator of homeostasis, protective immunity and autoimmune disease	University of New South Wales	609,967.50
			<b>TOTAL</b>	<b>241,744,095</b>