# Appendix A: MRFF Cardiovascular Health Mission projects funded as of March 2023

As of March 2023, the Medical Research Future Fund’s [Cardiovascular Health Mission](https://www.health.gov.au/initiatives-and-programs/cardiovascular-health-mission) has had 7 grant opportunities that have awarded funding for research projects. The grant opportunities are:

1. [2019 Accelerated Research - Congenital Heart Disease](https://www.grants.gov.au/Go/Show?GoUuid=c3b4fe81-d7b3-48b0-eafa-5aebed2ec1ed)
2. [2019 Cardiovascular Health Grant Opportunity](https://www.grants.gov.au/Go/Show?GoUuid=af75aaf0-f189-f140-5576-1e594da694f3)
3. [2020 Strategic Research Grant](https://www.grants.gov.au/Ga/Show/2b831c97-f25b-2e77-f5f0-5f474bd5f99d)\*
4. [2020 Childhood Stroke Grant](https://www.grants.gov.au/Ga/Show/5d644509-a54c-e079-b58f-f43dde14adb9)\*
5. [2020 Cardiovascular Health Grant Opportunity](https://www.grants.gov.au/Go/Show?GoUuid=260c2036-6258-40e9-b643-5935299c57fd)
6. [2021 Cardiovascular Health Grant Opportunity](https://www.grants.gov.au/Go/Show?GoUuid=d35a8d63-3e38-4dc7-9077-e5f10fb4222c)
7. [2022 Cardiovascular Health Grant Opportunity](https://www.grants.gov.au/Go/Show?GoUuid=45eb4510-7b9d-48f8-8d48-d42eb2930633)

The below table outlines the projects funded from these grant opportunities, and the ‘Priority area/s for investment’ as outlined in the [Implementation Plan](https://www.health.gov.au/resources/publications/mrff-cardiovascular-health-mission-implementation-plan) that each project targets. Further information on MRFF funded grants is available [here](https://www.health.gov.au/resources/publications/medical-research-future-fund-mrff-grant-recipients).

| Institution | Project Title | Amount (ex GST) | Funded from Grant Opportunity |
| --- | --- | --- | --- |
| **Implementation Plan Priority Area 1.1** |
| University of Adelaide | Maternal exposures, congenital heart defects, and child development | $3,037,417.00 | 1 |
| University of New South Wales | Novel deep learning methods for large-scale cardiovascular risk screening using Australian digital health data | $1,467,090.60 | 2 (Priority 1) |
| Monash University | Using Polygenic Risk Scores to Target Statin Therapy in Primary Prevention | $1,416,095.00 | 2 (Priority 1) |
| National Heart Foundation of Australia | Predictive Modelling Strategic Grant:* Early identification and treatment of heart disease to prevent heart attacks
* Is genetics useful for predicting outcomes in patients with atrial fibrillation?
 | $1,000,000.00 (matched co-funding) | 3 (Priority 1) |
| Monash University | Atheroma Progression in Clonal Haematopoiesis Investigation with Imaging, Biomarkers and Genomic Sequencing (ARCHIMEDES) | $996,384.68 | 6 (Stream 1, Topic A) |
| The University of Newcastle | Cardiovascular disease and cancer: identifying shared disease pathways and pharmacological management | $999,998.00 | 6 (Stream 1, Topic A) |
| University of New South Wales | Investigating Mechanisms of Alcohol-Induced Heart Disease | $999,995.60 | 6 (Stream 1, Topic A) |
| University of Sydney | REnal FactORs Modify HEART disease Study - REFORM HEARTS | $865,396.80 | 6 (Stream 1, Topic A) |
| University of Melbourne | Treating the impact of seizures on cardiac function to reduce death | $847,479.70 | 6 (Stream 1, Topic A) |
| University of Western Australia | Alloantibody in kidney transplant recipients: is this the missing link to reduce the risk of heart disease? (AN-INSPIRE STUDY) | $996,354.00 | 6 (Stream 1, Topic B) |
| University of Sydney | Non-invasive imaging of atherosclerotic plaque: quantification of disease activity for improved identification of patients with residual cardiovascular risk | $999,631.42 | 6 (Stream 1, Topic B) |
| The University of Adelaide | The Asialoglycoprotein Receptor 1 (ASGR1): a novel target for atherosclerosis | $999,989.20 | 6 (Stream 1, Topic B) |
| Macquarie University | Early Atrial fibrillation Screening for Indigenous people (EASI) | $574,883.90 | 6 (Stream 1, Topic D) |
| Deakin University | Early detection of insulin-resistance with a mixed meal challenge - The REFINE study | $1,498,740.60 | 7 (Stream 1, Topic A) |
| University of New South Wales | The Elusive Hearts Study: Using genomics to diagnose and manage inherited cardiovascular diseases | $1,499,286.00 | 7 (Stream 1, Topic A) |
| Queensland University of Technology | Clinical and health economics implications of routine CTCA for emergency department assessment of Aboriginal and Torres Strait Islander people at risk of acute coronary syndrome | $1,488,717.70 | 7 (Stream 1, Topic B) |
| University of Sydney | Evaluation of a Standardised ClinicAl Pathway to improve Equity and outcomes in Cardiogenic Shock (ESCAPE-CS) | $971,931.94 | 7 (Stream 1, Topic B) |
| The University of Newcastle | Increasing the capacity of Community Managed Organisations to provide preventive care to people with a mental health condition | $1,135,281.00 | 7 (Stream 1, Topic C) |
| Edith Cowan University | Investigating genetic and lifestyle determinants of abdominal aortic calcification, and their relationship with cardiovascular disease | $1,202,212.80 | 7 (Stream 1, Topic D) |
| **Implementation Plan Priority Area 1.2** |
| University of Sydney | An Australian Study of the Outcomes and Burden of Congenital Heart Disease | $3,994,175.00 | 1 |
| University of New South Wales | The SaltSwitch Online Grocery Shopping (OGS) Trial: Trialling a novel method for reducing blood pressure among individuals with hypertension | $1,687,990.14 | 2 (Priority 1) |
| Monash University | Statins and Progression of Coronary Atherosclerosis in Melanoma Patients Treated with Immune Checkpoint Inhibitors | $1,669,300.28 | 5 (Stream 1) |
| Monash University | Addressing the poor medication adherence in prevention of cardiovascular mortality and morbidity in Australia: development of a clinical decision support tool | $706,241.60 | 6 (Stream 2, Topic A) |
| University of Sydney | Identifying and addressing barriers and enablers to implementing best-practice cardiac rehabilitation: the Quality Improvement in Cardiac Rehabilitation (QUICR) Cluster-Randomised Controlled Trial | $894,507.20 | 6 (Stream 2, Topic A) |
| University of Sydney | Enhancing engagement with eHealth approaches to prevent cardiovascular disease among adolescents: The Triple E Project | $993,682.00 | 6 (Stream 2, Topic B) |
| University of Tasmania | Improving cardiovascular health through increased transport-related physical activity: A co-designed randomised controlled trial | $767,132.85 | 6 (Stream 2, Topic B) |
| Monash University | Love Your Brain: A stroke prevention digital platform | $944,787.90 | 6 (Stream 2, Topic B) |
| James Cook University  | Supervised Home Exercise for Peripheral Artery Disease | $999,999.71 | 6 (Stream 2, Topic B) |
| The University of Newcastle | Using existing digital infrastructure for the national scale-up of an effective school nutrition program to reduce population CVD risk | $997,350.60 | 6 (Stream 2, Topic B) |
| **Implementation Plan Priority Area 2.1** |
| National Heart Foundation of Australia | Cardio Oncology Strategic Grant:* Improving cardiovascular health for Aboriginal and Torres Strait Islander people with cancer
* Improving cardiovascular outcomes in patients who receive cardio-toxic cancer therapies
 | $1,000,000.00 (matched co-funding) | 3 (Priority 2) |
| National Heart Foundation of Australia | Women and Heart Disease Strategic Grant:* Improving screening and management of women with cardio-metabolic conditions during pregnancy
* Prevention of Heart Disease in Women with Non-traditional Risk Factors and High Calcium Scores
 | $1,000,000.00 (matched co-funding) | 3 (Priority 3) |
| National Stroke Foundation | The Australian Paediatric Acute Code Stroke (PACS) study | $4,000,000.00 | 4 |
| Monash University | Combining Novel Imaging Biomarkers with AI-Accelerated Diagnosis for Equitable Patient Selection To Proactive Treatment With Middle Meningeal Artery Embolisation To Improve Outcomes in cSDH | $999,865.70 | 6 (Stream 3, Topic A) |
| Queensland University of Technology | CTCA-POC: CT Coronary Angiography Inspired Point-of-Care Technology for Enhanced Diagnosis and Monitoring of Coronary Artery Disease | $999,995.90 | 6 (Stream 3, Topic A) |
| Flinders University | Impact of non-invasive coronary angiography on suspected acute coronary syndromes with low concentration troponin elevation | $999,542.50 | 6 (Stream 3, Topic A) |
| Menzies School of Health Research | Non Expert Acquisition and Remote Expert Review of Screening echocardiography images from Child health and AnteNatal clinics (NEARER SCAN) | $999,764.40 | 6 (Stream 3, Topic A) |
| University of Melbourne  | Use of Artificial Intelligence-Guided Echocardiography to Guide Cardiovascular Management in Rural and Remote Australia | $999,996.60 | 6 (Stream 3, Topic A) |
| Monash University | PRecision Ecmo in CardIogenic Shock Evaluation: PRECISE Study | $999,779.40 | 6 (Stream 3, Topic B) |
| James Cook University | Transforming clinical pathways for abdominal aortic aneurysm through use of blood and imaging biomarkers | $999,999.60 | 6 (Stream 3, Topic B) |
| University of Sydney | Beyond Country of Birth: Transforming approaches to quantifying ethnic inequalities in access to best care for CVD | $782,008.00 | 6 (Stream 3, Topic D) |
| Monash University | Using co-design to improve accessibility and acceptability of cardiac services for vulnerable populations: The Equal Hearts Study | $597,104.30 | 6 (Stream 3, Topic D) |
| **Implementation Plan Priority Area 2.2** |
| University of Queensland | Gene Expression to Predict Long-Term Outcome in Infants After Heart Surgery | $3,068,742.00 | 1 |
| University of Melbourne | A randomised controlled trial of ultra-early, minimally invasive surgery for intracerebral haemorrhage (EVACUATE) | $2,138,226.00 | 2 (Priority 2) |
| University of Queensland | Development of drugs to prevent ischemic injuries of the heart and brain | $1,499,560.20 | 5 (Stream 2) |
| University of New South Wales | Development of novel, clinically viable strategies for reducing cardiac damage and preventing future events in myocardial infarction (MI) survivors by targeting inflammation | $2,849,891.71 | 5 (Stream 2) |
| University of Sydney | LesioLogic | $1,102,873.15 | 5 (Stream 2) |
| University of Sydney | Safety and Tolerability of AZD6482 in Reperfusion for Stroke (STARS) | $2,706,533.13 | 5 (Stream 2) |
| University of Newcastle | Stroke in patients with large Ischaemic Core: Assessment of Reperfusion therapy Impact on Outcome (SICARIO) | $1,515,113.87 | 5 (Stream 2) |
| University of Adelaide | The SPRINTS Project: Stroke – Prevention of Reperfusion Injury and Neuroinflammation – a Therapeutic Strategy | $2,563,915.78 | 5 (Stream 2) |
| James Cook University | ACTIVATION OF AMPK TO TREAT ABDOMINAL AORTIC ANEURYSM (5As) | $1,044,836.20 | 7 (Stream 2) |
| Monash University | Advancing preclinical development of novel GPCR-targeted therapeutics for heart failure | $1,496,862.61 | 7 (Stream 2) |
| University of Sydney | Clinical imaging inspired point-of-care microtechnology for enhanced diagnosis and monitoring of recurrent stroke | $1,199,996.00 | 7 (Stream 2) |
| University of Sydney | Gap Junction Modulation: A Novel Molecular Target in the Management of Ventricular Arrhythmia in Ischaemic Cardiomyopathy | $1,104,168.00 | 7 (Stream 2) |
| Baker Heart and Diabetes Institute | Novel, targeted therapies for heart failure with preserved ejection fraction | $998,334.81 | 7 (Stream 2) |
| University of Sydney | Replenishing enzymatic cofactor NAD+ in Heart Failure: Rescuing an engine out of fuel | $1,499,523.00 | 7 (Stream 2) |
| **Implementation Plan Priority Area 3.1** |
| Queensland University of Technology | CHD LIFE+ family-centred care models supporting long-term neurodevelopment | $2,997,256.00 | 1 |
| University of Sydney | Congenital Heart Fitness Intervention Trial: CH-FIT | $3,328,569.00 | 1 |
| University of Sydney | Personalised Pulmonary Valved Conduits: reducing re-operations in CHD | $2,081,761.00 | 1 |
| University of Sydney | Colchicine After Stroke to Prevent Event Recurrence (CASPER) Study | $2,997,908.45 | 2 (Priority 3) |
| University of New South Wales | Total Cardiac Care - STROKE: A randomised controlled trial of a comprehensive smartphone application-centric model of care to improve outcomes in stroke patients | $1,629,905.00 | 2 (Priority 3) |
| University of Canberra | A very brief intervention for physical activity behaviour change in cardiac rehabilitation: the ‘Measure It!’ trial | $510,069.60 | 6 (Stream 4, Topic A) |
| The University of Adelaide | Next Generation Precision Health Platform to support Atrial Fibrillation Management | $791,555.40 | 6 (Stream 4, Topic A) |
| University of Western Australia | Towards Remote Patient Monitoring of Heart Failure Using Event-driven AI Systems | $583,551.20 | 6 (Stream 4, Topic A) |
| Flinders University  | Yolŋu Heart Health for Life: Person-centred, co-designed and student-assisted cardiac rehabilitation in East Arnhem Land | $633,589.00 | 6 (Stream 4, Topic B) |
| The University of Queensland | The Right Treatment for the Right Person at the Right Time. Driving High-Value Aphasia Care through Meaningful Health System Monitoring | $451,221.00 | 6 (Stream 4, Topic C) |
| University of Melbourne | Impact of Total Arterial Revascularisation in Coronary Artery Surgery on cardiovascular, cerebrovascular and multiorgan outcomes - an RCT (TA Trial) | $4,958,416.40 | 7 (Stream 3) |
| University of Melbourne | Post-thrombectomy intra-arterial tenecteplase for Acute manaGement of Non-retrievable thrombus and no-reflow in Emergent Stroke (EXTEND-AGNES TNK) | $3,885,163.16 | 7 (Stream 3) |
| **Implementation Plan Priority Area 3.2** |
| Monash University | Discovery of new molecular targets for stroke-associated pneumonia to improve recovery | $663,217.60 | 6 (Stream 5, Topic A) |
| University of Sydney | Discovery of new platelet targets to improve the management of coronary artery disease | $659,293.00 | 6 (Stream 5, Topic A) |
| Monash University | Improving short- and long-term outcomes in cardiac bypass surgery by preventing acute kidney injury | $511,208.00 | 6 (Stream 5, Topic A) |
| Baker Heart and Diabetes Institute | Novel targeted anti-inflammatory and anti-thrombotic mRNA therapies: Establishing innovative technologies to combat cardiovascular diseases | $689,854.82 | 6 (Stream 5, Topic A) |
| Flinders University | Real-time measurement of renewal rate constants in pulsed field ablation of atrial fibrillation | $604,305.60 | 6 (Stream 5, Topic B) |
| St Vincent's Institute of Medical Research | Sustained delivery of stem cell secretome for cardiac repair | $958,504.12 | 6 (Stream 5, Topic B) |
| University of Melbourne | Targeting no-reflow to augment tissue salvage in stroke | $999,978.19 | 6 (Stream 5, Topic B) |
| University of South Australia | The feasibility and potential of a novel robotic gait bioprosthesis for people with severe gait impairment poststroke. | $513,102.80 | 6 (Stream 5, Topic B) |
| University of Melbourne | Translating novel mechanism-guided therapeutics to improve functional recovery of the brain and kidneys after open-heart surgery | $998,224.25 | 6 (Stream 5, Topic B) |
| University of New South Wales | Developing a holistic machine learning based rapid response system and end of life care system in preventing cardiac arrests and preventable deaths and improving end of life care in acute hospitals | $700,583.20 | 6 (Stream 5, Topic C) |
| University of New South Wales | Outcome PredicTion in IntraCerebral haemorrhage Study (OPTICS) with machine learning | $404,190.00 | 6 (Stream 5, Topic C) |
| **Implementation Plan Priority Area 3.3** |
| National Heart Foundation of Australia | Secondary Prevention Strategic Grant:* A program to reduce adverse events and improve quality of life of people with blocked leg arteries
* Assisted self-management to prevent new life-threatening events for all in need after a heart attack
 | $1,000,000.00 (matched co-funding) | 3 (Priority 4) |
| University of New South Wales | CardiacAI: Deep learning to predict and prevent secondary cardiovascular events | $544,978.65 | 5 (Stream 3, Topic A) |
| Monash University | ECMO-Rehab: A Randomised Controlled Trial of Early Cardiac Rehabilitation to Improve Survival and Recovery in Critically-ill Patients on ECMO | $662,648.57 | 5 (Stream 3, Topic A) |
| Monash University | New models of rehabilitation to improve work and health outcomes after stroke | $999,056.20 | 5 (Stream 3, Topic A) |
| University of Melbourne | REACHING FOR YOUR WORDS: A Phase IIa umbrella trial of integrated UPper limb & Language Impairment and Functional Training (UPLIFT) after stroke. | $992,634.36 | 5 (Stream 3, Topic A) |
| University of Sydney | Digital solutions for heart failure best practice care | $936,836.88 | 5 (Stream 3, Topic C) |
| University of Melbourne | Improving life after stroke with tailored support: Innovation in use of national registry data | $505,704.36 | 5 (Stream 3, Topic C) |
| University of Sydney | Guardian Angel: Implementation of a peer support program for people with heart disease | $655,522.17 | 5 (Stream 3, Topic D) |
| The University of Queensland | Measuring, Monitoring, and Motivating Adherence to Self-Managed Aphasia Treatment | $388,521.10 | 5 (Stream 3, Topic D) |
| The University of Newcastle | Yarning up After Stroke | $485,061.66 | 5 (Stream 3, Topic E) |