



Australian Government

National Health and Medical Research Council



Ideas Grant Applications Recommended for Funding Commencing in 2024

About the Scheme

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 of any area of health and medical research from discovery to implementation.

The scheme provides particular opportunities for early and mid-career researchers, and it is expected that the Chief Investigator A (CIA) will have the scientific leadership and skills to achieve the proposed project aims.

The 2023 Ideas Grants funding round (for funding commencing in 2024) opened on 8 March 2023. The round closed on 3 May 2023 with 2182 applications received.

The applications listed in application identification number (App ID) order below were approved for funding by the Minister for Health and Aged Care, the Hon. Mark Butler MP.



App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget
2027536	CIA - Prof Stephen Alexander CIB - Dr Yuan Min Wang	Gene Therapy Strategies for Genetic Kidney Disease and Transplantation Using Novel Patient Avatar Mouse Models	University of Sydney	\$1,403,228.00
2027555	CIA - Dr Vashe Chandrakanthan CIB - Assoc Prof Daniel Thomas CIC - Prof Stan Gronthos CID - Dr Dominik Beck CIE - Dr Peggy Chan	Generation of Long-term Human Haematopoietic Stem Cells from Endothelium for Regenerative Medicine Solutions	The University of Adelaide	\$1,330,585.00
2027559	CIA - Dr Thomas Hall CIB - Dr Harriet Lo	Scalable methodology for personalised evaluation of genetic Variants of Uncertain Significance (VUS)	The University of Queensland	\$1,228,060.30
2027569	CIA - Dr Adi Idris CIB - Prof Nigel McMillan CIC - Dr Harendra Parekh CID - Prof Jørgen Kjems	Developing a universal direct acting antiviral nasal spray against multiple respiratory viruses	Queensland University of Technology	\$1,550,922.00
2027597	CIA - Assoc Prof Luca Cocchi CIB - Dr Philip Mosley CIC - Dr Sebastien Naze	Noninvasive ultrasonic deep brain stimulation as a novel tool to change brain activity in obsessive-compulsive disorder	The Council of the Queensland Institute of Medical Research	\$1,243,629.60
2027601	CIA - Assoc Prof Ethan Goddard-Borger CIB - Dr Kira Behrens	Glycosylation as a new target in myelofibrosis	The Walter and Eliza Hall Institute of Medical Research	\$1,097,377.00
2027602	CIA - Dr GOKHAN CILDIR CIB - Assoc Prof Michele Grimaldeston CIC - Assoc Prof Pravin Hissaria CID - Dr Denis Tvorogov	Elucidating the function of a novel regulator of IgE-mediated mast cell activation and chronic spontaneous urticaria development	University of South Australia	\$822,457.50
2027621	CIA - Dr Janet van Eersel	Development of next-generation gene therapy vectors for the treatment of epilepsy	Macquarie University	\$1,034,448.70
2027649	CIA - Prof Nigel McMillan CIB - Dr Adi Idris CIC - Dr Yaman Tayyar CID - Asst Prof Tristan Scott	Disassembled/reassembled extracellular vesicles (DR-EVs) - a new class of nanoparticles for disease treatment.	Griffith University	\$1,158,432.85



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2027651	CIA - Prof Trichur Vidyasagar CIB - Dr Ekaterina Levichkina CIC - Prof Mark Cook CID - Prof Luis Populin CIE - Assoc Prof Yuri Saalman CIF - Prof Elaine Wong	Exploring mechanisms underlying the effects of vagal stimulation in treatment of neurological disorders	University of Melbourne	\$865,928.72
2027655	CIA - Dr Timothy Sargeant CIB - Dr Edward Robins CIC - Dr Julian Carosi CID - Prof Christopher Proud CIE - Dr Ryan O'Hare Doig CIF - Dr Samantha Emery CIG - Prof Michael Brown	Imaging lysosomal function in the brain	South Australian Health and Medical Research Institute Limited	\$1,187,853.77
2027662	CIA - Prof Benjamin Harrison CIB - Prof Christopher Davey CIC - Dr Orli Schwartz CID - Dr Bradford Moffat CIE - Ms Rebecca Glarin CIF - Dr Alec Jamieson	Habenula circuitry mechanisms and ketamine rapid antidepressant treatment	University of Melbourne	\$995,560.00
2027674	CIA - Dr Lauren Holz CIB - Prof Ian Hermans CIC - Dr Gavin Painter	Development of an efficacious malaria mRNA vaccine	University of Melbourne	\$1,384,754.80
2027709	CIA - Assoc Prof Kelly Smith CIB - Dr Veronica Uribe Sokolov	Redefining the control of trabecular fate	University of Melbourne	\$1,179,293.00
2027729	CIA - Dr Kelly Clemens CIB - Dr Josie van Dorst CIC - Dr Kelsey Zimmermann	Protecting the Unborn: Investigating Sodium Butyrate as a Treatment for Prenatal Opioid Exposure and Its Long-Term Effects	University of New South Wales	\$873,018.00
2027730	CIA - Dr Kelly Clemens CIB - Dr Paul Waters CIC - Dr Nicole Jones CID - Dr Kelsey Zimmermann	Next generation biological therapeutics for the treatment of addiction	University of New South Wales	\$853,056.00



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2027736	CIA - Dr Jennifer Browne CIB - Prof Yin Paradies CIC - Ms Simone Sherriff CID - Prof Kathryn Backholer CIE - Dr Troy Walker CIF - Dr Jaithri Ananthapavan CIG - Prof Rachel Huxley CIH - Mr Andrew Brown	The commercial determinants of Aboriginal and Torres Strait Islander health and wellbeing: building the evidence and co-designing action	Deakin University	\$1,223,516.60
2027755	CIA - Prof Antje Blumenthal	Molecular drivers of metabolic reprogramming in Mycobacterium tuberculosis infection	The University of Queensland	\$897,069.80
2027768	CIA - Assoc Prof Ashraful Haque CIB - Asst Prof Prasanna Jagannathan CIC - Prof Sarah Teichmann	Fate and fidelity of T cell memory during repeated malaria infection	University of Melbourne	\$2,248,976.40
2027770	CIA - Assoc Prof Jiayu Wen CIB - Dr Brian Parker CIC - Dr Riemke Aggio-Bruce	The role of RNA-mediated spatio-temporal transcriptome changes in age-related macular degeneration	Australian National University	\$1,457,887.00
2027804	CIA - Dr Niliksha Gunewardene CIB - Assoc Prof Rachael Richardson CIC - Dr Thushara Perera CID - Dr San San Xu	Shining a light on deep brain stimulation	The Bionics Institute of Australia	\$1,154,211.80
2027812	CIA - Prof David Tremethick CIB - Assoc Prof Jonathan Dennis	Investigating H2A.Z as the epigenetic link between cellular plasticity and cancer	Australian National University	\$1,271,140.00
2027815	CIA - Assoc Prof Bernadette Saunders CIB - Hui-Chi Lai	miRNA as therapeutics and biomarkers for mycobacterial diseases	University of Technology Sydney	\$1,276,731.04
2027850	CIA - Assoc Prof Tina Skinner-Adams CIB - Dr John Ryan CIC - Prof Staffan Svard CID - Prof Scott Dawson CIE - Dr Andrew Riches CIF - Dr Christopher Hart	Combating treatment refractory giardiasis: New drugs and combination therapies	Griffith University	\$790,709.00



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2027877	CIA - Dr Shayanti Mukherjee CIB - Prof Jerome Werkmeister CIC - Assoc Prof Anna Rosamilia CID - Prof Bayden Wood CIE - Dr Kamila Kochan	Transforming Treatment for Pelvic Organ Prolapse with Nanotechnology	Monash University	\$1,399,615.81
2027880	CIA - Prof Brett Nixon	Targeting the epididymis to protect the integrity of the sperm epigenome	The University of Newcastle	\$983,387.50
2027881	CIA - Prof Richard Ferrero CIB - Dr Dana Philpott	How H. pylori hijacks the nucleus: A new paradigm for cancer-causing bacteria	Monash University	\$1,024,608.00
2027932	CIA - Prof Andrew Harman CIB - Prof Scott Byrne CIC - Dr Wei Tatt Toh CID - Prof Muzlifah Haniffa	Defining the Role of Antigen Presenting Cells in Crohn's Disease	University of Sydney	\$1,560,145.00
2027951	CIA - Prof Joel Mackay CIB - Dr Jason Low CIC - Dr Paige Hawkins	RaPID assessment of the chromatin remodeller CHD4 as a therapeutic target for hemoglobinopathies using a new target validation strategy	University of Sydney	\$1,133,816.00
2027965	CIA - Assoc Prof Guoping Zheng	Preventing kidney failure using BMP-7 engineered macrophages in chronic kidney disease	University of Sydney	\$1,063,137.00
2027979	CIA - Dr Yvonne Eiby CIB - Assoc Prof Michael Stark	Early transfusion to support blood volume in preterm piglets	The University of Queensland	\$1,032,159.47
2027984	CIA - Dr Najla Nasr CIB - Ms Barbara Shacklett	A novel strategy to reactivate HIV in CD4 T cells via interferon alpha treatment	University of Sydney	\$1,023,319.00
2027987	CIA - Assoc Prof Aaron Schindeler CIB - Dr Gaetan Burgio	Gene Therapy for Neurofibromatosis types 1 and 2	University of Sydney	\$1,450,562.00
2028004	CIA - Dr Jarmon Lees CIB - Dr Shiang Lim CIC - Dr Sara Anjomani Virmouni	Advancing new therapies for Friedreich ataxia heart disease	St Vincent's Institute of Medical Research	\$788,041.00



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2028020	CIA - Prof Christopher Little CIB - Dr Cindy Shu CIC - Dr Anastasia Mihailidou CID - Prof Anthony Ashton	Getting to the Heart of Osteoarthritis (OA): targeting joint-derived micro-RNAs (miRs) to reduce OA-associated cardiovascular disease (CVD) risk	University of Sydney	\$959,500.25
2028025	CIA - Dr Liang Jin CIB - Assoc Prof Qiao-Xin Li CIC - Dr Yu-Wei Lin CID - Dr Meiling Han	Applying a pharmacometric approach to achieve personalised medicine in people with Alzheimer's disease	University of Melbourne	\$814,231.00
2028037	CIA - Prof Eva Kimonis CIB - Prof Paul Frick CIC - Dr David White CID - Dr Natalie Goulter	Using novel naturalistic eye tracking technologies to uncover emotional attention mechanisms underpinning early-onset, treatment-resistant conduct disorders	University of New South Wales	\$396,019.20
2028041	CIA - Dr Mariusz Skwarczynski CIB - Prof Istvan Toth CIC - Prof Makedonka Mitreva CID - Dr Ahmed Shalash	Paving the way for a Clinical Vaccine Candidate against Hookworm Infection	The University of Queensland	\$855,524.33
2028045	CIA - Assoc Prof Brad Sutherland CIB - Dr Gary Morris CIC - Prof Gabriele De Luca CID - Dr Jenna Ziebell	Checking the pulse of pericytes: Do microglia cause a breakdown of brain blood vessels in Alzheimer's disease?	University of Tasmania	\$1,278,439.02
2028055	CIA - Dr Su Yin Lim CIB - Dr Yingxin Lin CIC - Dr John Park	Precision-based strategies to overcome treatment resistance in dedifferentiated melanoma	Macquarie University	\$950,118.00
2028078	CIA - Dr Nandita Vijayakumar CIB - Prof Sarah Whittle CIC - Dr Marc Seal CID - Divyangana Rakesh	Novel insights into adolescent stressors: Uncovering brain biomarkers and mental health consequences to inform intervention efforts	Deakin University	\$415,490.85
2028084	CIA - Assoc Prof Kara Vine CIB - Richard Price	Advancing the delivery of gene therapy to motor neurons and glial cells using focused ultrasound	University of Wollongong	\$904,873.00



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2028090	CIA - Dr Mariusz Skwarczynski CIB - Prof Istvan Toth	A nanonaccine against Invasive Group A Streptococcus and Rheumatic Heart Disease	The University of Queensland	\$608,061.00
2028135	CIA - Prof Alyssa Barry CIB - Dr Jean Popovici CIC - Dr Katherine O'Flaherty	Predicting the emergence and spread of drug resistant malaria parasites	Deakin University	\$1,352,353.90
2028153	CIA - Dr Natalie Lister CIB - Prof Christopher Sweeney CIC - Prof Gail Risbridger CID - Prof Andrew Abell	Defining the role of MYBL2 inhibition in men with aggressive prostate cancer	Monash University	\$1,167,939.60
2028164	CIA - Assoc Prof Anthony Don CIB - Dr Shane Ellis	A new paradigm for how APOE genotype affects brain lipid homeostasis and dementia risk	University of Sydney	\$1,229,748.00
2028221	CIA - Dr Joanne O'Donnell CIB - Dr Matthew Snelson	Low dietary fibre: a regulator of the immune system during high blood pressure	Monash University	\$1,089,548.00
2028226	CIA - Prof Ian Smyth CIB - Dr Denny Cottle	Unravelling the role of AURKA in Polycystic Kidney Disease	Monash University	\$1,168,672.81
2028231	CIA - Dr Tessa Gargett CIB - Prof Adrian Liston CIC - Prof Michael Brown CID - Dr Melinda Tea CIE - Dr Carly Whyte CIF - Dr Minyu Wang	Micro-targeting IL-2 delivery to remodel the glioblastoma microenvironment	University of South Australia	\$1,138,627.30
2028232	CIA - Prof Ian Smyth CIB - Dr Kieran Short CIC - Prof Karen Moritz CID - Samir El-Dahr	Understanding how binge drinking affects kidney development	Monash University	\$1,212,255.80



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2028235	CIA - Assoc Prof Paul Ekert CIB - Dr Loretta Lau CIC - Dr Emmy Dolman CID - Dr Lauren Brown CIE - Dr Pei Liu CIF - Miss Kimberly Dias	Recovering lost therapeutic opportunities in high-risk paediatric cancer - novel drivers of receptor tyrosine kinase activation	University of New South Wales	\$1,332,440.00
2028265	CIA - Dr Kristie Stefanoska	A phosphorylation signature controls memory traces	Flinders University	\$590,547.40
2028270	CIA - Assoc Prof Ben Beck CIB - Prof Dana Kulic CIC - Dr Joanne Caldwell CID - Prof Christopher Pettit CIE - Assoc Prof Meghan Winters CIF - Dr Jason Thompson CIG - Dr Lauren Pearson	Designing streets for health: developing innovative methods and tools to make cycling safe, accessible and inclusive	Monash University	\$1,263,469.40
2028286	CIA - Dr Liezhou Zhong CIB - Dr Mandy Stanley CIC - Dr Angelita Martini CID - Dr Janine Alan CIE - Prof Amanda Devine CIF - Prof James Dimmock CIG - Assoc Prof Ben Jackson CIH - Amanda Orchard	Printing an appetite for life: developing three-dimensional printed texture modified foods for aged care residents	Edith Cowan University	\$719,037.20
2028298	CIA - Dr Dane Vassiliadis CIB - Dr Brian Huntly CIC - Dr Laura MacPherson	Targeting non-genetic mechanisms of therapeutic resistance in Acute Myeloid Leukaemia	University of Melbourne	\$887,374.00



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2028308	CIA - Assoc Prof Jeffrey Warner CIB - Dr Mirjam Kaestli CIC - Dr Simon Smith CID - Dr Ella Meumann CIE - Mr Mark Mayo CIF - Assoc Prof Catherine Rush CIG - Dr Oyelola Adegboye CIH - Dr Allison Hempenstall CII - Prof Bart Currie CIJ - Dr Christopher Heather	Melioidosis on the move: Informing the public health response.	James Cook University	\$1,505,205.60
2028330	CIA - Assoc Prof Emma Sierecki CIB - Dr Yann Gambin CIC - Dr Nicolas Dzamko CID - Douglas Galasko	Strainotyping Synuclein aggregates in diseases	University of New South Wales	\$835,804.30
2028353	CIA - Dr Jason Cain CIB - Prof Alejandro Sweet-Cordero	Exploiting epigenetic dysregulation to develop differentiation therapy in solid tumours.	Monash University	\$1,914,192.00
2028360	CIA - Dr Freda Jen CIB - Dr Ibrahim El-Deeb CIC - Dr Jennifer Edwards	Combating multidrug-resistant gonorrhoea by breaking down bacterial metal homeostasis.	Griffith University	\$1,382,509.21
2028369	CIA - Prof Benjamin Hogan	Mechanisms to promote lymphatic vessel growth in tissue repair and disease	University of Melbourne	\$1,651,070.50
2028382	CIA - Dr Ali Zaid CIB - Prof Nicholas King CIC - Dr Lai Guan Ng CID - Prof Helder Nakaya	Targeting Skin Immune Responses to Limit Mosquito-Borne Viral Infection and Disease	Griffith University	\$1,282,848.90
2028388	CIA - Dr Miranda Davies-Tuck	Elucidating the role of the endometrium in predicting pregnancy outcomes	Monash University	\$1,282,017.60



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2028398	CIA - Assoc Prof Juliana Hamzah CIB - Prof Shirley Jansen CIC - Prof Peter Thompson CID - Dr Wen-Shuz Yeow CIE - Assoc Prof Berin Boughton CIF - Prof Jianglin Fan	Innovating a First-of-its-Kind Agent to Improve Blood Circulation	Curtin University	\$2,147,253.50
2028401	CIA - Dr Bridgette Semple CIB - Dr Holly Chinnery	Infant abusive head trauma: A new model to study chronic effects and potential biomarkers	Monash University	\$1,080,187.00
2028421	CIA - Prof Meaghan O'Donnell CIB - Prof Kim Felmingham CIC - Assoc Prof Sigfredo Fuentes CID - Dr Rahul Khanna CIE - Assoc Prof Karen-Inge Karstoff CIF - Dr Winnie Lau CIG - Dr Olivia Metcalf CIH - Prof Paula Schnurr CII - Dr Andrea Putica CIJ - Andrew Khoo	Creating a computational clinical decision tool for treatment selection in PTSD.	University of Melbourne	\$1,648,077.20
2028428	CIA - Dr Melinda Jackson CIB - Prof Romola Bucks CIC - Ivana Rosenzweig CID - Dr Maree Barnes CIE - Dr Michelle Olaithe	Sound asleep: A novel approach to treating Obstructive Sleep Apnoea and associated daytime impairment with acoustic slow wave sleep enhancement	Monash University	\$751,375.80
2028435	CIA - Assoc Prof Susanna Guatelli CIB - Assoc Prof Markus Hagenbuchner CIC - Dr Michael Jameson CID - Assoc Prof Jeremy Booth CIE - Assoc Prof Stephanie Corde CIF - Dr Dion Forstner CIG - Prof Michael Lerch CIH - Prof Anatoly Rozenfeld CII - Emer Prof Ah Chung Tsoi	Development of a novel Machine Learning-based dose engine for online adaptive radiotherapy	University of Wollongong	\$708,272.10



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2028446	CIA - Dr Anna Hatton CIB - Prof James Brownjohn CIC - Prof Francois Hug CID - Assoc Prof Mark Chatfield CIE - Dr Sheree Hurn CIF - Prof Guglielmo Vicenzino CIG - Ms Katrina Williams CIH - Dr Daniel Boulton	Losing touch: Exploring the neurophysiological effects of bionic sensory insole technology for balance rehabilitation	The University of Queensland	\$864,535.30
2028501	CIA - Assoc Prof Mary Kavurma CIB - Dr Sian Cartland CIC - Dr Christopher Stanley CID - Dr David Robinson CIE - Assoc Prof Sarah Aitken CIF - Dr Sergey Tumanov CIG - Prof Thomas Griffith	On the TRAIL of peripheral artery disease	University of Sydney	\$1,654,781.20
2028506	CIA - Assoc Prof Tara Roberts CIB - Dr John Lock CIC - Assoc Prof Therese Becker CID - Asst Prof Henry Woodruff CIE - Assoc Prof Peter Lin CIF - Prof Wei Chua	Combining liquid biopsy and radiomics to provide personalised management of PSMA-lutetium-177 treatment for metastatic prostate cancer patients	Western Sydney University	\$1,582,740.80
2028520	CIA - Prof Jamie Vandenberg CIB - Prof Toby Allen CIC - Dr Carus Lau CID - Monique Windley	HERG Modulators: A new approach to anti-arrhythmic therapy	University of New South Wales	\$1,106,906.00
2028533	CIA - Dr Karly Turner CIB - Dr Laura Bradfield CIC - Prof Simon Killcross	Compulsivity and inference-based predictions	University of New South Wales	\$1,327,679.00



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2028555	CIA - Prof Eric Moses CIB - Assoc Prof Amanda Henry CIC - Prof Ingrid Winship CID - Ms Lynne Roberts CIE - Dr Hoang Phan	GETTING TO THE HEART OF THE MATTER: A Novel 'Omics' Risk Score for CVD Risk Assessment in Women Following Pre-Eclampsia	University of Tasmania	\$2,243,597.50
2028572	CIA - Dr Jai Tree CIB - Dr Daniel Mediati	Enhancing antisense RNA antibiotics using aptamers that trigger RNA decay	University of New South Wales	\$779,186.15
2028578	CIA - Dr Kim Loh CIB - Chieh-Hsin Yang	Salt-Inducible Kinase 3 (SIK3): A new therapeutic target for diabetes.	St Vincent's Institute of Medical Research	\$922,820.00
2028579	CIA - Dr Hamish King	Molecular function of the chromatin reader SP140 in human B cells and autoimmune disease.	The Walter and Eliza Hall Institute of Medical Research	\$1,249,985.20
2028599	CIA - Prof Hannah Keage CIB - Dr Daniel Feuerriegel CIC - Prof Daniel Davis	Predicting delirium vulnerability from pre-surgery neurophysiological measures	University of South Australia	\$1,215,441.00
2028605	CIA - Prof James Fallon CIB - Dr Tomoko Hyakumura	Improved recording technology for chronic monitoring of the peripheral nervous system	The Bionics Institute of Australia	\$1,038,871.20
2028610	CIA - Assoc Prof Antiopi Varelias CIB - Dr Seweryn Bialasiewicz CIC - Assoc Prof Esteban Marcellin CID - Dr Ashleigh Scott CIE - Prof Geoffrey Hill	Harnessing the gut microbiome to improve stem cell transplant outcome.	The Council of the Queensland Institute of Medical Research	\$1,719,763.60
2028625	CIA - Prof Jay Horvat CIB - Assoc Prof David Reid CIC - Dr Ama-Tawiah Essilfie CID - Dr Alexandra Brown CIE - Prof Jodie Simpson	Manipulating iron metabolism in the airway mucosa for the treatment of severe asthma and COPD	The University of Newcastle	\$1,299,359.20



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2028650	CIA - Dr Hong You CIB - Asst Prof Matthew Watts CIC - Prof Carlos Graeff Teixeira CID - Prof Thomas Egwang CIE - Assoc Prof Rogan Lee	Harnessing CRISPR-Cas13 molecular diagnosis in the fight against Intestinal parasitic worms	The Council of the Queensland Institute of Medical Research	\$721,918.50
2028652	CIA - Prof Darryl Eyles CIB - Dr Xiaoying Cui CIC - Dr Harendra Parekh CID - Preeti Pandey	Intranasal delivery of clozapine to reduce side-effects: The preclinical evidence	The University of Queensland	\$851,810.35
2028656	CIA - Assoc Prof Matthew Sunderland CIB - Prof Timothy Slade CIC - Dr Jillian Halladay CID - Dr Katherine Keyes CIE - Prof Andrew Baillie	Standing on the shoulders of giants: harmonising 40 years of data to revolutionise Australia's response to increases in psychological distress	University of Sydney	\$498,463.02
2028681	CIA - Prof Paul Lockhart CIB - Dr David Szmulewicz CIC - Prof Martin Delatycki	Understanding the genetics and pathogenesis of repeat expansion disorders	Murdoch Children's Research Institute	\$1,668,755.00
2028684	CIA - Dr Joanna Achinger-Kawecka CIB - Dr Timothy Peters CIC - Anthony Schmitt	Assessing the role of the tumour ecosystem in epigenetic therapy response in ER+ endocrine-resistant breast cancer	University of New South Wales	\$1,090,079.00
2028698	CIA - Prof Louise Purton CIB - Dr Ruijie Liu CIC - Dr Lynette Chee	How does Hoxa1 alter blood-forming stem cells to cause blood cell diseases and cancer?	St Vincent's Institute of Medical Research	\$1,663,337.59
2028714	CIA - Dr Adele Lehane CIB - Assoc Prof Giel van Dooren CIC - Prof Kieran Kirk	Na(+)-dysregulating antimalarials: blocking the roads to resistance by understanding PfATP4 and its place in parasite physiology	Australian National University	\$837,718.00
2028727	CIA - Dr Marcus Robinson CIB - Dr Zhoujie Ding CIC - Dr Feng Yan	What determines plasma cell longevity?	Monash University	\$1,311,269.20



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2028758	CIA - Prof David Curtis CIB - Asst Prof Alexander Bick CIC - Assoc Prof Andrew Chan	Bringing clonal haematopoiesis (CHIP) to the clinic through screening, risk profiling and treatment	Monash University	\$1,990,620.50
2028761	CIA - Prof Uwe Dulleck CIB - Prof Benno Torgler CIC - Dr Stephen Whyte CID - Ms Anita Lee Hong CIE - Assoc Prof William Wang CIF - Dr James Doran CIG - Prof Maria Raciti CIH - Prof Jody Currie	Saving lives in rural and remote Australia: Tackling RHD related pathologies using Behavioural Economic interventions for early prevention, diagnosis, and managing disease progress	Queensland University of Technology	\$1,150,396.80
2028765	CIA - Assoc Prof Fabio Luciani CIB - Dr Raymond Louie	Harnessing Pathogenic Immune Cells to Develop a New Diagnostic for Non-Responders and Refractory Conditions in Celiac Disease	University of New South Wales	\$1,094,640.50
2028766	CIA - Dr David Herrmann CIB - Dr James Conway CIC - Dr Claire Vennin CID - Dr Talia Fuchs	Targeting fibrosis in combination with standard-of-care in pancreatic cancer guided by single-cell intravital imaging	University of New South Wales	\$599,853.00
2028773	CIA - Dr Kazuhide Shaun Okuda	Cellular signalling and growth control in vascular development and lymphatic malformations	La Trobe University	\$1,022,935.50
2028787	CIA - Prof Hong Zhou CIB - Dr Eugenie Macfarlane CIC - Prof Qing-Jun Meng	Glucocorticoid rhythmicity and its critical role in bone loss and osteoarthritis during chronic disruption of circadian rhythm	University of Sydney	\$850,602.00
2028804	CIA - Dr Lucille Rankin CIB - Asst Prof Nicholas Arpaia	Selective Targeting of Tissue-resident Tregs in Gastrointestinal Disease	The Walter and Eliza Hall Institute of Medical Research	\$1,435,168.00
2028813	CIA - Assoc Prof Emma Hamilton-Williams CIB - Dr Bree Tillett	Targeting gut microbial metabolites to prevent type 1 diabetes	The University of Queensland	\$1,466,293.40
2028871	CIA - Dr William Hamilton CIB - Assoc Prof Robert Weatheritt	mRNA processing in development and disease	University of Melbourne	\$987,177.00



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2028898	CIA - Prof Diana Hansen CIB - Assoc Prof Danielle Stanisc CIC - Dr Rintis Noviyanti CID - Prof Takafumi Tsuboi	Immune responses to asymptomatic malaria: dissecting cellular signatures to overcome immunosuppression and improve vaccination strategies	Monash University	\$873,270.80
2028921	CIA - Dr LOK HANG CARLSON Tsui CIB - Dr Lisa Rausch	Understanding the anatomical context and molecular mechanisms of T cell reinvigoration during therapeutic checkpoint blockade	University of Melbourne	\$875,952.91
2028943	CIA - Assoc Prof Laura Tarzia CIB - Prof Kelsey Hegarty CIC - Sat Bir Khalsa CID - Assoc Prof Lorna O'Doherty CIE - Dr Bessel Van Der Kolk CIF - Dr Patricia Cullen	Measuring the benefits of TRAuma-sensitive yoga for survivors of sexual violence (MANTRA Study)	University of Melbourne	\$639,804.57
2028952	CIA - Dr Andrew Gibson CIB - Prof Elizabeth Phillips CIC - Assoc Prof Abha Chopra CID - Dr Ramesh Ram	An immunogenomic roadmap to define drug- and tissue-relevant genetic-, cellular-, and structural-risk signatures of Stevens-Johnson syndrome/toxic epidermal necrolysis for population-personalized prevention and treatment in Australian populations.	Murdoch University	\$1,493,326.00
2028972	CIA - Dr Georgina Trapp (nee Wood) CIB - Dr Paula Hooper CIC - Prof Lukar Thornton CID - Dr Matthew Cooper CIE - Dr Claire Pulker CIF - Dr Alexia Bivoltsis	Pioneering a national 'Food Atlas' to map, measure and monitor food access across Australia	University of Western Australia	\$2,878,044.00
2028976	CIA - Assoc Prof Jane Alty CIB - Prof James Vickers CIC - Dr Rebecca St George CID - Mr Aidan Bindoff CIE - Assoc Prof Quan Bai CIF - Dr Maximilian Friedrich	Hiding in plain sight: Early identification of neurodegenerative disorders with computer analysis of face and eye movements	University of Tasmania	\$1,006,412.10



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2028979	CIA - Dr Benedikt Ley CIB - Dr Ari Winasti Satyagraha CIC - Dr Megha Rajasekhar CID - Assoc Prof Kamala Ley-Thriemer CIE - Mrs Mariana Kleinecke CIF - Mr Daniel Pfeffer	Change of G6PD activity in the course of malaria	Menzies School of Health Research	\$1,290,153.94
2028987	CIA - Prof Leanne Dibbens CIB - Assoc Prof Grigori Rychkov CIC - Dr Rashid Hussain	Identifying new and personalised treatments for KCNT1 neurological disorders using pharmacogenetics	University of South Australia	\$1,371,489.40
2028995	CIA - Dr Ariel Isaacs CIB - Dr Yu Shang Low CIC - Assoc Prof Alejandro Rojas-Fernandez CID - Dr Cassandra Pegg CIE - Ms Nazia Thakur	Cross-neutralising and variant resistant antibody therapies for henipaviruses	The University of Queensland	\$1,804,572.00
2029002	CIA - Assoc Prof Marita Hefler CIB - Mr Graham Beasley CIC - Ms Julie Kitson CID - Miss Kirsty Hampton CIE - Ms Anna Murison CIF - Dr Ghazal Torkfar CIG - Dr Abdolvahab Baghbanian CIH - Prof Janet Hoek	From 'Dirty Ashtray' to tobacco control innovator: co-design with remote First Nations communities in the Northern Territory to generate new approaches to reduce smoking	Menzies School of Health Research	\$2,123,560.50
2029017	CIA - Assoc Prof Yuning Hong CIB - Prof Paul Fisher	Using novel chemical probes to identify damaged proteins as new biomarkers for Parkinson's disease	La Trobe University	\$1,016,204.00
2029019	CIA - Prof Louise Purton CIB - Dr Gavin Tjin CIC - Dr Ruijie Liu	How do dysregulated bone marrow endothelial cells alter blood cell production?	St Vincent's Institute of Medical Research	\$1,665,078.21
2029067	CIA - Dr Kylie Dunning CIB - Prof Kishan Dholakia	Suspended by sound: A novel approach to grow developmentally competent oocytes in vitro	The University of Adelaide	\$1,387,127.28



App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget
2029078	CIA - Assoc Prof Nathan Pavlos CIB - Prof Jiake Xu CIC - Dr Vanessa Fear CID - Owen Duncan CIE - Miss Amy Ribet	'Sorting-Out' the Skeleton: The Role of Sorting Nexin 10 in Osteoclasts and Bone Disease	University of Western Australia	\$922,525.60
2029087	CIA - Prof Natalie Hannan CIB - Assoc Prof Amanda Henry CIC - Dr Natasha de Alwis CID - Ms Lynne Roberts	A mother's risk of future cardiovascular disease following preeclampsia: is early detection and prevention possible?	University of Melbourne	\$1,129,806.40
2029088	CIA - Dr Dale Garsed CIB - Prof Brad Nelson	Harnessing the immune response in exceptionally long-term survivors of ovarian cancer to develop novel therapeutics	University of Melbourne	\$1,638,231.10
2029098	CIA - Prof Helen Milroy CIB - Prof Pat Dudgeon CIC - Assoc Prof Mark Wenitong CID - Dr Marshall Watson CIE - Mr Michael Mitchell CIF - Dr Shraddha Kashyap CIG - Dr Jemma Collova CIH - Assoc Prof Robert Parker CII - Assoc Prof Mathew Coleman	Understanding Aboriginal and Torres Strait Islander peoples concepts and experiences in mental health	University of Western Australia	\$2,963,874.00
2029129	CIA - Dr Ying Xia CIB - Assoc Prof Michelle Lupton CIC - Dr Jurgen Fripp CID - Prof Paul Maruff CIE - Assoc Prof Paul Thomas	Optimising the therapeutic value of cholinesterase inhibitors in Alzheimer's disease	Commonwealth Scientific and Industrial Research Organisation	\$796,351.60
2029164	CIA - Prof Katherine Andrews CIB - Assoc Prof Tina Skinner-Adams CIC - Dr Gillian Fisher CID - Dr John Ryan CIE - Dr Andrew Riches	Defining new mechanisms of action and resistance for the malaria drug proguanil	Griffith University	\$831,315.80



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2029165	CIA - Assoc Prof Margaret Hibbs CIB - Dr Evelyn Tsantikos	Targeting granulocyte colony-stimulating factor to prevent early-life lung disease	Monash University	\$1,299,786.00
2029168	CIA - Dr Lorey Smith CIB - Dr Ivan Topisirovic CIC - Assoc Prof Ola Larsson	Investigating transcript diversity as a driver of therapy-induced plasticity in melanoma	University of Melbourne	\$728,091.00
2029177	CIA - Assoc Prof Christina Bursill CIB - Prof Gang Zheng CIC - Prof Nicolle Packer	Inhibition of Asialoglycoprotein Receptor 1: a novel strategy for atherosclerosis prevention	The University of Adelaide	\$1,184,728.24
2029183	CIA - Dr Hazel Qian Yin Quek CIB - Assoc Prof Anthony White CIC - Dr Alexandre Cristino	PILRB: A potential mediator of microglia phagocytic failure in Alzheimer's disease.	The Council of the Queensland Institute of Medical Research	\$813,214.80
2029190	CIA - Prof Bamini Gopinath CIB - Assoc Prof Melanie Ferguson CIC - Prof Andrew Georgiou CID - Prof Catherine McMahan CIE - Prof Kerry Sherman CIF - Dr Diana Tang CIG - Dr Liz Gill CIH - Assoc Prof payal mukherjee CII - Emer Prof Peter Wolnizer	HearHealth: a co-designed online support service empowering consumers with hearing loss	Macquarie University	\$660,737.05
2029200	CIA - Assoc Prof Peter Van Wijngaarden CIB - Dr Xavier Hadoux CIC - Assoc Prof Edward N Taylor	Clinical evaluation of novel retinal imaging biomarkers of Alzheimer's disease	Centre for Eye Research Australia Limited	\$887,433.40
2029215	CIA - Assoc Prof David Godler CIB - Prof Merlin Butler CIC - Dr Olivia Veatch	Identifying novel points of prognostic utility and intervention in Prader Willi Syndrome.	Murdoch Children's Research Institute	\$1,268,359.10
2029218	CIA - Dr Hsin-Hui Shen CIB - Prof Richard Strugnell CIC - Dr Xiangfeng Lai	Polysaccharide-targeting nanoantibiotics: A new approach to kill Gram-negative superbugs	Monash University	\$746,398.00



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2029227	CIA - Dr Patricia Illing CIB - Dr Asolina Braun	Non-canonical antigen sources for cross-strain protective influenza immunity	Monash University	\$1,444,449.60
2029240	CIA - Dr Ian Parish	Targeting a novel T cell differentiation state for more effective cancer immunotherapy	University of Melbourne	\$1,422,087.12
2029249	CIA - Prof Jennifer Byrne CIB - Prof Adrian Barnett	Problematic articles and literature reviews in molecular cancer research	University of Sydney	\$442,040.00
2029251	CIA - Prof Rebecca Ritchie CIB - Assoc Prof Barbara Kemp-Harper CIC - Prof Amrita Ahluwalia	Enhancing Cardiovascular cGMP to Target Hypertensive Heart Failure in Females	Monash University	\$1,640,408.18
2029256	CIA - Dr Catarina dos Santos Sa e Almeida	A new approach to investigate how sulfa-drug-like small molecules induce hypersensitivities	University of Melbourne	\$1,061,773.20
2029265	CIA - Prof Mark Blaskovich CIB - Dr Magali Stone	Seeing the Unseen: Imaging Bacterial Infections	The University of Queensland	\$833,782.70
2029268	CIA - Assoc Prof Alec Redwood CIB - Prof Tamir Tuller CIC - Prof Bruce Robinson	Silent mutations; prognostic markers and therapeutic targets	University of Western Australia	\$949,388.35
2029278	CIA - Dr Olivier Clement CIB - Dr Marius Rosier CIC - Dr Elena Denisenko CID - Dr Clara Ortega-de San Luis	Unravelling the epigenomic, transcriptomic, and synaptic regulatory mechanisms governing memory processes to mitigate cognitive decline in aging	University of Western Australia	\$1,129,270.60
2029282	CIA - Dr Lucy Coupland CIB - Prof Anders Aneman CIC - Dr David Rabbolini CID - Assoc Prof Philip Crispin CIE - Dr Scott D'Amours CIF - Assoc Prof Kenny Lawson	Fibrinolysis Resistance in the Critically Ill: Rapid Detection, Characterisation and Treatment Discovery.	University of New South Wales	\$1,019,993.80
2029324	CIA - Prof David Nikolic-Paterson CIB - Dr Frank Ma	Preventing hypoperfusion-induced acute kidney injury.	Monash University	\$960,430.90



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2029330	CIA - Dr Nicholas Eyre CIB - Prof Andrew Abell CIC - Assoc Prof Tim Chataway CID - Dr Pramod Nair	Understanding and exploiting the mechanism of action of a novel dengue virus inhibitor	Flinders University	\$755,276.00
2029331	CIA - Dr Pablo Canete CIB - Dr Yulin Wang	Title: Understanding how regulatory T cells suppress the development of self-reactive B cells	The University of Queensland	\$1,358,984.78
2029332	CIA - Dr Joel Castro Kraftchenko CIB - Prof Patrick Mehlen CIC - Dr Alain Chédotal CID - Assoc Prof Martin Healey	Validation of a novel immunotherapeutic approach to treat chronic pelvic pain in endometriosis	South Australian Health and Medical Research Institute Limited	\$841,760.40
2029334	CIA - Prof Julie McMullen CIB - Dr Yi Ching (Peggy) Chen	New strategies for heart failure and atrial fibrillation by understanding differences between physiological & pathological atrial enlargement, sex differences and organ cross-talk	Baker Heart and Diabetes Institute	\$1,468,123.20
2029343	CIA - Assoc Prof Angela Kelly-Hanku CIB - Dr Janet Gare CIC - Dr Pamela Toliman CID - Ms Jamee Newland CIE - Dr Sujith Kumar Prankumar	Ending AIDS in Papua New Guinea - A novel community-led approach to HIV prevention, testing, treatment and care with key and priority populations	University of New South Wales	\$1,262,214.10
2029349	CIA - Dr Phurpa Wangchuk CIB - Mr Gerald Turpin CIC - Dr Catherine Miller CID - Assoc Prof Graham Radford-Smith CIE - Prof Ted Whitem CIF - Prof Darren Crayn CIG - Assoc Prof Joanne Jamie	Novel plant-derived anti-inflammatory drugs for treating Inflammatory bowel disease	James Cook University	\$1,789,652.00
2029350	CIA - Assoc Prof Antonio Lauto CIB - Assoc Prof Damia Mawad CIC - Assoc Prof David Mahns CID - Dr Gaetano Gargiulo	Wireless stimulator with no impinging electrodes, circuitry and connections for improving nerve regeneration in a crush injury model	Western Sydney University	\$749,157.02



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2029361	CIA - Assoc Prof Tim Silk CIB - Prof Jeffrey Craig CIC - Dr Peter Fransquet CID - Dr Yen Ting Wong	The role of epigenetics in brain developmental trajectories and clinical outcomes in ADHD	Deakin University	\$587,349.20
2029372	CIA - Dr Anne Karine Lagendijk	Validating new druggable pathways for cerebral cavernous malformations	The University of Queensland	\$904,185.20
2029390	CIA - Prof Craig Pennell CIB - Ms Carol Wang CIC - Prof Jon Hyett CID - Prof Stephen Lye CIE - Prof Fabricio da Silva Costa	Precision medicine tools to predict spontaneous preterm birth in early pregnancy	The University of Newcastle	\$1,363,053.70
2029394	CIA - Dr Daniel Brown CIB - Dr Mohsen Asadnia CIC - Dr Christopher Pastras CID - Dr Amir Razmjou Chaharmahali CIE - Prof Giacinta Parish	A Sensor for Diagnostics and Closed-Loop Drug Delivery in the Inner Ear	Curtin University	\$584,941.50
2029395	CIA - Dr Lachlan Jolly	Overcoming Silence in Neurodevelopmental Disorder Gene Diagnosis	The University of Adelaide	\$1,134,812.80
2029399	CIA - Prof Peter Catcheside CIB - Dr Hannah Scott CIC - Dr Phuc Nguyen CID - Dr Gorica Micic CIE - Prof Leon Lack CIF - Dr Nicole Lovato CIG - Dr Amy Reynolds CIH - Prof Robert Adams CII - Ms Barbara Toson CIJ - Dr Ranjay Chakraborty	Personalised daily body-clock tracking and circadian light therapy retiming to improve sleep, performance, health and safety	Flinders University	\$1,335,760.35



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2029405	CIA - Prof Richard Lock CIB - Dr Narges Bayat CIC - Karl-Heinz Friedrich CID - Dr Sara Mohamed	A novel antibody-drug conjugate for the treatment of a high-risk subtype of leukaemia in adults and children	University of New South Wales	\$888,649.68
2029411	CIA - Prof Richard Lock CIB - Dr Charles de Bock CIC - Dr Michelle Henderson CID - Dr Toby Trahair CIE - Dr Virginia Turati CIF - Prof Tariq Enver CIG - Dr Dominik Beck	Molecular Characterisation of Relapse-Initiating Acute Lymphoblastic Leukaemia Cells for Targeted Therapy	University of New South Wales	\$1,657,400.60
2029421	CIA - Assoc Prof Matthew Call CIB - Dr Colin Hockings CIC - Dr Emma Victoria Petley	Optimising CAR-T cell immunotherapy through targeted modulation of signalling pathways	The Walter and Eliza Hall Institute of Medical Research	\$1,962,013.50
2029423	CIA - Assoc Prof Jon Oakhill CIB - Dr Sandra Galic CIC - Dr Jin Billy Li	Precision regulation of AMPK in fatty liver disease	St Vincent's Institute of Medical Research	\$1,161,171.40
2029424	CIA - Prof Michael Beard CIB - Dr Sonja Best CIC - Dr Kylie Van der Hoek	Awakening the genome to understand and combat viral infection	The University of Adelaide	\$874,646.00
2029454	CIA - Dr Wei Tong CIB - Dr Sam John CIC - Prof Michael Ibbotson	Sonogenetic Retinal Prosthesis for Vision Restoration Following Retinal Degeneration	University of Melbourne	\$700,587.00
2029461	CIA - Prof Joanne Dickinson CIB - Dr Sionne Lucas CIC - Dr Ashleigh Philp CID - Dr John Mackintosh CIE - Dr Kelsie Raspin CIF - Dr Lauren Troy CIG - Dr Niles Nelson	Accelerating precision medicine for PF: characterising the high-risk PF genetic landscape	University of Tasmania	\$4,409,340.03



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2029501	CIA - Prof Toby Allen CIB - Prof Crina Nimigean CIC - Prof David Adams	Advancing BK channel pharmacology by targeting novel membrane drug pathways	RMIT University	\$616,654.50
2029527	CIA - Assoc Prof Daniel Carter CIB - Asst Prof Samantha Morris CIC - Assoc Prof Belamy Cheung CID - Dr Sylvia Chung	A one-two punch therapeutic strategy to overcome chemotherapy-induced cell plasticity in neuroblastoma	University of Technology Sydney	\$599,586.32
2029547	CIA - Dr Alison Hogan CIB - Dr Cindy Maurel CIC - Dr Stephanie Rayner	TDP-43 nuclear depletion in MND - potential driver of neurodegeneration and therapeutic target	Macquarie University	\$620,989.60
2029583	CIA - Dr Michael Duffy CIB - Dr ABRAHAM ODURO CIC - Patrick Ansah	Which Plasmodium falciparum virulence antigens elicit immunity associated with protection from severe malaria?	University of Melbourne	\$890,588.00
2029584	CIA - Dr Erin Shanahan CIB - Assoc Prof Umaimainthan Palendira CIC - Assoc Prof Andrew Holmes	Microbe-immune interactions shape immune checkpoint inhibitor immunotherapy outcomes	University of Sydney	\$1,150,613.90
2029600	CIA - Dr Janessa Pickering CIB - Prof Thushan de Silva CIC - Dr Alexander Keeley CID - Assoc Prof Alma Fulurija	Deciphering natural immunity to Strep A to prevent rheumatic heart disease	University of Western Australia	\$881,779.70
2029625	CIA - Dr Conor Kearney CIB - Dr Stephin Vervoort	Discovery and targeting of novel immune checkpoints in cancer	La Trobe University	\$1,212,963.00
2029630	CIA - Prof Laurent Frossard CIB - Dr Christian Langton CIC - Prof Stefanie Feih CID - Prof Wendy Chaboyer CIE - Dr Sharon Latimer CIF - Prof David Lloyd CIG - Prof Rodney Barrett CIH - Dr Claudio Pizzolato CII - Dr Jayishni Maharaj	Next generation of bionic limbs: from innovative assessment of neuromusculoskeletal functions of the residuum, personalized computational modelling to advanced additive manufacturing of prosthetic attachments	Griffith University	\$905,116.00



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2029642	CIA - Prof Stephen Rogerson CIB - Dr Elizabeth Aitken	Antibodies, white blood cells and protection from severe malaria	University of Melbourne	\$1,020,306.20
2029646	CIA - Dr Georgia Deliyannis	Halting transmission of respiratory viral infections using intranasally administered vaccines	University of Melbourne	\$1,279,664.20
2029648	CIA - Assoc Prof Guei-Sheung Liu CIB - Dr Lewis Fry	A vision to prevent vision loss: RNA base editing as a strategy to treat inherited retinal diseases	Centre for Eye Research Australia Limited	\$1,289,706.00
2029653	CIA - Prof Roger CHUNG	Developing novel gene expression control mechanisms for Amyotrophic Lateral Sclerosis gene therapies	Macquarie University	\$794,115.00
2029657	CIA - Prof Judy de Haan CIB - Assoc Prof Maxim Artyomov CIC - Dr Arpeeta Sharma	A novel immunometabolic therapy for Type 2 diabetic cardiomyopathy.	Baker Heart and Diabetes Institute	\$1,374,762.00
2029659	CIA - Prof Carl Feng CIB - Prof Xinchun Chen	Untangling the complexity of granulomas in human mycobacterial diseases	University of Sydney	\$1,027,808.00
2029660	CIA - Prof Peter Leedman CIB - Dr Stephanie Flukes CIC - Ms Rikki Brown CID - Pieter Cullis	A new RNA-based therapeutic for human oral cancer	University of Western Australia	\$1,083,241.20
2029668	CIA - Prof Peter Fuller CIB - Prof Timothy Cole	Molecular and Functional Dissection of Mineralocorticoid Receptor Signalling	Monash University	\$1,232,404.20
2029692	CIA - Assoc Prof Victor Anggono CIB - Miss Xuan Ling Hilary Yong	Unraveling the physiological and disease-enabling functions of Tau protein	The University of Queensland	\$1,010,892.64
2029698	CIA - Assoc Prof Pilar Blancafort CIB - Dr Roberta Mazzieri CIC - Dr Charlene Waryah CID - Assoc Prof Andrew Redfern CIE - Dr Louise Winteringham CIF - Dr Andrew Woo	EPIGENOME ENGINEERING FOR THE THERAPEUTIC REPROGRAMMING OF THE MESENCHYMAL TO EPITHELIAL STATES IN BREAST CANCER	University of Western Australia	\$2,887,936.50



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2029719	CIA - Assoc Prof Mathias Francois CIB - Prof Kiarash Khosrotehrani CIC - Prof Joyce Bischoff CID - Dr Jason Yongsheng Chan	Targeting endothelial trans-differentiation in vascular lesions	University of Sydney	\$1,218,773.00
2029730	CIA - Dr Alessandro Uboldi CIB - Dr Simon Cobbold	The role of ubiquitination in Toxoplasma differentiation into latent forms	The Walter and Eliza Hall Institute of Medical Research	\$611,061.48
2029740	CIA - Prof Lars Ittner CIB - Dr Alexandra Daryl Ariawan CIC - Dr Briardo Llorente	New biological drugs to treat Alzheimer's disease	Macquarie University	\$1,450,494.00
2029741	CIA - Prof Paul Neeson	Exploring the role for CD4+ T cells in CAR-T cell efficacy against solid tumours	University of Melbourne	\$723,059.00
2029752	CIA - Dr Owen Marshall CIB - Prof Michael Stumpf CIC - Dr Eileen Furlong CID - Assoc Prof Jonas Paulsen	Wake up call: deciphering the regulatory networks that reactivate neural stem cells	University of Tasmania	\$1,345,763.80
2029754	CIA - Dr Daniel Hesselson CIB - Dr Kazu Kikuchi CIC - Dr Siiri Iismaa CID - Dr Alexander Cole CIE - Dr Matthew Graus	Enhancing heart repair to treat cardiomyopathies: Directed evolution of human KLF1 to increase cardioregenerative potency	University of Sydney	\$956,358.60
2029756	CIA - Dr Shivashankar Hiriyur Nagaraj CIB - Mrs Tamika Campbell CIC - Prof Henk Jan Guchelaar CID - Ms Rica Lacey CIE - Assoc Prof Rod Lea CIF - Prof Jesse Swen CIG - Mr Reece Griffin CIH - Dr Victoria Coyne CII - Dr Genevieve Gabb	Characterising the pharmacogenomic landscape of chronic disease in Australia's First Peoples	Queensland University of Technology	\$1,771,845.60



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2029770	CIA - Dr Aron Chakera CIB - Dr Kieran Mulrone CIC - Dr Sean Randall CID - Dr Peter Boan CIE - Dr Graham Weaire-Buchanan CIF - Ms Dianne Gardam CIG - Dr Christine Carson CIH - Assoc Prof Christopher Heath	Flow-Assisted Same-Day Testing for Fungal Pathogens and Antimicrobial Susceptibility	University of Western Australia	\$478,988.03
2029785	CIA - Dr Christopher Stanley CIB - Assoc Prof Hergen Buscher CIC - Assoc Prof Priya Nair CID - Dr Yao Wang	Indoleamine 2,3-dioxygenase-1 (IDO1) is a master regulator of severe endothelial dysfunction in sepsis	University of Sydney	\$1,490,699.10
2029800	CIA - Assoc Prof Elaine Sanij CIB - Dr Jian Kang	Reprogramming of mRNA translation as a driver of drug resistance in ovarian cancer	St Vincent's Institute of Medical Research	\$761,355.90
2029808	CIA - Dr Daniel Stjepanovic CIB - Ms Tianze Sun CIC - Dr Phong Thai CID - Dr David Hammond CIE - Dr QIUDA ZHENG CIF - Prof Emmanuel Kuntsche	Monitoring nicotine: Triangulating social media, global survey and wastewater data to inform future vaping and smoking policies	The University of Queensland	\$1,541,037.00
2029809	CIA - Assoc Prof Daniel Thomas CIB - Dr Denis Tvorogov CIC - Assoc Prof Kate Burbury	Defining the Structure-Activity Relationship of a Targetable Neoepitope to Improve Outcomes in CALR+ Myelofibrosis	The University of Adelaide	\$959,509.00
2029811	CIA - Prof Shoudong Huang CIB - Mr Peter Walker CIC - Dr Liang Zhao CID - Prof Joanne Tipper	Development of a Low-Cost Minimally Invasive Robot System for Hip Replacement	University of Technology Sydney	\$654,363.40



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2029854	CIA - Assoc Prof Jakob Begun CIB - Prof Rob Capon CIC - Prof Mark Morrison CID - Dr Fan Zhang CIE - Emer Prof Timothy Florin CIF - Dr Julie Davies CIG - Ms Rabina Giri	Harnessing microbial immunomodulatory function to improve treatment of inflammatory bowel diseases	The University of Queensland	\$1,655,520.20
2029871	CIA - Dr Sicong Tu CIB - Assoc Prof William Huynh CIC - Prof Markus Barth	Defining Metabolite Dysfunction in Amyotrophic Lateral Sclerosis: Developing Objective Scalable Neuro-Markers of Cortical Hyperexcitability	University of Sydney	\$935,864.00
2029873	CIA - Prof Vincent Harley CIB - Prof Eric Vilain	Improving the diagnosis of Differences of Sex Development (DSD)	Monash University	\$1,208,612.40
2029883	CIA - Dr Snezana Maljevic CIB - Dr Melody Li CIC - Dr Cristiana Mattei	Advancing humanised models for the preclinical development of targeted genetic therapies for brain disorders	University of Melbourne	\$1,663,586.00
2029889	CIA - Prof Paul Thomas CIB - Prof Robert Casson CIC - Prof Theodore Wensel	Next-generation gene editing strategies to treat autosomal dominant retinitis pigmentosa	The University of Adelaide	\$922,058.00
2029912	CIA - Dr Fatima Valdes Mora CIB - Dr Yolanda Colino Sanguino CIC - Dr Helen Forgham CID - Asst Prof Sui Wang CIE - Assoc Prof David Gallego Ortega	Leveraging H3K27M vulnerabilities for targeted epigenetic therapy in Diffuse Intrinsic Pontine Glioma	University of New South Wales	\$708,692.00
2029917	CIA - Dr John Lin CIB - Dr Joanna Yau	Multi-wavelength optogenetic manipulation of basolateral neurons and synapses	University of Tasmania	\$906,335.58
2029937	CIA - Prof Daniel Gray CIB - Dr Jarrod Dudakov	Reversing defects in thymic stroma to restore immune function	The Walter and Eliza Hall Institute of Medical Research	\$1,340,128.00
2029993	CIA - Dr Grant Logan CIB - Prof Ian Alexander	Leaving no child behind: enabling universal access to AAV gene therapies by vector bio-engineering to escape pre-existing natural immunity.	University of Sydney	\$1,699,728.20



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2030057	CIA - Prof Kaylene Young CIB - Dr Jessica Fletcher CIC - Dr Nicholas Blackburn	WHAT CAUSES MULTIPLE SCLEROSIS ONSET AND PROGRESSION?	University of Tasmania	\$3,653,278.55
2030071	CIA - Dr Catherine Bondonno CIB - Prof Jon Lundberg CIC - Prof Anne Tjønneland CID - Prof Kevin Croft CIE - Dr Cecilie Kyrø CIF - Dr Nicola Bondonno	The nitrate debate: does dietary source determine health impact?	Edith Cowan University	\$679,504.56
2030086	CIA - Assoc Prof Kate Gartlan CIB - Miss Lee Jones CIC - Assoc Prof Glen Kennedy	Targeting cytotoxic T cell fates in bone marrow/stem cell transplantation	The Council of the Queensland Institute of Medical Research	\$1,085,795.15
2030089	CIA - Dr Mark Larance CIB - Dr Freda Passam	Discovery of a New Modification in the Platelet Proteome	University of Sydney	\$747,057.00
2030097	CIA - Prof Bradley Turner CIB - Dr Sophia Luikinga	Therapeutic targeting of ferroptotic motor neuron death in ALS	University of Melbourne	\$983,704.00
2030112	CIA - Dr Dwan Vilcins CIB - Prof Stephania Cormier CIC - Dr Xianyu Wang CID - Prof Javaan Chahl CIE - Dr Nina Lazarevic CIF - Dr Brian Gullett	Providing evidence to guide public health messages during bushfire smoke events	The University of Queensland	\$1,270,101.40
2030115	CIA - Assoc Prof Wayne Crismani CIB - Dr Michael Sharp CIC - Dr Eunike Velleuer CID - Adam Nelson	Next generation diagnostics and quality of life in chronic conditions; using Fanconi anaemia as a model disease	St Vincent's Institute of Medical Research	\$797,705.40
2030126	CIA - Prof Gregory Anderson CIB - Prof Christopher Vulpe CIC - Dr Brie Fuqua	An unexpected role for the iron oxidase hephaestin suggests novel therapies for iron loading disorders.	The Council of the Queensland Institute of Medical Research	\$846,993.32



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2030151	CIA - Prof Phillip Robinson CIB - Prof Adam McCluskey	Endocytosis modulation as a novel approach for pain therapeutics	Children's Medical Research Institute	\$1,444,544.00
2030157	CIA - Prof Peter Nestor CIB - Prof Feng Liu CIC - Dr Hongfu Sun CID - Dr Amir Fazlollahi	Disambiguating Parkinson's disease from disorders with mimicking symptoms using ultra-high-field (7 Tesla) multi-modal MRI	The University of Queensland	\$611,098.40
2030162	CIA - Dr Hui-Fern Koay CIB - Dr Kevin Sek	Harnessing MAIT cells as the next frontier of solid tumour immunotherapy	University of Melbourne	\$970,618.60
2030175	CIA - Dr Claudia Bruedigam	Targeting Lipid Droplet Homeostasis to Develop Therapies for Acute Myeloid Leukaemia	The Council of the Queensland Institute of Medical Research	\$960,574.60
2030186	CIA - Assoc Prof Daniel Pellicci CIB - Prof Stuart Berzins	Characterisation and Development of Human Gamma Delta T cells	Murdoch Children's Research Institute	\$984,055.00
2030216	CIA - Assoc Prof Sarah Cohen-Woods CIB - Dr Karina Allen CIC - Prof Jeffrey Craig CID - Assoc Prof Katrina Scurrah CIE - Dr Natalie Goulter CIF - Dr Alicia Fairweather	Targeting outcomes of adolescent disordered eating: identifying and integrating novel molecular and biopsychosocial risk models	Flinders University	\$624,126.00
2030225	CIA - Dr Rodrigo Suarez CIB - Dr Annalisa Paolino CIC - Dr Peter Kozulin CID - Dr Dylan Black	How do developmental imbalances of neural activity lead to autism spectrum disorder?	The University of Queensland	\$1,237,870.20
2030242	CIA - Dr Jiang Zhu	Enhancing immunotherapy efficacy by dual targeting of TGF- β and 4-1BB	University of Melbourne	\$642,075.60
2030247	CIA - Assoc Prof Fiona Brownfoot CIB - Prof Marimuthu Palaniswami CIC - Dr Abu Ul Hassan Sarwar Rana	A novel device to detect fetal asphyxia in labour	University of Melbourne	\$744,019.70



App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget
2030268	CIA - Dr Troy Cross CIB - Assoc Prof Carolyn Broderick CIC - Assoc Prof Agisilaos Kourmatzis CID - Dr Hayley Lewthwaite CIE - Prof Gregory King	Extreme Heat and Bushfire Smoke: Establishing Evidence-Based Acute PM2.5 Thresholds	University of Sydney	\$942,060.90
2030291	CIA - Assoc Prof Shireen Lamande CIB - Prof John Bateman	Rebalancing the proteostasis network with small molecule therapeutics to treat genetic skeletal diseases	Murdoch Children's Research Institute	\$1,191,171.20
2030303	CIA - Dr Jennifer Li CIB - Prof Philip O'Connell CIC - Dr Brian Nankivell CID - Dr Meena Shingde CIE - Ms Arti Raghubar CIF - Dr Ankit Sharma	Precision medicine advancing renal transplantation	University of Sydney	\$902,453.50
2030320	CIA - Assoc Prof Morag Young CIB - Assoc Prof Greg Tesch	New Mineralocorticoid Receptor Pathways for Regulating Cardiac Fibrosis.	Baker Heart and Diabetes Institute	\$587,294.80
2030321	CIA - Dr Charles Herring CIB - Dr Trung Nguyen	Investigating human brain development and neurodevelopmental disease origins through comprehensive (epi)genomic analysis	University of Western Australia	\$887,020.50
2030328	CIA - Prof Beng Chong CIB - Dr Halina Leung CIC - Prof Andreas Greinacher CID - Dr Shiyang Zheng	Immuno-thromboses that kill and maim: Pathogenesis and novel treatments	University of New South Wales	\$1,076,138.48
2030338	CIA - Prof Lachlan Thompson CIB - Prof Deniz Kirik	A better cell therapy for Parkinson's disease.	University of Sydney	\$1,116,114.00
2030340	CIA - Dr Sophie Wiszniak CIB - Assoc Prof Quenten Schwarz	Neural crest cells as modulators of Wnt signalling in heart development and congenital cardiac outflow tract defects	University of South Australia	\$724,147.00
2030395	CIA - Assoc Prof Jess Nithianantharajah	Neural underpinnings of maladaptive decision making in mental disorders	University of Melbourne	\$988,131.80



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2030422	CIA - Dr Anne Fletcher CIB - Dr Simon Wilkins	COX2-driven T cell suppression in the colorectal cancer microenvironment	Monash University	\$1,350,991.30
2030445	CIA - Dr Brad Broughton CIB - Prof John Forsythe CIC - Dr Ketav Kulkarni CID - Ms Adriana Knezic	Novel bioengineering solution for improving post-stroke outcomes	Monash University	\$1,102,304.40
2030452	CIA - Dr Jay Bertran-Gonzalez CIB - Dr Miriam Matamales	Tuning neural circuits to suppress resurgence of unwanted behaviour	University of New South Wales	\$652,756.00
2030460	CIA - Dr Liviu-Gabriel Bodea	Targetting the microglial integrated stress response to fight off Alzheimer's disease	The University of Queensland	\$782,557.58
2030464	CIA - Prof Ewa Goldys CIB - Dr Fei Deng CIC - Dr Yi Li CID - Dr Maya Kansara CIE - Dr Frank Lin	Low cost biosensors for liquid biopsies: towards practical implementation of precision oncology Low cost biosensors for liquid biopsies: towards practical implementation of precision oncology	University of New South Wales	\$1,144,607.20
2030499	CIA - Prof Michael Kassiou CIB - Dr Eryn Werry CIC - Dr Pannilage Perera	Developing Senolytics for treatment of Amyotrophic Lateral Sclerosis	University of Sydney	\$1,037,875.00
2030525	CIA - Dr Kate Vandyke CIB - Dr Duncan Hewett	Combining functional in vivo genomics and metabolomics to discover clinically relevant tumour vulnerabilities in multiple myeloma	The University of Adelaide	\$1,494,105.00
2030541	CIA - Dr Guillermo Gomez CIB - Dr Nirmal Robinson CIC - Dr Briony Gliddon CID - Dr Tessa Gargett CIE - Dr Ashwini Patil	Harnessing an unexpected new role of the CD47:SIRPA axis to target glioblastoma invasion	University of South Australia	\$2,118,719.30
2030552	CIA - Assoc Prof Grant Dewson CIB - Dr Tahnee Saunders CIC - Dr Longfei Wang	Restraining mitochondrial damage-induced inflammation in Parkinson's Disease	The Walter and Eliza Hall Institute of Medical Research	\$882,018.50



App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget
2030559	CIA - Assoc Prof Melinda Coughlan	Understanding the metabolic landscape in the human kidney in diabetes	Monash University	\$916,004.80
2030585	CIA - Prof Alicia Jenkins CIB - Prof Kim Donaghue CIC - Prof Peter Colman CID - Prof Timothy Davis CIE - Assoc Prof Laima Brazionis CIF - Prof Russell Scott CIG - Prof Jian-Xing Ma CIH - Prof Ronald Ma CII - Assoc Prof Neale Cohen CIJ - Prof Tunde Peto	Markers and mediators of retinopathy and response to fenofibrate in people with Type 1 diabetes	Baker Heart and Diabetes Institute	\$866,385.45
2030603	CIA - Dr Graeme Lancaster	Greasy Death - Determining the Physiological Importance and Therapeutic Potential of Altering the Susceptibility to Ferroptotic Cell Death	Baker Heart and Diabetes Institute	\$711,678.00
			Total	\$268,386,591.09