



Ideas Grant Applications Recommended for Funding Commencing in 2025

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 2024 Ideas Grants funding round (for funding commencing in 2025) opened on 20 March 2024. The round closed on 15 May 2024 with 2261 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
2036380	CIA - Prof Sylvia Gustin CIB - Assoc Prof Andrew Brodie CIC - Prof James Middleton CID - Prof Ashley Craig CIE - Assoc Prof Zina Trost	FEELING AGAIN AFTER PARALYSIS: Combining Haptic Virtual Reality and Spinal Cord Neuromodulation to Restore Touch Perception in Complete Paraplegia	University of New South Wales	\$2,154,226.50
2036384	CIA - Dr Brian Sengstock CIB - Dr Sonja Maria CIC - Assoc Prof Pauletta Irwin CID - Dr Peter Micalos CIE - Dr Catherine Keniry CIF - Prof Kerrynt Butler-Henderson CIG - Assoc Prof Samantha Jakimowicz	Young men who have sex with men: Improving access to HIV Pre-exposure prophylaxis in an identified high-risk group	Charles Sturt University	\$1,250,631.40
2036439	CIA - Assoc Prof Susan O'Brian CIB - Assoc Prof Robyn Lowe CIC - Assoc Prof Mark Jones	Controlling stuttering without anxiety: Proof of concept for a new method	University of Technology Sydney	\$429,725.49
2036460	CIA - Dr Sohel Julovi CIB - Dr Daniel Meijles CIC - Dr Cynthia St. Hilaire CID - Dr David Bo LU CIE - Miss Weizhen Li	Heartfelt disharmony: Investigating a Novel Pathway Driving Cardioresrenal Syndrome	University of Sydney	\$1,054,097.50
2036469	CIA - Dr Annette LIM CIB - Assoc Prof Fernando Rossello CIC - Dr Angela Pizzolla	Defining immunotherapy response and resistance mechanisms in cutaneous squamous cell carcinoma.	University of Melbourne	\$1,708,829.50
2036470	CIA - Dr Lisa Nicholas CIB - Prof Joshua Brickman	Revealing the yolk sac as an essential source of insulin for fetal development.	The University of Adelaide	\$952,936.89



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2036477	CIA - Prof Antje Blumenthal CIB - Prof Guillermo Bazan CIC - Dr Kaixi Zhang CID - Mrs Susanne Homolka CIE - Prof Thomas Gutschmann	Preclinical validation of anti-tubercular conjugated oligoelectrolytes	The University of Queensland	\$974,327.80
2036514	CIA - Assoc Prof Kylie Gorringe	Lineage tracing to identify ovarian cancer cells of origin	University of Melbourne	\$747,934.60
2036521	CIA - Dr Luke Garratt CIB - Dr Yit Heng Chooi CIC - Dr Gavin Flematti CID - Assoc Prof Christopher Heath CIE - Mr Joshua Iszatt CIF - Dr Mitali Sarkar-Tyson	Decoding Host Invasion: Mapping Secondary Metabolite Weaponry of Antifungal-Resistant <i>Scenedosporium</i> and <i>Lomentospora</i>	University of Western Australia	\$1,236,000.60
2036526	CIA - Prof Elizabeth Gardiner CIB - Dr James Hearn CIC - Dr Amandeep Kaur CID - Assoc Prof Robert Andrews	Unlocking the molecular controls of haematopoiesis	Australian National University	\$1,574,329.60
2036533	CIA - Dr Daniel Rawle CIB - Prof Gisa Gerold CIC - Dr Deepani Fernando CID - Prof Gorben Pijlman CIE - Dr Cameron Bishop CIF - Prof Andreas Suhrbier CIG - Dr Wilson Nguyen	Virus restriction-guided drug target discovery for chikungunya virus	The Council of the Queensland Institute of Medical Research	\$1,041,471.50



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2036550	CIA - Assoc Prof Peter Speck CIB - Assoc Prof Melanie MacGregor CIC - Dr Alex Karatassas CID - Assoc Prof Indran Hensman CIE - Dr Anita Jacombs CIF - Assoc Prof Billingsley Kaambwa CIG - Dr Morgyn Warner CIH - Prof Sarah Harmer	PhageMesh: using phages to make surgical mesh resist infection.	Flinders University	\$1,425,106.90
2036565	CIA - Dr Charles Cox CIB - Dr Vaibhao Janbandhu	Fibroblast PIEZO1/2 channels as biomechanical drivers of cardiac remodelling	University of New South Wales	\$1,510,654.26
2036566	CIA - Dr Gavin Chapman CIB - Dr Dimuthu Alankarage	Protein methylation and R-loop resolution - a new mechanism disrupting heart development	University of New South Wales	\$1,548,491.74
2036628	CIA - Prof Jean-Pierre Levesque CIB - Dr Kylie Alexander CIC - Prof Sebastien BANZET CID - Miss Marjorie SALGA	Mechanisms and first prophylactic treatments of neurogenic heterotopic ossifications	The University of Queensland	\$1,282,970.32
2036636	CIA - Dr David Sharkey CIB - Dr John Schjenken	Sperm - a novel role in human reproduction beyond fertilisation	The University of Adelaide	\$1,781,257.80
2036689	CIA - Prof Kylie Lee CIB - Assoc Prof Scott Wilson CIC - Ms Nicole Hewlett CID - Dr James Conigrave CIE - Dr Teagan Weatherall CIF - Dr Monika Dzidowska CIG - Ms Karen Glover CIH - Dr Natasha Reid CII - Prof Kirsten Black CIJ - Dr Marguerite Tracy	'BubSafe': Co-creating Australia's first integrated digital health tool to prevent alcohol use during pregnancy among Aboriginal and Torres Strait Islander peoples	La Trobe University	\$3,959,975.62



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2036703	CIA - Dr Jacqui McGovern CIB - Prof Boris Holzapfel CIC - Dr Siamak Saifzadeh CID - Prof Tomoji Mashimo CIE - Dr Ferdinand Wagner CIF - Dr Amaia Cipitria	Developing alternative treatment options for osteosarcoma	Queensland University of Technology	\$1,230,925.40
2036759	CIA - Assoc Prof Heather Thorne CIB - Prof Charles Swanton CIC - Dr Aimee Davidson CID - Dr James Dowty CIE - Dr Siddhartha Deb CIF - Ms Courtney van Geelen	Revealing the remaining genetic cause of breast and ovarian cancer in multi-case families. What we are missing matters	University of Melbourne	\$1,337,752.00
2036762	CIA - Prof Martin Stone CIB - Dr Remy Robert	Suppression of Treg Recruitment in Cancer Immunotherapy: Tick Evasins as Chemokine-targeted Therapeutics	Monash University	\$1,057,950.00
2036772	CIA - Prof Sarah Vreugde CIB - Prof Alkis Psaltis CIC - Assoc Prof Jafri Kuthubutheen CID - Prof Christopher Perry CIE - Assoc Prof Keith Shearwin CIF - Dr Sandra Porteous Morales	A novel precision medicine approach for chronic suppurative otitis media	The University of Adelaide	\$1,993,782.80
2036793	CIA - Dr Elena Schneider CIB - Dr Mark Habgood CIC - Prof Peter Middleton	Exposure to Cystic Fibrosis Modulators During Pregnancy to Mitigate Pathology Development in Offspring.	University of Melbourne	\$1,684,088.71
2036797	CIA - Prof Gerhard Schenk CIB - Dr Yosephine Gumulya CIC - Prof Mikael Boden CID - Dr Rochelle Soo CIE - Dr Paul Evans CIF - Prof Christopher Schofield	Learning from the past to design drugs for the future	The University of Queensland	\$1,184,886.00



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2036798	CIA - Prof Jillian Carr CIB - Prof Kim Hemsley CIC - Dr Dusan Matusica CID - Assoc Prof Frances Corrigan	Defining interactions of complement to uncover pan-therapeutic targets for diverse neuroinflammatory disorders	Flinders University	\$1,323,095.00
2036811	CIA - Prof Christopher McDevitt CIB - Prof Megan Maher CIC - Assoc Prof Jeffrey Harmer CID - Dr Evelyne Deplazes	Harnessing structural insights into bacterial zinc efflux for new therapeutics	University of Melbourne	\$1,297,682.00
2036815	CIA - Dr Joanna Yau CIB - Dr Justine Fam	Learned safety: Novel brain mechanisms of fear inhibition	University of New South Wales	\$1,131,279.97
2036819	CIA - Assoc Prof Puya Gharahkhani CIB - Dr Maciej Trzaskowski	Revolutionising disease gene discovery and risk prediction for glaucoma: an AI-driven approach utilising eye imaging and omics data	The Council of the Queensland Institute of Medical Research	\$881,861.60
2036826	CIA - Prof Matthew Watt CIB - Dr Gio Fidelito CIC - Dr Paul Burton	Elastin microfibril interfacier 1: a new target for MASH-associated hepatic fibrosis	University of Melbourne	\$1,392,838.80
2036837	CIA - Dr Amy Winship CIB - Dr Wanyuan Cui CIC - Assoc Prof Catharyn Stern CID - Dr Genia Rozen	Protecting fertility, healthy pregnancy and long-term endocrine function for cancer survivors after immunotherapy	Monash University	\$1,414,313.00
2036844	CIA - Dr Jean Berthelet CIB - Dr Belinda Yeo CIC - Dr Michael Roach	Profiling breast cancer clones to predict brain metastases and enhance treatment strategies.	La Trobe University	\$794,866.60
2036849	CIA - Assoc Prof Tracy O'Mara CIB - Assoc Prof Dylan Glubb CIC - Dr Nathan Ingold CID - Dr Serena Gallozzi	Harnessing Genetic Insights to Target Obesity-Driven Endometrial Cancer	The Council of the Queensland Institute of Medical Research	\$918,212.20



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2036864	CIA - Assoc Prof Andrew Ellisdon	Enhancing mTORC1 therapeutic discovery with machine learning-driven structural biology	Monash University	\$1,352,546.50
2036883	CIA - Assoc Prof Justin Boddey CIB - Dr Yu Cheng Chua CIC - Dr David Olsen	Long-acting antimalarials for malaria chemovaccination	The Walter and Eliza Hall Institute of Medical Research	\$1,841,322.40
2036891	CIA - Dr Marcia Munoz CIB - Dr Isabelle Melki	A cure for inflammatory bowel disease in mevalonate kinase deficiency	University of New South Wales	\$1,035,771.00
2036909	CIA - Prof Barbara Mintzes CIB - Dr Lisa Parker CIC - Dr Anthony Brown CID - Dr Cinzia Colombo CIE - Dr Jason Chin CIF - Dr Kellia Chiu CIG - Ms Judith Mackson CIH - Emer Prof Joel Lexchin	A stronger voice for Australian patients and health consumers: toolkit for independence	University of Sydney	\$1,846,156.00
2036936	CIA - Prof Waldemar Vollmer CIB - Prof Rob Capon CIC - Dr Zeinab Khalil	Novel antibacterials from nature targeting the bacterial cell envelope	The University of Queensland	\$1,463,245.00
2036941	CIA - Assoc Prof Melissa Call CIB - Dr Ashleigh Davey	Improving CAR T-cell immunotherapies through balanced CD4/CD8 signalling programs	The Walter and Eliza Hall Institute of Medical Research	\$1,879,335.50
2036946	CIA - Prof Alpha Yap CIB - Dr Kinga Duszyc	Epithelial Surveillance against apoptosis: a novel neighbourhood watch for homeostasis.	The University of Queensland	\$1,545,250.00



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2036955	CIA - Prof Simon Moulton CIB - Prof Paul Stoddart CIC - Dr Blanca del Rosal Rabes CID - Dr Kwong Ming Tse CIE - Prof Gavin Lambert	Targeted carotid body ablation for treatment of resistant hypertension	Swinburne University of Technology	\$1,399,989.20
2036958	CIA - Dr Chandana Herath CIB - Prof Peter Angus CIC - Prof Qin Li CID - Prof Vijayaragavan Muralidharan	Novel liver-targeted therapy in liver cancer	University of Melbourne	\$1,386,870.00
2036982	CIA - Prof Nigel Turner CIB - Prof Jonathan Morris CIC - Dr Sarah Hancock CID - Dr Shane Ellis	Novel agents targeting sphingolipid metabolism as treatments for diabetes and obesity	University of New South Wales	\$793,935.80
2037005	CIA - Dr Tara Walker CIB - Prof Thierry Burnouf	Combatting Alzheimer's disease with platelet-derived bioactive molecules	The University of Queensland	\$707,726.00
2037040	CIA - Dr Thanh Nho Do CIB - Dr Hoang-Phuong Phan CIC - Prof Nigel Lovell CID - Prof Phil Crowe CIE - Prof Yusuke Yamauchi CIF - Assoc Prof Beena Ahmed CIG - Dr Mostafa Kamal Masud	Early Detection and Treatment of Epithelial Carcinomas with a Micro-Endoscopic Soft Robot	University of New South Wales	\$1,098,600.80



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2037049	CIA - Assoc Prof Federica Barzi CIB - Dr Elizabeth Barr CIC - Ms Letitia Campbell CID - Miss Caitlin Garbin CIE - Mr Gavin Brown CIF - Mr Christopher Sexton CIG - Dr Victor Oguoma CIH - Dr Matthew Hare CII - Dr Tahmina Begum	The Cardiovascular Risk assessment equations for Aboriginal and Torres Strait Islander peoples (CARAT) Study	The University of Queensland	\$1,259,391.60
2037073	CIA - Assoc Prof Fatemeh Vafaei CIB - Dr Shafagh Waters CIC - Dr Xin Ying Lim CID - Dr Muhammad Imran Razzak	Game-Changer in Early Breast Cancer Detection: AI-Powered Multi-Analyte Blood Test	University of New South Wales	\$1,325,505.80
2037102	CIA - Prof Kirrie Ballard CIB - Dr Tuende Szalay CIC - Assoc Prof Michael Proctor CID - Dr Amelia Gully CIE - Ms Sheryl Foster CIF - Assoc Prof Rebekah Ahmed	As we speak: Unmasking speech changes earlier in the course of disease	University of Sydney	\$909,646.00
2037105	CIA - Dr Julie Tellier CIB - Asst Prof Miguel Reina-Campos	Uncovering the interactions between tissue-resident plasma cells and their microenvironment	The Walter and Eliza Hall Institute of Medical Research	\$1,250,588.24
2037106	CIA - Assoc Prof Ling Yin CIB - Assoc Prof James Dudley CIC - Prof Andrei Kotooussov CID - Dr Aditya Khanna CIE - Assoc Prof Egon Perilli CIF - Dr Sophie Rapagna	Adding bite to tooth-mimicking aesthetic multilayer zirconia crowns with emerging digital manufacturing and fracture mechanics techniques	The University of Adelaide	\$828,248.00



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2037108	CIA - Assoc Prof Erica Sloan CIB - Dr Aeson Chang CIC - Dr Nicole Scheff	Targeting sensory neurons as a novel treatment for metastatic triple negative breast cancer	Monash University	\$1,606,948.76
2037119	CIA - Prof Wojciech Chrzanowski CIB - Lauren Fairley CIC - Dr Elinor Hortle CID - Prof Reinoud Gosens	Mitochondrial transplantation as a next-generation therapeutic for COPD	University of Sydney	\$885,247.10
2037124	CIA - Dr Magdalene Montgomery CIB - Dr Li Dong CIC - Dr Julie Nigro	Targeting Chromosome 1 open reading frame 35 (C1orf35) for the treatment of advanced metabolic liver disease	University of Melbourne	\$1,244,836.00
2037126	CIA - Dr Yih-Chih Chan CIB - Dr Clare Gould CIC - Prof Constantine Tam	Investigating novel determinants of response to CAR T-cell therapy for large B-cell lymphoma	University of Melbourne	\$935,269.20
2037135	CIA - Assoc Prof Daniel Gough CIB - Assoc Prof Ashley Mansell CIC - Dr Surein Arulananda	Rewiring the innate immune response to improve lung adenocarcinoma treatment.	Monash University	\$1,504,295.00
2037149	CIA - Assoc Prof Ashley Mansell CIB - Dr Cristina Giogha	The role and therapeutic potential of targeting the NLRP1 inflammasome in mucosal immunity	Monash University	\$988,737.20
2037168	CIA - Assoc Prof Garron Dodd CIB - Ms Cait Beddows CIC - Dr Edward Moh CID - Prof Jens Brüning	Turbocharging Treatments for Type-2 Diabetes	University of Melbourne	\$1,862,533.80
2037172	CIA - Prof Naotsugu Tsuchiya CIB - Dr Ben Fulcher CIC - Dr Daisuke Shimaoka CID - Assoc Prof Nicholas Price CIE - Ms Annie Bryant	Brain signature of loss-of-consciousness across species	Monash University	\$1,111,302.20



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2037181	CIA - Assoc Prof Andrew Cox	Identification of novel regulators in cancer-associated cachexia	University of Melbourne	\$1,087,412.50
2037188	CIA - Prof Dena Lyras CIB - Dr Steven Mileto	Determining host and pathogen adaptations during repair from C. difficile infection	Monash University	\$1,778,338.75
2037189	CIA - Prof Dena Lyras CIB - Dr Steven Mileto CIC - Dr Emma Bishop	Investigating gut dysmotility induced by Clostridioides difficile infection	Monash University	\$1,501,643.94
2037191	CIA - Dr Bart Eijkelkamp CIB - Assoc Prof Amy Cain CIC - Assoc Prof Fleur Ponton	The central role of lipids in bacterial pathogenesis	Flinders University	\$828,295.60
2037205	CIA - Dr Sam Manna CIB - Assoc Prof Catherine Satzke CIC - Assoc Prof Odilia Wijburg CID - Dr Laura Boelsen	Solving long-standing mysteries in pneumococcal carriage and disease	Murdoch Children's Research Institute	\$1,283,551.70
2037218	CIA - Prof Andrew Forbes CIB - Dr James Wason CIC - Asst Prof Fan Li CID - Prof Karla Hemming CIE - Dr Elizabeth Ryan	Advancing cluster randomised trials to the next generation: Development of multi-domain platform cluster trial designs and machine learning methods for estimating personalised treatment effects	Monash University	\$896,433.90
2037246	CIA - Prof Norman Morris CIB - Prof Bruce Johnson CIC - Prof Julien Periard CID - Prof David Pyne CIE - Assoc Prof Surendran Sabapathy CIF - Dr Julie Adsett CIG - Prof Jonathan Chan CIH - Prof Rohan Jayasinghe	High and Hot: Using environmental extremes to improve oxygen transport in heart failure	Griffith University	\$1,705,993.00

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2037259	CIA - Dr Shannon Hedtke CIB - Prof Kathryn Glass CIC - Helen Mayfield CID - Dr Angus McLure CIE - Dr Myra Hardy CIF - Mr Josaia Samuela CIG - Prof Satupaitea Viali	New tools to accelerate elimination of the preventable parasite disease lymphatic filariasis	La Trobe University	\$1,000,690.40
2037271	CIA - Dr Maximilien Evrard	Harnessing tissue-resident memory T cell immunity in gastrointestinal diseases	University of Melbourne	\$970,628.00
2037284	CIA - Prof Michael Samuel CIB - Prof Craig Priest CIC - Dr Sarah Boyle CID - Assoc Prof Marta Krasowska	Defining the causal relationships between the tumour ECM and cancer outcomes	University of South Australia	\$851,789.60
2037289	CIA - Prof Levon Khachigian CIB - Prof Ravinay Bhindi	Novel Self-Nano-Emulsifying Drug Delivery System for Post-Reperfusion Cardioprotection	University of New South Wales	\$1,087,514.60
2037298	CIA - Dr Weerachai Jaratlerdsiri	Towards New Reference-free Cancer Genome Analysis for Better Addressing Racial Disparities	University of Sydney	\$236,744.45
2037311	CIA - Dr Justin Wong CIB - Assoc Prof Yvonne Tay CIC - Dr Gavin Sutton	Linking altered RNA modification in untranslated regions to cancer pathogenesis	University of Sydney	\$1,029,321.00
2037339	CIA - Dr Michelle Fitts CIB - Ms Jennifer Cullen CIC - Prof Karen Soldatic CID - Dr Peter Wirth CIE - Prof Alice Theadom CIF - Miss Elaine Wills CIG - Assoc Prof Kylie Dingwall	Head Health and Healing - Empowering Indigenous women and the healthcare workforce to respond to violence-related concussion through co-designed education and training	Menzies School of Health Research	\$2,191,658.50



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2037375	CIA - Dr Conan Wang CIB - Dr Yen-Hua Crystal Huang	Disruptive Technologies for Targeting Tyrosine Kinase Substrate Sites	The University of Queensland	\$959,774.60
2037382	CIA - Prof Simon McMullan CIB - Prof Julian Paton CIC - Dr Bowen Dempsey CID - Dr Mariana Del Rosso de Melo CIE - Dr Phill Bokinieć	Ribbon Cable Connectivity of the Carotid Body: Insights for Selective Targeting in Disease	Macquarie University	\$1,334,618.49
2037397	CIA - Prof Jeffrey Holst CIB - Dr Kanu Wahí CIC - Prof Morteza Aghmesheh CID - Prof Phil Crowe	Personalising neoadjuvant therapy for early-stage, high-risk triple-negative breast cancer	University of New South Wales	\$1,421,151.20
2037416	CIA - Dr Mitchell Lawrence CIB - Assoc Prof Luke Selth CIC - Dr Megan Crumbaker CID - Prof Anthony Joshua CIE - Prof Samuel Denmeade	Early Bipolar Androgen Therapy for Advanced Prostate Cancer	Monash University	\$1,664,813.30
2037421	CIA - Prof Elizabeth Hartland CIB - Dr Cristina Giogha CIC - Dr Kathleen McCaffrey CID - Dr Garrett Ng CIE - Dr Rachelia Raissa Wibawa	Cell stress and cell intrinsic immune responses to intracellular bacteria	Monash University	\$1,510,076.00
2037449	CIA - Prof M. Akhter Hossain CIB - Prof Ross Bathgate CIC - Dr Ruslan Pustovit CID - Dr Karl Johan Rosengren CIE - Dr Chaitra Chandrashekar	Targeting the G protein-coupled peptide receptor RXFP4 to treat constipation	University of Melbourne	\$1,081,026.50



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2037451	CIA - Dr Ruth Thornton CIB - Assoc Prof Lea-Ann Kirkham CIC - Dr Timothy Hughes CID - Prof Peter Richmond CIE - Dr Sharon Clark	Blitz-OM: A single-dose anti-biofilm gel to effectively treat recurrent and chronic otitis media	University of Western Australia	\$1,397,116.10
2037493	CIA - Prof Barry Slobedman CIB - Assoc Prof Emily Blyth	Improving Outcomes for Stem Cell Transplant Recipients: Pioneering Biomarkers in Human Cytomegalovirus Infection	University of Sydney	\$1,564,754.40
2037496	CIA - Assoc Prof Stephen Bell CIB - Ms Rana Zahroh CIC - Dr Elissa Kennedy CID - Prof Siswanto Wilopo CIE - Prof Linda Bennett CIF - Dr Marie Habito CIG - Dr Tharindu Wickramaarachchi CIH - Dr Elke Mitchell	Transdisciplinary co-design of adolescent-responsive contraceptive care solutions to reduce unintended pregnancy and unsafe abortion in Indonesia	Burnet Institute	\$1,876,707.34
2037497	CIA - Assoc Prof Xiaowei Wang CIB - Prof Ulrich Floegel	Innovative tri-functional and tri-spectral imaging of cardiovascular diseases: A targeted 19-fluorine molecular magnetic resonance imaging approach	Baker Heart and Diabetes Institute	\$1,565,765.73
2037499	CIA - Dr Renjing Liu CIB - Dr Charles Cox CIC - Prof Richmond Jeremy	Modulating Piezo1 channels in vascular smooth muscle cells to treat aortic aneurysms	University of New South Wales	\$1,297,500.00
2037527	CIA - Dr Hayley Bullen CIB - Dr Charles Narh CIC - Dr Carlo Giannangelo	Predicting the impact of antimalarial resistance in West African parasites	Burnet Institute	\$1,316,558.30



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2037548	CIA - Dr Rebecca Chisholm CIB - Prof Michael Marks CIC - Dr Patricia Campbell CID - Dr Ouli Xie	Optimising targeted investigations of Group A Streptococcus transmission dynamics and intervention assessment in disease endemic settings	La Trobe University	\$1,236,311.60
2037597	CIA - Dr Chen Li CIB - Dr Kirti Pandey CIC - Assoc Prof Andrew Haydon	Unveiling the immunogenicity of the dark immunopeptidome of melanoma	Monash University	\$862,774.00
2037604	CIA - Prof Tania de Koning-Ward CIB - Dr Matthew Dixon CIC - Prof Georges Grau	Biogenesis of extracellular vesicles from Plasmodium-infected RBC and impact on pathogenesis, parasite communication and transmission	Deakin University	\$838,138.00
2037605	CIA - Prof Christopher Sobey CIB - Dr Michael De Silva CIC - Dr Anh Thi Ngoc Nguyen CID - Dr Hyun Ah Kim	Post-menopausal hypertension: targeting the G protein-coupled estrogen receptor to prevent cognitive impairment	La Trobe University	\$2,103,948.90
2037610	CIA - Prof Stephen Turner CIB - Prof Colby Zaph	Investigating IRF1 as a Pioneering Factor in Shaping Optimal T Cell Immunity	Monash University	\$1,017,252.00
2037640	CIA - Prof Christoph Hagemeyer CIB - Prof Gary Rosengarten CIC - Emer Prof Zaverio Ruggeri CID - Dr Josie Carberry CIE - Dr Be'eri Niego	A first-in-class anti-thrombotic therapy targeting blood flow activated von Willebrand Factor	Monash University	\$1,116,640.00
2037653	CIA - Prof Jason Mackenzie CIB - Prof Peter White CIC - Dr Alice McSweeney	Host factors contributing to norovirus replication and transmission	University of Melbourne	\$807,335.00



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2037657	CIA - Assoc Prof Antoine de Weck CIB - Prof Ian Street CIC - Dr Keith Sia CID - Dr Patrick Connerty CIE - Dr Shi Yan Lee CIF - Dr Pragya Gupta	The Druggable Transcriptome: Small Molecules Inducing Reading Frame Shifts (SMIRFS)	University of New South Wales	\$1,313,680.90
2037665	CIA - Dr Sacha Pidot CIB - Dr Jean Lee	Building better bacteriophage to target intractable mycobacterial infections	University of Melbourne	\$951,724.00
2037670	CIA - Assoc Prof Olga Martin CIB - Prof Valentin Djonov CIC - Dr Moeava Tehei CID - Assoc Prof David Kok CIE - Dr Stewart Ryan CIF - Dr Elette Engels	Boosting conventional radiotherapy with microbeams to advance cancer treatment outcomes	University of Wollongong	\$1,310,509.00
2037680	CIA - Assoc Prof Markus Muttenthaler	Intestinal Biofilms - New opportunities in diagnosing and treating gut disorders	The University of Queensland	\$971,249.00
2037697	CIA - Dr Charles Bailey CIB - Dr Bijay Dhungel	Enhanced adeno-associated virus vectors for safer gene therapies	University of Sydney	\$1,065,723.29
2037698	CIA - Prof Mark Schembri CIB - Dr Minh Duy Phan	Global regulation of virulence and resistance in uropathogenic E. coli	The University of Queensland	\$1,627,077.00
2037700	CIA - Dr Jing Jing Wang CIB - Prof Andreas Greinacher CIC - Dr Alexander Troelnikov CID - Dr Linda Schönborn CIE - Emer Prof Theodore Warkentin CIF - Assoc Prof Tim Chataway CIG - Prof Thomas Gordon CIH - Dr Corey Watson CII - Mr Roland Zahn	VITT and the adenovirus connection: unravelling the root cause of a dangerous autoantibody by proteogenomics	Flinders University	\$809,369.00



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2037730	CIA - Assoc Prof Brett Graham CIB - Dr Mark Gradwell	EXCITATORY PV CELLS: A NEW SWITCH TO TRIGGER SPINAL PAIN	The University of Newcastle	\$939,335.92
2037735	CIA - Assoc Prof Xiaowei Wang CIB - Prof Meltem Avci-Adali CIC - Dr Mark Vidallon	Innovative mRNA therapeutics for inflammation and thrombosis: A novel approach to combat cardiovascular diseases	Baker Heart and Diabetes Institute	\$1,759,151.20
2037740	CIA - Prof Raj Shekhawat CIB - Dr Mehrnaz Shoushtarian CIC - Prof Jose Antonio Lopez-Escamez CID - Dr Abhishek Datta CIE - Prof Adrian Esterman CIF - Prof Malcolm Battersby CIG - Assoc Prof Kenneth Pope	Novel Tinnitus Management Combining Brain Stimulation and Hearing Aids with Genetic and Epigenetic Biomarkers	Flinders University	\$2,237,869.40
2037743	CIA - Assoc Prof Cornelia Landersdorfer CIB - Assoc Prof Antonio Oliver CIC - Dr Marina Harper	Overcoming resistance emergence to recent antibiotics by a multi-omics informed quantitative and systems pharmacology approach	Monash University	\$1,091,288.97
2037776	CIA - Dr Nevin John CIB - Dr Heidi Beadnall	Pregnancy and the Multiple Sclerosis Brain	Monash University	\$1,359,383.39
2037777	CIA - Dr Carl White CIB - Prof Kevin Pflieger CIC - Prof Alastair Stewart	Chemokines as novel nucleic acid sensors: a new function in innate immunity	University of Melbourne	\$933,256.00
2037781	CIA - Prof Ruta Gupta CIB - Prof Jeremy Crook CIC - Assoc Prof Carsten Palme CID - Assoc Prof Christopher Milross CIE - Dr Laveniya Satgunaseelan CIF - Dr Mun Hui	Tailoring Adjuvant Therapy for Oral Cancer Through BioPrinting	University of Sydney	\$1,033,196.00



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2037787	CIA - Dr Kendelle Murphy CIB - Prof Jennifer Morton CIC - Prof Lorraine Chantrill	Targeting pancreatic cancer (PC) via anti-fibrotic FAK treatment and FOLFIRINOX chemotherapy using dual biosensor imaging	University of New South Wales	\$599,640.00
2037803	CIA - Prof Deborah Hersh CIB - Dr Brooke Ryan CIC - Assoc Prof Emma Power CID - Prof David Boud CIE - Assoc Prof Merrolee Penman CIF - Dr Marshall Makate CIG - Dr Britta Biedermann CIH - Dr Suzanne Beeke CII - Assoc Prof Renerus Stolwyk CIJ - Dr Claire Morrisby	Assess for Success: Transforming language and cognitive assessment and feedback practices following acquired brain injury to enhance effective communication, consumer engagement, and self-efficacy.	Curtin University	\$1,333,943.60
2037806	CIA - Assoc Prof Emma Rybalka CIB - Dr Cara Timpani CIC - Prof Alan Beggs CID - Dr Behzad Moghadaszadeh CIE - Mrs Priyanka Kakkar CIF - Dr David Mack CIG - Asst Prof Alec Smith	Advancing a world first treatment for a rare metabolic myopathy	Victoria University	\$1,367,410.20
2037809	CIA - Prof Renae Ryan CIB - Assoc Prof Don van Meyel CIC - Dr Yan Jiang	The twisted link between a dual function transporter and Episodic Ataxia	University of Sydney	\$987,264.00
2037815	CIA - Dr Kavitha Gowrishankar CIB - Assoc Prof Emily Blyth CIC - Dr Koon Lee	Transgenic receptor combinations - novel cellular therapeutics for acute myeloid leukaemia	University of Sydney	\$1,338,210.20



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2037822	CIA - Dr Andrew Care CIB - Assoc Prof Lyndsey Collins-Praino CIC - Assoc Prof Bernadette Saunders CID - Dr Julia van der Hoven CIE - Dr Claire Rennie	Bioengineering Protein Nanocages for Preventive Vaccination Against Alzheimer's Disease	University of Technology Sydney	\$1,398,971.00
2037824	CIA - Dr Brooke Pereira CIB - Dr James Conway CIC - Dr Katrin Sjoquist CID - Prof Jeff Evans	Integrated intravital imaging guided therapeutic targeting of pancreatic cancer fibrosis to enhance gemcitabine/Abraxane chemotherapy response	University of New South Wales	\$599,640.00
2037862	CIA - Assoc Prof Nadine Andrew CIB - Dr Taya Collyer CIC - Assoc Prof Richard Beare CID - Prof Velandai Srikanth CIE - Dr Katrina Long CIF - Dr Jenni Ilomaki	Novel methods to enhance the use of routinely collected linked data for the evaluation of government policies related to healthy ageing	Monash University	\$1,407,622.40
2037880	CIA - Dr Maggy Lord CIB - Dr T. Thang Vo-Doan CIC - Dr Jonathan Darbro CID - Dr Paul Visendi Muhindira	Infrared and Artificial intelligence technique to enhance surveillance of Ross River virus hotspots	The University of Queensland	\$1,009,154.00
2037887	CIA - Dr Drew Neavin	Building the world's largest bipolar Stem Cell resource to elucidate disease risk and therapy response	University of New South Wales	\$645,463.70
2037907	CIA - Assoc Prof Nai Yang Fu CIB - Dr Philip Arandjelovic CIC - Dr Xueyi Dong	Identification of effective therapeutic targets for β -catenin activation-associated hepatocellular carcinoma by unmasking the cellular and molecular origins	The Walter and Eliza Hall Institute of Medical Research	\$1,350,088.00



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2037919	CIA - Dr Tanja Jankovic-Karasoulos CIB - Prof Timothy Green CIC - Assoc Prof Luke Grzeskowiak CID - Dr Melanie Smith CIE - Prof Gustaaf Dekker CIF - Dr Shalem Leemaqz CIG - Dr Murthy Mittinty CIH - Dr Anya Arthurs	Too much of a good thing? Examining the Impacts of Folic Acid Supplementation After the First Trimester on Placental Endocrine Function and Insulin Resistance During Pregnancy	Flinders University	\$1,173,926.75
2037953	CIA - Assoc Prof Jan Kaslin CIB - Dr Senthil Arumugam CIC - Dr Samuel Crossman	Regrow with the flow	Monash University	\$899,707.50
2037970	CIA - Dr Glen Carter CIB - Dr Jean Lee CIC - Dr Calum Walsh CID - Prof Kathleen McCoy CIE - Prof Arnfinn Sundsfjord	Rational design of live bacterial therapeutics to combat multidrug resistant organisms	University of Melbourne	\$1,235,944.00
2037977	CIA - Dr Jessica Russ-Smith CIB - Prof Susan Green CIC - Mrs Jade Ryall	Waluwin Ngurambang, Waluwin Bagirngun, Waluwin Mayiny (Healthy Country, Healthy Women, Healthy People)	Australian Catholic University	\$1,000,949.50
2037997	CIA - Dr Ting Xia CIB - Dr Joanna Dipnall CIC - Jane Hayman CID - Dr Tina Lam	Transforming opioid poisoning surveillance through novel technologies	Monash University	\$862,132.50
2038040	CIA - Assoc Prof Stephen Wilson CIB - Miss Leonora Adidi CIC - Ms Lavinia Heffernan CID - Prof Caroline Jones CIE - Assoc Prof Carmel O'Shannessy CIF - Prof David Copland	A universal aphasia battery for assessing language disorders in Aboriginal and Torres Strait Islander people who speak traditional languages and creoles	The University of Queensland	\$1,471,723.27



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2038061	CIA - Dr Annabell Bachem CIB - Dr Geraldine Kong	Enhancing CD8+ T cell immunity using microbiota-derived short chain fatty acids	University of Melbourne	\$772,408.00
2038064	CIA - Assoc Prof Thomas Tu CIB - Ulrike Protzer CIC - Assoc Prof Maura Dandri	Overcoming viral persistence to cure Hepatitis B	University of Sydney	\$1,288,133.00
2038069	CIA - Dr Mark van Delft CIB - Dr Christopher Gardner	Short-circuiting a cell death rheostat to boost BCL2 inhibitor efficacy in blood cancer	The Walter and Eliza Hall Institute of Medical Research	\$996,244.24
2038089	CIA - Prof Chris Plummer CIB - Prof Aileen McGonigal CIC - Prof Iain Johnstone CID - Dr Miao Cao CIE - Mr Simon Vogrin CIF - Dr William Woods CIG - Assoc Prof David White CIH - Dr Matthew Hughes CII - Dr Rachel Oliver (Batty) CIJ - Dr Sara Vogrin	Advancing Epilepsy Surgery Eligibility and Outcome with Non-invasive 3D Field Imaging	Swinburne University of Technology	\$1,353,287.50
2038096	CIA - Prof Wayne Hawthorne CIB - Prof Peter Cowan CIC - Assoc Prof Mark Nottle CID - Prof Francesco Ierino	Xenotransplantation a Next Generation Cure for Diabetes using Transgenic Porcine Islets	University of Sydney	\$3,912,003.50
2038097	CIA - Prof Alexander Khromykh CIB - Rhys Parry CIC - Dr Lachlan De Hayr CID - Dr Selin Pars CIE - Helen Gunter	Lost in translation: why flaviviruses induce cleavage of tRNAs	The University of Queensland	\$1,417,060.50



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2038129	CIA - Assoc Prof Andrew Vakulin CIB - Assoc Prof Sutapa Mukherjee CIC - Prof Brendon Yee CID - Dr Amal Mohamed Osman CIE - Assoc Prof Ching Li Chai-Coetzer CIF - Dr Yizhong Zheng CIG - Dr Ganesh Naik CIH - Mr Jack Manners CII - Prof Garun Hamilton CIJ - Prof David White	Impact and mechanisms of night-to-night variability in sleep apnoea severity on health and treatment outcomes	Flinders University	\$1,998,351.20
2038131	CIA - Assoc Prof Nathan Palpant	Acid sensing ion channels regulate organ stress responses to ischemia	The University of Queensland	\$1,341,236.00
2038157	CIA - Assoc Prof Phillip Tully CIB - Prof Alun Jackson CIC - Dr Barbara Murphy CID - Assoc Prof Suzanne Cosh CIE - Assoc Prof Warren Bartik CIF - Dr Jeff Huffman CIG - Dr Bruce Rollman	Mind the gap: building a suicide prevention framework in cardiovascular care	The University of New England	\$327,565.75
2038179	CIA - Prof Robert Kapsa CIB - Assoc Prof David Garrett CIC - Assoc Prof Anita Quigley CID - Prof Denny Oetomo CIE - Prof Elena Pirogova CIF - Prof Simon Moulton CIG - Miss Nethmini Walliwala Gamage CIH - Dr Shaun Cloherty CII - Sorel De Leon Vergara	Electro-Neural Adaptive Bionic Living Electrode-interface (ENABLE-i)	RMIT University	\$1,672,089.80



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2038193	CIA - Assoc Prof Robin Hobbs CIB - Dr Tessa Lord CIC - Assoc Prof Jan-Bernd Stukenborg CID - Asst Prof Jinyue Liao	Male germline regeneration and fertility restoration after genotoxic damage	Monash University	\$1,667,443.60
2038211	CIA - Prof Paul Ward CIB - Dr Michael Savic CIC - Prof Sarah MacLean CID - Dr Belinda Lunnay CIE - Prof Antonia Lyons CIF - Prof Tonda Hughes CIG - Kerry London CIH - Dr Gabriel Caluzzi	Reducing alcohol consumption through the sober curious movement	Torrens University Australia Limited	\$801,519.30
2038242	CIA - Dr Brad Gilbertson CIB - Prof Kanta Subbarao CIC - Dr Matthew Gartner	Assessing the Pandemic Threat of Highly Pathogenic Avian Influenza A Viruses	University of Melbourne	\$838,771.28
2038248	CIA - Dr Andre Luiz Martins Reis CIB - Dr Hasindu Gamaarachchi	Advanced Computational Methods to Enhance Long-Read Sequencing in Genomic Medicine	University of New South Wales	\$807,161.00
2038249	CIA - Assoc Prof Louise Cheng CIB - Sofya Golenkina CIC - Dr Margret Bulow CID - Dr Fumiaki Obata CIE - Hyun Soo Ko CIF - Prof Alexander Heriot	Organ competition: how do tumours grow at the expense of other tissues in cancer cachexia?	University of Melbourne	\$1,229,948.60
2038298	CIA - Dr Carola Venturini CIB - Prof Stefanie Barbirz CIC - Dr Alicia Fajardo Lubian	Molecular and multi-omics assessment of Klebsiella pneumoniae response to bacteriophages	University of Sydney	\$816,351.50



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2038312	CIA - Dr Vincent Corbin CIB - Prof Damian Purcell CIC - Dr Ashley Hirons	Viral riboswitch structures as therapeutic targets	University of Melbourne	\$999,129.20
2038319	CIA - Dr Chantelle Ahlenstiel CIB - Prof Robin Shattock CIC - Jing Wen	Self-amplifying mRNA Antiviral RNA Therapeutics (SMART) for an HIV cure	University of New South Wales	\$875,061.60
2038330	CIA - Dr Padmanesan Narasimhan CIB - Assoc Prof Roberto Forero CIC - Prof Margaret Fry CID - Dr Aditya Joshi CIE - Prof Sandra Hale CIF - Dr Jitendra Jonnagaddala CIG - Assoc Prof Usman Iqbal CIH - Dr Mohammed Mohsin CII - Dr Anthony Sunjaya CIJ - Assoc Prof Sally McCarthy	User-centred design and testing of a conversational Artificial Intelligence (AI) chatbot to address language barriers in Emergency Department Triage- The TRIBOT study	University of New South Wales	\$981,725.50
2038332	CIA - Assoc Prof Kathryn Gatford CIB - Prof Janna Morrison CIC - Assoc Prof Michael Stark CID - Assoc Prof Michael Wiese CIE - Assoc Prof Joanne Davidson CIF - Dr Sebastian McBride CIG - Dr Mitchell Lock	Maturing the preterm lung without damaging the brain	The University of Adelaide	\$2,308,299.81
2038345	CIA - Prof David Tarlinton	How environment, competition, and location combine to control plasma cell lifespan	Monash University	\$1,077,080.00
2038364	CIA - Dr Jacqueline Donoghue CIB - Dr Wan Tinn Teh CIC - Assoc Prof Martin Healey	Molecular Mechanisms of Abnormal Uterine Bleeding	University of Melbourne	\$1,578,126.20



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2038370	CIA - Prof Greg Stuart CIB - Dr Madhusoothanan Bhagavathi Perumal	Investigating Neuronal Check Points in Circuits Generating Epileptic Discharges	Monash University	\$879,895.20
2038383	CIA - Prof Katharine Wallis CIB - Assoc Prof Penelope Lind CIC - Assoc Prof Maria Donald CID - Assoc Prof Chad Bousman	Finding the genetic variants influencing antidepressant withdrawal symptoms	The University of Queensland	\$331,887.90
2038384	CIA - Dr Travis Johnson CIB - Assoc Prof Matthew Piper CIC - Dr Samantha Solon-Biet CID - Assoc Prof Sebastian Dworkin CIE - Assoc Prof Zhen He	Designing precision dietary therapies for inherited metabolic disorders through nutrigenomics	La Trobe University	\$1,288,922.00
2038387	CIA - Prof Amin Abbosh CIB - Wilbert Villena Gonzales CIC - Robert Bird	Minimally-Invasive Electromagnetic Haemoglobin Sensing	The University of Queensland	\$910,140.39
2038393	CIA - Dr Lachlan Moldenhauer CIB - Prof Mary (Louise) Hull CIC - Dr Catherine McCormack CID - Dr Jennie Louise	Recurrent Miscarriage - defining clinical subtypes based on immune-metabolic dysfunction	The University of Adelaide	\$1,652,561.40
2038400	CIA - Prof Roger Daly	A novel, therapeutically actionable, signalling axis in poor prognosis human cancers	Monash University	\$1,027,696.00
2038457	CIA - Assoc Prof Ross Dickins	PD-L1 checkpoint agonist therapies in autoimmunity and transplantation	Monash University	\$727,929.12
2038497	CIA - Assoc Prof Zi (Sophia) Gu CIB - Prof Liming Dai	Drug-free biomimetic nanomedicine for targeted treatment of metastatic triple negative breast cancer	University of New South Wales	\$760,256.70



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2038502	CIA - Dr Rowan Martin-Hughes CIB - Dr Damian Pavlyshyn CIC - Dr Michael Curtis CID - Prof Peter Vickerman CIE - Dr Ashleigh Stewart CIF - Dr Daniela Van Santen	Determining the health and economic benefits from public housing interventions for people who use drugs in Australia	Burnet Institute	\$972,407.00
2038530	CIA - Dr Sherry Wu	Improving efficacy and reducing side effects of cancer nanomedicines	The University of Queensland	\$819,896.00
2038538	CIA - Prof Hilda Pickett	Telomerase proteostasis in human health and disease	University of Sydney	\$681,113.00
2038548	CIA - Prof Karla Helbig CIB - Prof Adam Mechler	Artificial lipid droplets: towards development of pan-antiviral solutions	La Trobe University	\$994,120.00
2038558	CIA - Dr Shivashankar Hiriyur Nagaraj CIB - Prof Wendy Hoy CIC - Ms Rica Lacey CID - Prof Judy Savige CIE - Mrs Tamika Campbell CIF - Mr Reece Griffin CIG - Assoc Prof Sree Venuthurupalli CIH - Dr Victoria Coyne CII - Mr Pirrawayingi Puruntatameri CIJ - Miss Therese Bourke	Intersecting epidemics: genetic and clinical determinants of comorbid chronic kidney disease and diabetes in Indigenous Australians	Queensland University of Technology	\$2,512,622.30
2038600	CIA - Dr Daniel Fernandez-Ruiz CIB - Assoc Prof Martin Smith CIC - Prof John Mattick	Long non-coding RNAs: master regulators of T cell fate	University of New South Wales	\$1,838,166.08
2038601	CIA - Assoc Prof Quenten Schwarz CIB - Prof Peter Anderson	Exploring new anti-apoptotic roles of intracrine VEGF in cartilage development and disease	University of South Australia	\$1,125,492.80



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2038610	CIA - Prof Peter Rutledge CIB - Emer Prof Warwick Britton CIC - Dr Diana Quan CID - Dr Yichen Zhong	Hijacking the mycobacterial protein degradation system for new drugs against tuberculosis	University of Sydney	\$977,475.00
2038618	CIA - Dr Tamara Yawno CIB - Assoc Prof Rebecca Lim CIC - Dr Ishmael Inocencio CID - Dr Dandan Zhu	Nanomedicine for Preterm Brain Injury	Monash University	\$1,281,057.00
2038629	CIA - Dr Carlo Giannangelo CIB - Dr Annaliese Dillon CIC - Assoc Prof David Shackelford CID - Dr Michael Edstein	Discovery of New Antimalarials with a Novel Mechanism of Action and Irresistible Target	Monash University	\$1,164,771.50
2038630	CIA - Dr Danika Hill CIB - Dr Nicole Moreland	Total recall: Exploiting human immune memory for smarter and safer Strep A vaccine strategies	Monash University	\$1,603,676.80
2038631	CIA - Prof Bruno van Swinderen CIB - Prof Thomas Burne CIC - Prof Andre van Zundert	Time to wake up! Reversing a presynaptic anaesthetic mechanism	The University of Queensland	\$1,266,346.00
2038654	CIA - Dr Danika Hill CIB - John McCormick	Super-mAbs for Super-Ags: A novel therapeutic strategy for life-threatening invasive streptococcal disease.	Monash University	\$1,221,058.50
2038657	CIA - Dr Anna Hearps CIB - Assoc Prof Anthony Jaworowski CIC - Dr Pantelis Pountourios	A novel NK-cell based immunotherapy strategy for HIV cure.	Burnet Institute	\$1,096,733.40
2038669	CIA - Dr Sapna Devi CIB - Dr Lai Guan Ng	Defining neural regulation of the tumour immune ecosystem	University of Melbourne	\$1,256,356.80



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2038700	CIA - Prof Riccardo Dolcetti CIB - Dr Pouya Faridi CIC - Dr Joseph Kong	Off-the-shelf circular mRNA vaccine exploiting non-conventional tumour antigens to improve immunotherapy of mismatch repair-proficient colorectal cancer	University of Melbourne	\$2,230,415.20
2038702	CIA - Assoc Prof Isuru Ranasinghe CIB - Dr Linh Ngo CIC - Dr Yang Peng CID - Dr Michelle (Mun Chieng) Tan CIE - Ms Thi Huyen Trang Dang CIF - Assoc Prof Alka Kothari	Safety, Effectiveness of Care, and Resource Use Associated with Elective Hospital Procedural Care (SAFER Elective Care)	The University of Queensland	\$850,173.50
2038724	CIA - Dr Samantha Stehbens CIB - Dr Melanie White CIC - Assoc Prof Yash Chhabra	Understanding microtubule-dependent cell invasion to develop anti-metastasis strategies.	The University of Queensland	\$1,391,779.00
2038731	CIA - Dr Aparna Rao CIB - Prof Ralph DeBerardinis	Identifying novel metabolic biomarkers and therapeutic targets in patients with melanoma	University of Melbourne	\$1,051,616.40
2038763	CIA - Assoc Prof Anna Waterhouse CIB - Dr Mark Dennis	Bioengineering to Eliminate Thrombosis in Heart-Lung Machines	University of Sydney	\$781,778.00
2038770	CIA - Assoc Prof Ross Dickins	Lineage-directed differentiation therapy of acute myeloid leukaemia	Monash University	\$1,020,869.50
2038782	CIA - Dr Kai Chen CIB - Dr Xianfeng Lin CIC - Prof Killugudi Swaminatha-Iyer CID - Dr Haibo Jiang	Advancing RNA therapy for arthritis	University of Western Australia	\$466,296.00
2038792	CIA - Dr Mohamed Saad CIB - Prof Brendan Jenkins CIC - Prof Phan Nguyen CID - Dr Arash Badiei	The novel role of protease-driven ectodomain shedding in small cell lung cancer	The University of Adelaide	\$1,052,410.00



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2038804	CIA - Assoc Prof Eddy Kizana	Creation of Next Generation Vectors for Cardiac Gene Therapy: Toward Human Application	University of Sydney	\$1,603,928.40
2038828	CIA - Dr Lisa Philp CIB - Prof Colleen Nelson CIC - Prof Laszlo Otvos CID - Dr Charles Bidgood CIE - Dr Philip Rowell CIF - Dr Anja Rockstroh CIH - Dr Melanie Lehman CIH - Dr Nataly Stylianou	Targeting a master regulator of cellular energetics and plasticity in treatment resistant prostate cancer.	Queensland University of Technology	\$914,128.10
2038832	CIA - Dr Heidi Welberry CIB - Prof Henry Brodaty CIC - Dr Adrian Walker CID - Dr Nicholas Kuo CIE - Dr Marzia Hoque Tania	CausAID: Using Causal Artificial Intelligence and population-wide data to understand the role of infectious diseases in the aetiology of Dementia	University of New South Wales	\$761,727.20
2038843	CIA - Dr Melanie White	Revealing how Prickle 1 mutations cause junctional neural tube defects	The University of Queensland	\$877,530.60
2038844	CIA - Dr Emily Gruber	Epigenetic targeting of multiple myeloma	University of Melbourne	\$876,190.00
2038862	CIA - Prof John Boyce CIB - Dr Marina Harper CIC - Prof David Roper	Harnessing type VI secretion system lysins for fighting bacterial superbugs	Monash University	\$857,585.00
2038866	CIA - Assoc Prof Tim Silk CIB - Dr Lisa Curtis-Wendlandt CIC - Dr Amanda Maxwell CID - Miss Jade-Jocelyne Zouki CIE - Prof Jack Reynolds	The urge-to-tic: Examining the neural and experiential bases of Tourette syndrome	Deakin University	\$699,360.80
2038877	CIA - Dr Bowen Dempsey CIB - Prof Simon McMullan	A genetic signature for the neurons that control ingestion	Macquarie University	\$1,186,360.91



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2038882	CIA - Assoc Prof Philip Gregory CIB - Prof Gregory Goodall CIC - Mr John Toubia	Uncovering the functions of splice variants driving breast cancer progression	University of South Australia	\$1,166,928.00
2038884	CIA - Prof Robin McAllen CIB - Dr Michael McKinley CIC - Dr Alessandra Occhinegro	A small brain region that regulates host defences	University of Melbourne	\$779,695.50
2038886	CIA - Dr Gonzalo del Monte Nieto CIB - Assoc Prof Kelly Smith CIC - Dr Thi Hai Yen Tran	Exploring the proliferation potential of trabecular myocardium	Monash University	\$1,645,318.00
2038892	CIA - Dr Niamh Moriarty	Promoting survival and functional integration of human neural grafts for the treatment of Parkinson's Disease	University of Melbourne	\$1,231,230.20
2038899	CIA - Dr Ramon Martinez Marmol	Viral-induced neuronal fusion: Uncovering a new cause of neurological dysfunction.	The University of Queensland	\$886,535.25
2038906	CIA - Dr Dana Hutchinson CIB - Dr Brian Cary	Impact of biased agonism at the GLP-1R in the treatment of obesity and type 2 diabetes	Monash University	\$2,488,624.03
2038930	CIA - Assoc Prof Francesca Frentiu CIB - Dr Gordana Rasic CIC - Assoc Prof Thomas Walker CID - Dr Elvina Viennet	Combatting Mosquito-Borne Encephalitic Viruses: New Biocontrol and Risk Prediction Tools	Queensland University of Technology	\$988,421.60
2038959	CIA - Prof Lisa Butler CIB - Prof Massimo Loda CIC - Prof Johannes Swinnen CID - Chui Yan Mah	PRO-RUST therapy to trigger prostate cancer ferroptosis	The University of Adelaide	\$1,161,539.70
2038967	CIA - Assoc Prof Vihandha Wickramasinghe	Mechanisms underlying the pathology of spliceosomal mutations in myelodysplastic syndromes and cancer	University of Melbourne	\$1,315,962.00



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2038988	CIA - Dr Jodie Avery CIB - Prof Mary (Louise) Hull CIC - Dr Hsiang-Ting Chen CID - Assoc Prof David Gonzalez-Chica CIE - Dr Rebecca O'Hara CIF - Dr Steven Knox CIG - Assoc Prof George Condous CIH - Assoc Prof Hossein Afzali CII - Ms Yuan Zhang CIJ - Ms Alison Deslandes	Enhanced Outcomes for young people with endometriosis through diagnostic delay reduction.	The University of Adelaide	\$1,978,271.40
2038993	CIA - Dr Lynette Beattie CIB - Hannah Kelly	T Cell Synergy for Malaria killing	University of Melbourne	\$1,113,195.00
2039033	CIA - Prof Susan Walker CIB - Dr Lucy Bartho CIC - Dr Shihui Wen	Novel methods to identify women at risk of preeclampsia late in pregnancy.	University of Melbourne	\$1,047,556.80
2039039	CIA - Dr Dorothea Dumuid CIB - Prof Frank Neumann CIC - Prof Timothy Olds CID - Assoc Prof Ashleigh Smith CIE - Dr Tyman Stanford CIF - Dr Ty Ferguson CIG - Dr Aneta Neumann CIH - Dr Maddison Mellow	Not everyone has the same 24 hours in a day: Addressing time inequality through AI-based personalised time-use interventions	University of South Australia	\$1,378,364.80
2039061	CIA - Assoc Prof Theresa Hickey CIB - Prof Wayne Tilley CIC - Dr Stephen Birrell CID - Dr Kristen Feher CIE - Assoc Prof Simon Knott	Rebalancing sex hormone signalling in the breast ecosystem to reduce cancer risk	The University of Adelaide	\$1,414,094.50



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2039096	CIA - Prof Evdokia Dimitriadis CIB - Dr Wan Tinn Teh CIC - Prof Luk Rombauts	A new way to see endometrial receptivity defects and implantation failure.	University of Melbourne	\$1,119,788.60
2039129	CIA - Prof Anton Peleg CIB - Dr Francesca Short CIC - Dr Nitin Patil	Mechanistic Insights and Therapeutic Targeting of small RNAs in <i>Acinetobacter baumannii</i>	Monash University	\$1,298,648.00
2039156	CIA - Prof David Bishop CIB - Dr Alessandra Ferri	Discovering new mitochondrial markers of biological ageing to inform targeted strategies to promote healthy ageing.	Victoria University	\$877,704.00
2039176	CIA - Dr Christopher Howard CIB - Dr Kym Lowry	“COVID & Beyond”: Innovative rapid response nanoprobe to detect the next pandemic threat.	The University of Queensland	\$939,909.00
2039198	CIA - Assoc Prof Hamish Meffin CIB - Assoc Prof Yan Wong CIC - Prof Michael Ibbotson CID - Prof Anthony Burkitt CIE - Dr Martin Spencer	Next-generation encoding of electrical stimulation for sensory cortical prostheses	University of Melbourne	\$732,523.00
2039203	CIA - Prof Justine Mintern CIB - Dr Haiyin Liu CIC - Dr Christophe Macri	Enhancing mRNA vaccines by exploiting pathways of antigen presentation	University of Melbourne	\$704,416.00
2039228	CIA - Dr Holly Voges CIB - Prof Christian Brizard CIC - Dr Bo Remenyi CID - Dr Adam Piers CIE - Ms Annette Gaulton	Heart valve organoids to identify therapeutic targets for Rheumatic Heart Disease	Murdoch Children’s Research Institute	\$851,096.80
2039233	CIA - Dr Vicki Athanasopoulos CIB - Dr Dulika Sumathipala	Understanding the mechanism of RELB glomerulonephritis to improve kidney outcomes in the Tiwi Islands	Australian National University	\$1,550,366.20



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2039241	CIA - Dr Antonella Papa CIB - Dr Senthil Arumugam	Targeting the non-canonical protein-phosphatase activity of PTEN for new breast cancer therapies	Monash University	\$1,279,542.00
2039264	CIA - Dr Derek Sarovich CIB - Assoc Prof Erin Price CIC - Dr Timothy Baird CID - Jane Neill	Using Meta-Omics to Improve Diagnosis and Treatment of Chronic Obstructive Pulmonary Disease Exacerbations	University of the Sunshine Coast	\$921,300.40
2039279	CIA - Assoc Prof Catherine Butler CIB - Dr Giuseppe Ciccotosto CIC - Prof Stuart Dashper	Defining how pathogenic bacterial membrane vesicles impact neurodegenerative processes in Alzheimer's disease	University of Melbourne	\$1,737,932.00
2039298	CIA - Assoc Prof Pilar Blancafort CIB - Dr Emily Golden CIC - Assoc Prof Andrew Redfern CID - Dr Dane Cheasley CIE - Prof Christina Curtis CIF - Dr Louise Winteringham	REPROGRAMMING STRESS-INDUCED CELLULAR SIGNALING TO IMPROVE THERAPY RESPONSES IN OVARIAN CANCER	University of Western Australia	\$2,517,497.34
2039324	CIA - Dr Isabelle Munoz CIB - Dr Christina Scheffler	Developing novel CAR T cells with enhanced metabolic performance for solid tumor treatment	University of Melbourne	\$895,694.40
2039353	CIA - Prof Rajiv Khanna CIB - Dr Vijayendra Dasari	Ebvirumab - a novel human antibody for the treatment of EBV-associated diseases	The Council of the Queensland Institute of Medical Research	\$902,871.00
2039368	CIA - Prof Damien Keating CIB - Dr Daniel Thorpe CIC - Dr Rochelle Peterson	Thermoregulation from the bottom up	Flinders University	\$1,164,172.00
2039374	CIA - Dr Stuart Hodgetts CIB - Emer Prof Alan Harvey CIC - Prof Vincent Wallace	Red and near infrared photobiomodulation therapy for spinal cord repair using implanted devices	University of Western Australia	\$1,006,328.00



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2039377	CIA - Dr Karen Gregory CIB - Dr Pramod Nair CIC - Dr Shane Hellyer CID - Prof Tarun Bastiampillai	Dissecting the genetic diversity and therapeutic potential in targeting trace amine receptor 1 for psychiatric disorders	Monash University	\$1,446,409.00
2039387	CIA - Dr David Jacques CIB - Prof Till Boecking CIC - Dr Prabhjeet Phalora CID - Dr Goedele Maertens	Understanding the functions, interactions, and therapeutic potential of the Human T-cell Leukaemia Virus capsid	University of New South Wales	\$1,310,462.00
2039389	CIA - Dr Anna Hearps CIB - Assoc Prof Anthony Jaworowski CIC - Prof Jennifer Hoy CID - Assoc Prof Janine Trevillyan CIE - Dr Morgane Brunton-O'Sullivan	New insights into HIV-induced cardiovascular disease	Burnet Institute	\$881,379.59
2039391	CIA - Dr Terry Kwok CIB - Dr Michael McDonald CIC - Dr Rebecca Gorrell	Targeting evolution to combat Helicobacter pylori antibiotic resistance	Monash University	\$874,585.00
2039392	CIA - Assoc Prof Christopher Tonkin CIB - Prof Kelly Rogers CIC - Dr Lachlan Whitehead	Molecular Basis of Toxoplasma's Interaction with the Brain	The Walter and Eliza Hall Institute of Medical Research	\$1,508,932.00
2039398	CIA - Assoc Prof Edwina McGlinn CIB - Prof Timothy Cox CIC - Prof Paul Trainor CID - Dr Jan Manent	In utero correction of craniofacial malformations	Monash University	\$1,171,374.00
2039465	CIA - Prof Amin Abbosh CIB - Dr Sasan Ahdi Rezaeieh CIC - Prof Christophe Fumeaux CID - Dr Md Abdul Awal CIE - Dr Azinsadat Janani	Portable Electromagnetic Torso Scanner	The University of Queensland	\$923,708.20



App ID	Chief Investigator Name(s)	Application Title	Administering Institution	Budget
2039491	CIA - Prof Peter Hoffmann CIB - Prof Martin Oehler CIC - Prof Ingeborg Koch CID - Dr Parul Mittal	Diagnosis of Lymph Node Metastasis in Endometrial Cancer	University of South Australia	\$481,016.00
2039521	CIA - Dr Prue Pereira-Fantini CIB - Prof Peter Davis CIC - Dr Arun Sett CID - Dr Sandra Leibel CIE - Dr Kelly Kenna CIF - Dr Sean Byars CIG - Prof Rory Morty CIH - Prof Satyanarayana Lakshminrusimha CII - Prof Charles Roehr	One size does not fit all: optimising respiratory support for the smallest neonates	Murdoch Children's Research Institute	\$1,667,928.75
2039573	CIA - Dr Shayanti Mukherjee CIB - Prof Anna Rosamilia CIC - Prof Jerome Werkmeister CID - Dr Kallyanashis Paul CIE - Dr Karyn Jarvis CIF - Dr Hamid Bidkhor	Advancing Pelvic Organ Prolapse Surgical Outcomes with Surface Engineering	Monash University	\$1,393,376.20
2039576	CIA - Assoc Prof James Van Gelder CIB - Dr Philip Boughton CIC - Dr Ross Copping CID - Mr Daniel James CIE - Dr R. M. Damian Holsinger CIF - Mr Murray Sullivan CIG - Dr David Anderson CIH - Dr Glen Schlaphoff	Injectable bioscaffold for structural spinal repair.	University of New South Wales	\$945,353.50



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2039592	CIA - Prof David Spanswick CIB - Assoc Prof Yan Wong CID - Prof Yves De Koninck	Targeting chronic pain: non-pharmacological manipulation of endogenous adenosine	Monash University	\$736,218.40
			Total	\$274,354,675.03