

(a) Application Number	(b) Title of Application	(c) Scheme	(d) Date received by Minister	(e) Whether grant approved by Minister	(f) Date of Minister's decision	(g) Date applicant informed of outcome	(h) Grant Amount	(i) Public announcement and date
LE230100005	Dual-comb Hyperspectral Imaging Facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$852,787	16/11/2022
LE230100008	Real-time mass spectrometry for advanced aerosol chemical characterisation	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$831,200	16/11/2022
LE230100018	A customized surface chemistry study system in realistic working condition	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$2,206,421	16/11/2022
LE230100019	National Facility for Performance Characterisation of Infrared Technologies	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$690,000	16/11/2022
LE230100024	A cryogenic multifunctional multiscale material characterisation facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$909,754	16/11/2022
LE230100034	A Reconfigurable Neuromorphic Compute System for Brain-Scale Simulations	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,465,519	16/11/2022
LE230100038	Coastal Bathymetry with Advanced Technologies (CoastBAT)	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$387,250	16/11/2022
LE230100039	Towards a Green and Sustainable Energy-efficient Metaverse	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$440,145	16/11/2022
LE230100044	Australian Membership of the International Ocean Discovery Program 2023-24	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$4,378,196	16/11/2022
LE230100045	Versatile Physical Property Measurement System for South-East Queensland	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$586,779	16/11/2022
LE230100048	High-Resolution Electron Paramagnetic Resonance Imaging and Spectroscopy	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$570,702	16/11/2022
LE230100051	Photonic Computing Architecture Validator	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$545,000	16/11/2022
LE230100052	Comprehensive and Versatile In-house X-ray Absorption Spectroscopy Facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$549,859	16/11/2022
LE230100057	Hot Properties: Thermal Analysis Equipment for Western Australia	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$783,000	16/11/2022
LE230100058	National Facility for Electricity Grid Security and Resilience Research	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$400,000	16/11/2022
LE230100063	Explosive Astrophysics from Siding Spring Observatory	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$595,295	16/11/2022
LE230100065	Facility for growth and characterisation of advanced materials and devices	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,310,536	16/11/2022
LE230100066	Transforming the Zadko Observatory into a Space Surveillance Hub	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$280,000	16/11/2022

LE230100069	The International Digital Policy Observatory	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$215,000	16/11/2022
LE230100070	Integrated high-throughput material synthesis and characterisation system	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$740,700	16/11/2022
LE230100078	Ultra-High Resolution 3D Printing of Micron-Sized Structures and Voids	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$731,584	16/11/2022
LE230100079	Time Layered Cultural Map of Australia: Advanced Techniques and Big Data	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$472,543	16/11/2022
LE230100085	Enabling the future of the Australian collider physics program	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$2,827,000	16/11/2022
LE230100090	A multifaceted technology platform to enhance single cell genomics	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$682,792	16/11/2022
LE230100091	Radiochemistry Facility for Biomolecule Characterisation in Living Systems	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,001,827	16/11/2022
LE230100099	Cryo correlative Focused Ion Beam, a new frontier in structural biology	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$685,000	16/11/2022
LE230100107	A multi-environment phenotyping site for biotech plants	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,042,177	16/11/2022
LE230100112	Expanded Horizons for the Anglo-Australian Telescope	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$758,689	16/11/2022
LE230100113	Cryogenic Near-Field Imaging and Spectroscopy Facility at the 10-nm-Scale	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$970,000	16/11/2022
LE230100121	High performance chalcogenide processing addressing grand challenges	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$500,000	16/11/2022
LE230100122	Adaptive Optics for Advanced Gravitational Wave Detectors	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$460,000	16/11/2022
LE230100125	I can see clearly now: An Ion Mobility Mass Spectrometry Imaging facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$682,749	16/11/2022
LE230100128	Enhancing Australian biodiversity molecule generation, storage and access.	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,078,770	16/11/2022
LE230100129	Integrated facility for underground hydrogen storage research	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,929,000	16/11/2022
LE230100145	Nanocrystal Electron Diffraction Facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,129,423	16/11/2022
LE230100147	Free Float or support free: a new generation metal 3D printing facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$450,294	16/11/2022
LE230100150	Whole-head optically-pumped room-temperature magnetoencephalography	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$930,213	16/11/2022
LE230100153	High-Precision Mass Spectrometry Imaging Facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$984,000	16/11/2022

LE230100156	Integrated Crystallisation Facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$390,195	16/11/2022
LE230100157	Bioprinting and advanced visualisation of novel 3D model systems	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$1,009,078	16/11/2022
LE230100159	Digitising the Drafting of the Australian Constitution	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$319,046	16/11/2022
LE230100167	4D Tomographic Particle Image Velocimetry for Multiphase Flow Measurement	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$393,481	16/11/2022
LE230100168	Materials for Sustainability Analysis Facility	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$620,000	16/11/2022
LE230100179	Environmental Scanning Electron Microscope for High Temperature Analysis	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$495,500	16/11/2022
LE230100180	Single cell sequencing facility at James Cook University	Linkage Infrastructure, Equipment and Facilities	09/11/2022	Approved	14/11/2022	16/11/2022	\$234,438	16/11/2022
DP230100001	Populism's Heartlands: Place, Identity, and Localism in Populist Politics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$312,265	24/11/2022
DP230100002	Pair bonding: is it all in the brain?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$551,771	24/11/2022
DP230100006	Action selection in insects: how a microbrain knows what to do	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$591,950	24/11/2022
DP230100018	Fire engineering of prefabricated structural systems of modular buildings	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$520,020	24/11/2022
DP230100019	A novel platform-technology for long-term subcutaneous neurophysiology	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$372,150	24/11/2022
DP230100025	New mathematical approaches to learn the equations of life from noisy data	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$586,000	24/11/2022
DP230100033	Megalithic Connections: Imperilled Cultural Heritage in Laos and India.	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$513,598	24/11/2022
DP230100040	Beyond Directional Motivated Reasoning: Social Identity and Partisan Truth	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$668,696	24/11/2022
DP230100041	Teacher attraction and retention in hard-to-staff schools	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$353,950	24/11/2022
DP230100047	Infrastructure on reactive soils: fundamental advances and validation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100048	The secret of tiny hand movements to feel and manipulate objects	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$418,703	24/11/2022
DP230100051	Counting the Electrons: Nickel Catalysed Electrochemical C-H Activation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$589,000	24/11/2022
DP230100078	Sex is important in adaptation to environmental change	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$348,364	24/11/2022

DP230100079	Non-Canonical Amino Acids for Protein Analysis and Peptide Inhibitors	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$740,445	24/11/2022
DP230100081	Driving Towards Greener and Safer Roads using Big Spatiotemporal Data	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$350,000	24/11/2022
DP230100092	Neurochemical predictors of cognition and the impact of brain stimulation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$667,244	24/11/2022
DP230100107	Understanding vicarious trauma in Australian foster care	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$175,410	24/11/2022
DP230100110	Impact of teacher shortages on teachers remaining in hard to staff schools	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$453,300	24/11/2022
DP230100112	Advancing the chemistry of rare earths - an Australian resource	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$513,000	24/11/2022
DP230100126	A novel whole-process analysis method for fractured rock slopes	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$532,000	24/11/2022
DP230100127	Defining how inter-bacterial symbioses regulate aquatic ecosystem health	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$555,846	24/11/2022
DP230100135	Identifying how cortical bone microstructure deteriorates with age	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$599,000	24/11/2022
DP230100139	Switching, sensing and multifunctionality in spin crossover materials	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$410,000	24/11/2022
DP230100147	Mitigating bias in statistical analyses of data collected over time	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$425,000	24/11/2022
DP230100148	Hello, Mr America: Americans on R&R Leave in Australia in the Vietnam War	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$151,000	24/11/2022
DP230100152	Early desert settlement of Arabia following out-of-Africa human dispersals	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$347,437	24/11/2022
DP230100153	Intelligent pattern recognition of water end uses enabling recommendations	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$418,740	24/11/2022
DP230100154	Carbon in a Bubble: Cavitation in Ionic Liquids	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$430,000	24/11/2022
DP230100162	Contact Networks, Immunity, and Evolution in Competing Cancer Epidemics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$387,788	24/11/2022
DP230100170	Resonant tender X-ray scattering of organic semiconductors	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$411,000	24/11/2022
DP230100175	Boosting C4 photosynthesis to climate proof crop yields	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$482,066	24/11/2022
DP230100183	Metallic materials with combined chemical and structural heterogeneities	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$440,520	24/11/2022
DP230100186	Site-specific protein functionalisation at diselenides via photocatalysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$537,000	24/11/2022

DP230100188	Finding friendship in early English literature	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$249,088	24/11/2022
DP230100190	Self-assembled supramolecular cages for guest binding and catalysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$379,997	24/11/2022
DP230100198	Enabling High-performance Layered Oxide Sodium-Ion Battery Cathodes	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$398,530	24/11/2022
DP230100204	Living with Smallpox in Early Modern Britain (c.1580–1780 CE)	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$182,598	24/11/2022
DP230100207	Nature's advanced optical materials and their role in thermal management	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$529,373	24/11/2022
DP230100209	Feedback literacy for effective learning at university and beyond	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$382,670	24/11/2022
DP230100210	Resolving the threat of ocean deoxygenation to coral resilience	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$611,798	24/11/2022
DP230100215	Boron Nitrogen Isostere-Doped Organometallics for Molecular Electronics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$425,000	24/11/2022
DP230100226	Eruption dynamics and tsunami potential from submarine volcanoes	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$475,000	24/11/2022
DP230100231	New carbon phases synthesized under extreme conditions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$592,000	24/11/2022
DP230100233	Towards Generalisable and Unbiased Dynamic Recommender Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100238	A novel ion-selective membrane for efficient lithium recovery	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$426,400	24/11/2022
DP230100239	Leveraging Emotion Goals for Emotion Regulation Success	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$268,534	24/11/2022
DP230100241	Sexualised Deepfakes: Predictors, Consequences, Responses and Prevention	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$272,025	24/11/2022
DP230100245	The sociology of health data for sexuality and gender diverse people	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$375,591	24/11/2022
DP230100246	Deep Learning Attacks and Active Defences: A Cybersecurity Perspective	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$482,610	24/11/2022
DP230100248	Monitoring Desalination Membrane Fouling using Sodium Magnetic Resonance	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100257	Civilisationist Mobilisation, Digital Technologies and Social Cohesion	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$453,538	24/11/2022
DP230100260	Scalable Stream Processing in Hybrid Edge-Cloud Infrastructures	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100262	A New Spin on Liquid Hydrogen: Controlled Cold Energy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$605,000	24/11/2022

DP230100265	Youth, religion and sexuality: digital media, school cultures, exemptions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$238,907	24/11/2022
DP230100267	The Inception of Criminal Deportation in Colonial Australia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$209,744	24/11/2022
DP230100270	Cracking the code of snails to elucidate parasite disease transmission	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$499,338	24/11/2022
DP230100276	Heavy Metal Chemistry Goes Nuclear: Radioactive Rhenium and Terbium Agents	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$429,526	24/11/2022
DP230100277	Measuring the seismic pulse of the Earth using fibre optics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$349,000	24/11/2022
DP230100282	Early career teacher induction: Supporting precarious teachers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$371,000	24/11/2022
DP230100288	Young People with Disability & Young Carers: Opportunities & Contributions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$386,000	24/11/2022
DP230100290	A Unified Theory of 'If's	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$330,000	24/11/2022
DP230100296	How are plants responding to damage by oxidizing air pollutants?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$389,000	24/11/2022
DP230100300	Pyroptotic macrophages posthumously sculpt immune responses	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$570,250	24/11/2022
DP230100301	Expanding the Foundation of Planetary Science	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$616,000	24/11/2022
DP230100303	Enhancing sensory perception and balance control in HMD-based VR	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$259,000	24/11/2022
DP230100305	Sequence-Defined Polymers with Optical Information Readout	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$454,802	24/11/2022
DP230100307	Smart foliage: imparting intelligence to synthetic leaves	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$250,000	24/11/2022
DP230100323	Reading the past to predict future biodiversity: a deep-time perspective	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$442,000	24/11/2022
DP230100328	Spatial intervention: An enduring model to build mathematics achievement	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$344,687	24/11/2022
DP230100331	Well-being and Productivity in Metricised Employee Performance Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$320,000	24/11/2022
DP230100336	Robots as a Social Group: Implications for Human-Robot Interaction	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$320,000	24/11/2022
DP230100344	Local Remembering and National Forgetting: Memory Politics in Modern China	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$180,000	24/11/2022
DP230100372	The Social Life of Death	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$615,000	24/11/2022

DP230100379	Glucocorticoid receptor- α 1 modulates stress and inflammation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$478,327	24/11/2022
DP230100380	Mathematical models to connect experiments across biological scales	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$477,000	24/11/2022
DP230100390	Modelling, Design and Development of a Novel Wave-Energy Converter	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$495,000	24/11/2022
DP230100393	Adrenomedullin: a specific regulator of venous vessel integrity	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$673,490	24/11/2022
DP230100406	Understanding the mechanisms that inhibit and promote biofilm expansion	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$441,000	24/11/2022
DP230100408	Creating coolspots: eco-engineering heat-resistant intertidal communities	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$395,375	24/11/2022
DP230100415	Advances in Peptide Synthesis: Exploiting Underutilised Functional Groups	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$424,590	24/11/2022
DP230100429	Solid-State Battery Interface Design (SS-BID)	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$485,000	24/11/2022
DP230100434	A Functional Analysis of the Hypoelliptic Laplacian	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$415,000	24/11/2022
DP230100440	Dispersing myths; Characterising human migration through Asia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$452,748	24/11/2022
DP230100442	A longitudinal enquiry into Chinese women graduates' post-study experience	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$216,068	24/11/2022
DP230100445	Microspheres from (Sun)Light – A Sustainable Materials Platform	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$322,000	24/11/2022
DP230100460	Safety and robustness of tall timber buildings under extreme dynamic events	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$332,633	24/11/2022
DP230100462	Locally structured polar-photofunctional materials for energy conversion	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$466,114	24/11/2022
DP230100464	Voices of Regional Australia: The linguistic patterning of local attachment	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$349,818	24/11/2022
DP230100479	High shear fluid flow driving carbon foundry for advanced manufacturing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$590,136	24/11/2022
DP230100485	Unpacking the immune system with applied mathematics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$423,000	24/11/2022
DP230100495	Biosynthetic Hooks for an Enigmatic Marine Toxin	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$630,000	24/11/2022
DP230100497	Mapping climate change vulnerability of older Australians to extreme heat	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$461,134	24/11/2022
DP230100498	The Great Disruption of COVID-19: Re-imagining the work-family interface	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$220,000	24/11/2022

DP230100499	Singularity and regularity for Monge-Ampere type equations	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$403,300	24/11/2022
DP230100504	Migration-Dependent Signalling in Macrophages	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$640,000	24/11/2022
DP230100505	Understanding multi-scale dynamics of eddies in the East Australian Current	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$693,000	24/11/2022
DP230100522	Rethinking collaborative federalism in Australian schooling policy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$235,300	24/11/2022
DP230100529	The impact of leader financial rewards on work group functioning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$230,000	24/11/2022
DP230100530	Pseudorandomness in Number Theory, Dynamics and Cryptography	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$427,000	24/11/2022
DP230100534	Ubiquity of Kloosterman sums in Number Theory and Beyond	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$389,000	24/11/2022
DP230100538	Australian Spirituality: Wellness, Wellbeing and Risks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,790	24/11/2022
DP230100542	Diamane: A New Frontier in Materials Science	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$364,430	24/11/2022
DP230100548	Multilayer Graphene Based Anti-Corrosion Polymer Coated Structures	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$532,125	24/11/2022
DP230100552	The functional architecture of a unique family of lipid droplet proteins	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$652,000	24/11/2022
DP230100555	Gas-enriched slippery surfaces	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$432,307	24/11/2022
DP230100556	Resolving surface nanobubbles as cavitation nuclei	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$407,907	24/11/2022
DP230100558	Rare earth-free high-performance magnets	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$449,492	24/11/2022
DP230100566	Eviction: How private renters lose their homes and the consequences	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$317,000	24/11/2022
DP230100568	Roads to the Future: Infrastructure and the New Development in Africa	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$603,010	24/11/2022
DP230100572	Solar rechargeable Zinc-Bromine Flow Batteries	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$409,805	24/11/2022
DP230100577	The evolution of human innovation in an arid biodiversity hotspot	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$550,107	24/11/2022
DP230100585	Redesigning workers' compensation using participatory systems modelling	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$574,000	24/11/2022
DP230100587	Unusual trisulfide chemistry	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,186	24/11/2022

DP230100590	A peptide platform to fight pests threatening global food security	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$650,000	24/11/2022
DP230100594	Invisible labour: Principals' emotional labour in volatile times	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$384,332	24/11/2022
DP230100596	Metal-on-Metal Single Atom Catalysts	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$441,000	24/11/2022
DP230100603	Intelligent Reflecting Surface-enabled High-speed 6G Wireless Networks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$481,000	24/11/2022
DP230100605	Architectural Design Across Spaces and Cultures: Technology and Language	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$310,421	24/11/2022
DP230100609	Structural and molecular studies of endocrine disruption in Australia fauna	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$563,171	24/11/2022
DP230100613	A Universal Power Law for Growth and Diversity of Dinosaur and Bird Beaks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$467,058	24/11/2022
DP230100617	Seeing the light: high-power visible-light generation using silicate fibre	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$524,000	24/11/2022
DP230100618	Improving water quality modelling by better understanding solute transport	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$570,000	24/11/2022
DP230100621	Photoelectrode design for solar driven methane to methanol conversion	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$530,740	24/11/2022
DP230100630	Preventing Water Theft in the Murray-Darling Basin	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$335,534	24/11/2022
DP230100637	A New Nano Tip Fabrication Technique for Atomic Force Microscopy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$560,000	24/11/2022
DP230100639	Cloud-climate interaction over the Great Barrier Reef and Southwest Pacific	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$378,000	24/11/2022
DP230100642	Folding polymers for high-performance energy storage	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$389,349	24/11/2022
DP230100651	Custom Computing for DNA Analysis of Third Generation Sequencers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$439,110	24/11/2022
DP230100654	Braid groups via representation theory and machine learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$382,000	24/11/2022
DP230100657	Determining the links between size and function in phytoplankton	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$392,000	24/11/2022
DP230100674	Transformative simulation techniques for complex polymer networks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$412,000	24/11/2022
DP230100675	Cell-fluid interaction: inside and outside cells	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$565,000	24/11/2022
DP230100676	Trust-Oriented Data Analytics in Online Social Networks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,000	24/11/2022

DP230100678	Modernise geotechnical investigation and analysis with machine learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100679	Smart materials for atmospheric water management and water harvesting	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$418,000	24/11/2022
DP230100685	Efficient and selective water electrolysis for clean energy and environment	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$423,957	24/11/2022
DP230100688	Creating pH-sensitive self-healing concrete using sludge waste for sewers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$501,504	24/11/2022
DP230100701	Every Day Matters: Reducing School Non-Attendance in Autistic Students	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$331,885	24/11/2022
DP230100702	Sustainable fiscal federalism and reform of the GST distribution system	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$194,807	24/11/2022
DP230100704	Re-Theorising Employee Voice in Times of Change	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$232,458	24/11/2022
DP230100709	Surface ligation of nanomaterials for biomedical applications	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$396,015	24/11/2022
DP230100714	Policy for self-determination: the case study of ATSIC	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$1,400,000	24/11/2022
DP230100716	Knowledge Graph-driven Software Vulnerability Risk Discovery and Assessment	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100721	A Biologically Responsive and Anatomically Authentic Human Nasal Model	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$501,180	24/11/2022
DP230100727	The Dark-side of the Milky Way	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$432,000	24/11/2022
DP230100728	Tuning the activating stimulus of voltage-gated sodium channels	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$474,207	24/11/2022
DP230100731	Evolution of sensory systems in the dark biosphere	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$426,591	24/11/2022
DP230100747	Sperm ciliary gating and midpiece formation – a novel player and process	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$616,065	24/11/2022
DP230100749	Energy dissipation characterisation in dynamic brittle fracture	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$427,820	24/11/2022
DP230100759	Remembering to remember: Prospective memory function in everyday life	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$499,947	24/11/2022
DP230100764	Zooplankton and ocean productivity in a changing climate	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$411,554	24/11/2022
DP230100769	Asgard archaea: the first eukaryotic cells?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$604,482	24/11/2022
DP230100773	Horizontal ecological networks for understanding biodiversity maintenance	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$609,000	24/11/2022

DP230100780	Understanding the emerging threat of conspiracy-fuelled extremism	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$454,196	24/11/2022
DP230100796	Co-designing and co-evaluating technology experiences in residential care	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$486,486	24/11/2022
DP230100801	Stability Analysis of Power System with Massive Power Electronic Devices	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,000	24/11/2022
DP230100806	Real-time bridge performance evaluation based on crowdsourcing and learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$360,000	24/11/2022
DP230100810	Pyruvate provision for mitochondrial respiration in plants	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$469,999	24/11/2022
DP230100816	Domestic Politics, States & the Guiding Principles: Insights from Indonesia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$290,322	24/11/2022
DP230100823	Liquid metal composite tactile sensor	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$478,416	24/11/2022
DP230100853	How do apicomplexan parasites steal amino acids from their hosts?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$862,272	24/11/2022
DP230100864	Australian Parliamentary Speech: How Deliberative? How Representative?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$287,146	24/11/2022
DP230100870	Addressing Online Hostility in Australian Digital Cultures	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$443,537	24/11/2022
DP230100875	Archiving Social Movements & Building Historical Literacy for a Digital Age	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$343,268	24/11/2022
DP230100878	Ultra-Fast and Secure Terahertz Communications for 6G Wireless Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,000	24/11/2022
DP230100885	Novel mechanisms by which retinal microglia regulate vascular development	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$590,000	24/11/2022
DP230100899	New Graph Mining Technologies to Enable Timely Exploration of Social Events	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$380,610	24/11/2022
DP230100905	Stochastic majorization--minimization algorithms for data science	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$360,000	24/11/2022
DP230100906	The cost of keeping gruesome images from the world	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$305,304	24/11/2022
DP230100927	Using AI to reveal the true extent & context of alcohol exposure in videos	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$310,000	24/11/2022
DP230100941	Genome evolution & adaptation of the multinuclear wheat stripe rust fungus	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$448,456	24/11/2022
DP230100948	Survival & Wellbeing among Migrant Precariat in Australia's Gig Economy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$404,000	24/11/2022
DP230100949	Brain-skull interface: discovering the missing piece of head biomechanics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$565,000	24/11/2022

DP230100959	Nowcasting and Interpreting the Australian Economy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$407,107	24/11/2022
DP230100962	High-value horticulture and global production networks in coastal Australia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$561,272	24/11/2022
DP230100966	Tackling Crystal Methamphetamine Supply in Rural and Regional Australia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$374,586	24/11/2022
DP230100967	Taking control: variations in forced psychiatric treatment in the community	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$648,164	24/11/2022
DP230100983	Break the deadlock in corrosion research to prevent infrastructure collapse	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$351,783	24/11/2022
DP230100991	Efficient and secure data integrity auditing on cloud	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$481,610	24/11/2022
DP230100995	Fundamental research advancing remanufacturing with a 3D printing technique	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$490,000	24/11/2022
DP230101013	Valuing Torres Strait Knowledge through Sustainable Digital Returns	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$801,068	24/11/2022
DP230101014	Robust Data-Driven Control for Safety-Critical Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$430,000	24/11/2022
DP230101022	Engaging Outsiders in Sport: Transforming Sport Event Legacy Planning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$337,648	24/11/2022
DP230101028	Space for Australia on the periodic table: creating new superheavy elements	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$661,858	24/11/2022
DP230101031	The impact of copper on protein turnover	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$597,900	24/11/2022
DP230101039	Uncovering an evolutionary advanced mechanism of gene expression control	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$772,621	24/11/2022
DP230101040	Bioinspired Nanoionic Materials for Watt-scale Nano-Hydroelectric Generator	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$516,000	24/11/2022
DP230101045	Remodelling encapsulin nanocages to help enhance plant carbon fixation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$691,716	24/11/2022
DP230101050	"Painting" the 3D proteome: folding, conformation and interactions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$543,594	24/11/2022
DP230101051	Challenging colonialism: Australians who helped us embrace human equality	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$97,767	24/11/2022
DP230101053	Effects of offshored advanced manufacturing on productivity, and growth	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$324,861	24/11/2022
DP230101054	Wealth Inequality in Australia: Sources and Solutions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$613,000	24/11/2022
DP230101055	Relativistic Particles in Star-Forming Galaxies	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$372,000	24/11/2022

DP230101056	Formation and clearance of endothelial cell-derived exophers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$390,890	24/11/2022
DP230101057	The first English speakers in their own words	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$122,540	24/11/2022
DP230101058	Violation of fundamental symmetries in atoms, molecules and nuclei	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$365,820	24/11/2022
DP230101061	Romanticism and the Poetics of First World War Literature	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$185,844	24/11/2022
DP230101063	In-situ grain boundary engineering via metal additive manufacturing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$421,760	24/11/2022
DP230101068	Understanding uterine contractility for reducing newborn lamb mortality	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$537,030	24/11/2022
DP230101080	Elder Abuse: A Longitudinal Prospective Study of Perpetrators and Victims	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$775,000	24/11/2022
DP230101107	Accelerated Finite-time Learning and Control in Cyber-Physical Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$470,740	24/11/2022
DP230101111	Using genetic Allee effects to manage invasive populations	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$590,000	24/11/2022
DP230101113	Biophysics of the brain's waste disposal system: Understanding why we sleep	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$385,000	24/11/2022
DP230101122	Build competency aware and assuring machine learning systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,000	24/11/2022
DP230101133	Structural safety guidelines for accidental hydrogen explosion hazards	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$388,816	24/11/2022
DP230101142	Extracting subtle hints for new phenomena at the Large Hadron Collider	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$310,000	24/11/2022
DP230101145	Beyond the resource curse: redistribution and resource-led development	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$314,642	24/11/2022
DP230101148	All in the family: understanding a new class of bacterial toxins	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$673,293	24/11/2022
DP230101152	Degradation mechanisms of structural composites under extreme weather	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$302,100	24/11/2022
DP230101156	Regulation of lung immune-epithelial networks sensing environmental change	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$702,705	24/11/2022
DP230101171	Global integration of microbial community and climate data	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$374,079	24/11/2022
DP230101176	Exploiting Geometries of Learning for Fast, Adaptive and Robust AI	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,000	24/11/2022
DP230101179	Technology-Driven and Scalable Regression Methodology, Computing and Theory	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$353,479	24/11/2022

DP230101184	Automatic detection and modelling of acoustic markers of speech timing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$409,290	24/11/2022
DP230101190	Carboxylate exudation and phosphorus acquisition in eucalypts	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$520,088	24/11/2022
DP230101196	Responsible modelling respecting privacy, data quality, and green computing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$485,000	24/11/2022
DP230101204	Hybrid Toughening of Carbon Fibre Composites for Liquid Hydrogen Storage	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$478,000	24/11/2022
DP230101205	Regional resilience to economic shocks: Australia's COVID Economic slowdown	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$347,120	24/11/2022
DP230101206	Pseudo grains and adaptiveness in the Eastern Himalayas	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$379,876	24/11/2022
DP230101228	Making Strong Alloys Ductile and Hydrogen-Tolerant via Tuning Nanogradients	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$530,000	24/11/2022
DP230101234	Understanding the role of digital technologies in addressing loneliness	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$436,484	24/11/2022
DP230101240	Ensemble modelling of space-weather drivers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$500,000	24/11/2022
DP230101248	Sex Differences in Trait Associations & Shapes: Analysis beyond Average	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,909	24/11/2022
DP230101253	Novel source of excited metastable atoms for Atom Trap Trace Analysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$532,842	24/11/2022
DP230101261	Mitochondrial incompatibility, speciation, and the Z sex chromosome	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$237,980	24/11/2022
DP230101268	Symmetry: Groups, Graphs, Number Fields and Loops	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$368,000	24/11/2022
DP230101273	Human use of early tropical forest ecosystems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$582,031	24/11/2022
DP230101280	A systemic environmental impact metric for companies and investors	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$490,635	24/11/2022
DP230101282	Supporting dynamic multidimensional entrepreneurial resilience in Australia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$173,936	24/11/2022
DP230101312	Engineering nanomembranes for Long-term Implanted Flexible Electronics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$430,000	24/11/2022
DP230101313	Building A Better Built Environment for Older Australian's Ageing-in-place	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$345,483	24/11/2022
DP230101322	Optimising Industry-led Regulation for the Digital Platforms Era	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$386,451	24/11/2022
DP230101327	Dark-field: A new kind of x-ray imaging	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$476,000	24/11/2022

DP230101331	Visualising Retinal Microglia as a Window into Brain Inflammation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$320,000	24/11/2022
DP230101335	The Ethics of Net Zero	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$302,110	24/11/2022
DP230101340	A novel microbial process breaking through the nitrogen cycling	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$406,170	24/11/2022
DP230101348	Cartoon Nation: Australian Editorial Cartooning - Past, Present, and Future	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$545,925	24/11/2022
DP230101350	Labour Market and Health Dynamics of Australia's Front Line Workers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$567,988	24/11/2022
DP230101352	Identification of causal variants for complex traits	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$541,818	24/11/2022
DP230101357	Using acoustic retroreflection in architecture to improve rooms for speech	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$435,000	24/11/2022
DP230101367	3D Hypersonic Shock-Turbulent-Boundary-Layer Interactions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$445,000	24/11/2022
DP230101368	Using animal-borne sensors to unravel East Antarctic coastal productivity	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$807,639	24/11/2022
DP230101369	3D Bipolar Electroactive Architectures for Wireless BioStimulation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$488,000	24/11/2022
DP230101377	Ultrathin Gold Nanocrystal Conductors for Wearable Epidermal Biofuel Cells	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$492,715	24/11/2022
DP230101395	Biomolecular condensates in mRNA-regulation in germ cells	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$604,933	24/11/2022
DP230101404	Understanding bone structure evolution using machine learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$397,000	24/11/2022
DP230101406	Defining how signalling pathways cooperate to regulate organ size	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$386,741	24/11/2022
DP230101407	Synthesising novel phases of carbon by shear-induced phase transformations	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$573,000	24/11/2022
DP230101438	Plastic brains: Neural adaptations to changing environments in reptiles	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$430,000	24/11/2022
DP230101439	Planet Formation at Solar System Scales with the James Webb Space Telescope	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$390,000	24/11/2022
DP230101445	Big temporal graph processing in the Cloud	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$495,000	24/11/2022
DP230101448	Can eco-evolutionary theories explain outcomes of microbiome coalescence	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$585,492	24/11/2022
DP230101458	Weather, climate & geological risks: derivative pricing & risk management	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$393,000	24/11/2022

DP230101463	How the brain learns and uses inhibitory predictions.	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$562,000	24/11/2022
DP230101472	Price Discovery in Equity and Volatility Futures for Trading and Hedging	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$250,855	24/11/2022
DP230101474	Understanding the drivers and motivators of extremist violence	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$864,680	24/11/2022
DP230101481	The Benefits of Utilising Visual-Spatial Representations of Numbers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$247,000	24/11/2022
DP230101489	Local climate changes caused by large bushfire burnt areas	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$338,000	24/11/2022
DP230101490	Harnessing Business Insights from Unstructured Customer Data	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$309,220	24/11/2022
DP230101493	Overcoming nonlinearity in short-reach optical communication	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$425,940	24/11/2022
DP230101499	Decoding Bacterial Epigenetic Regulation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$680,663	24/11/2022
DP230101503	Responding to Sexual Harm: An Australian Historical Criminology Approach	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$459,992	24/11/2022
DP230101513	Network Calming - Using Smart Sensors to Improve Water Asset Performance	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$390,945	24/11/2022
DP230101533	Enacting Climate Change Education through representing scientists' practice	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$379,100	24/11/2022
DP230101534	Next Generation Spatial Data Management for Virtual Spatial Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$480,000	24/11/2022
DP230101535	Village democracy in Southeast Asia and the Pacific	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$797,400	24/11/2022
DP230101536	Political Representation in Indonesia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$679,740	24/11/2022
DP230101540	Advanced Machine Learning with Bilevel Optimization	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$480,000	24/11/2022
DP230101541	Control of vascular form and fate by a novel pre-mRNA splicing mechanism	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$492,733	24/11/2022
DP230101545	Engineering Fungal Nonribosomal Peptide Synthetases for Novel Alkaloids	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$507,300	24/11/2022
DP230101552	A platform technology for developing mesoporous polymer particles	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$424,000	24/11/2022
DP230101579	Quest for Sustainable Electrochemical Energy Storage System	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$515,000	24/11/2022
DP230101607	Situational Assessment as a Marker of Cognitive Skill Decay	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$503,000	24/11/2022

DP230101614	Dynamic Microcages for Cells: Advanced Tools to Interrogate Cell Mechanics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$477,230	24/11/2022
DP230101625	2D oxide supported single-atom catalysts for sustainable fuel generation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$350,000	24/11/2022
DP230101628	Tissue Bio-physicochemical Quantification Using Magnetic Resonance Imaging	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$512,607	24/11/2022
DP230101629	Conformal Field Theories with Higher Spin Symmetry and Duality Invariance	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$455,000	24/11/2022
DP230101634	Determining principles for successful episode retrieval of repeated events	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$315,242	24/11/2022
DP230101650	Rational design of array-based nanozyme sensors	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$267,720	24/11/2022
DP230101666	Innovative Stable Free Radical-Substituted Conjugated Electronic Polymers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$520,000	24/11/2022
DP230101671	A Novel Approach to Semi-Supervised Statistical Machine Learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$410,000	24/11/2022
DP230101676	Nitride materials: In the "bond ionicity Goldilocks zone" for solar energy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$326,000	24/11/2022
DP230101685	Probing new physics with atomic parity violation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$415,043	24/11/2022
DP230101689	Veteran suicide: investigating the historical and social dimensions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$490,170	24/11/2022
DP230101694	Degradation of atomically dispersed M-N-C carbon catalysts in acidic media	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$565,000	24/11/2022
DP230101704	New Possibilities: Young People and Democratic Renewal	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$466,586	24/11/2022
DP230101712	Improving the stability of biomolecules using ionic liquids	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$439,000	24/11/2022
DP230101734	Tapping into non-English-language science in tackling global challenges	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$395,021	24/11/2022
DP230101739	Advanced Materials from Automated Synthesis of Sequence-Defined Polymers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$466,000	24/11/2022
DP230101740	Homogenous Antibody-Metal Conjugates For Immuno-Mass Spectrometry Imaging	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$442,633	24/11/2022
DP230101749	Distributed Optimisation without Central Coordination	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$375,000	24/11/2022
DP230101750	What drives the Anterior Expansion of the Central Nervous System?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$532,915	24/11/2022
DP230101753	Short Sequence Representation Learning with Limited Supervision	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,000	24/11/2022

DP230101757	Lattice Panel Based Optical Apertures for Optical Wireless Networks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$491,321	24/11/2022
DP230101758	Families with multiple and complex needs: refocusing on early intervention	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$548,000	24/11/2022
DP230101760	Evolution and mechanisms of interactions in biofilm communities	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$519,000	24/11/2022
DP230101764	Design of 2D Soft Plasmonic Photocatalysts for Artificial Leaves	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$388,585	24/11/2022
DP230101769	Response of Vertical Drains in Soft Subgrade under Cyclic Rail Loading	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$569,000	24/11/2022
DP230101775	Revealing the Unseen Universe with Gravitational Lensing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$660,000	24/11/2022
DP230101777	Mapping & Harnessing Public Mistrust: Constitutional Values Survey 2023-27	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$1,205,000	24/11/2022
DP230101787	AI in agriculture: hybrid machine learning models for nitrogen simulation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$476,538	24/11/2022
DP230101790	Cost-effective Edge Service Provisioning in the Last Mile of 5G	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,610	24/11/2022
DP230101791	A New Approach to the Structure of Atomic Nuclei	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$387,324	24/11/2022
DP230101792	From mainstream to margins: The denormalisation of underage heavy drinking	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$294,000	24/11/2022
DP230101795	Next generation high throughput lipidomics using adaptive modelling	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$569,146	24/11/2022
DP230101797	Reading Writing Lives: Publishing & Preserving Australian Literary Archives	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$66,828	24/11/2022
DP230101804	Biofabricated tissue mimics for nanoparticle design and development	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$559,950	24/11/2022
DP230101835	Close Relations: Irishness in Australian Literature	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$315,712	24/11/2022
DP230101836	Connecting ocean tides to the large-scale ocean circulation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$340,000	24/11/2022
DP230101841	Novel Hybrid Nanotechnologies by Infiltration of Functional Polymers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$515,000	24/11/2022
DP230101847	Mixed-Dimensional 2D/0D Heterostructures for Infrared Detection	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$438,479	24/11/2022
DP230101849	Reducing geotechnical design conservatism to secure floating wind energy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$594,700	24/11/2022
DP230101861	Tandem Photocatalytic Conversion of CO2 to High Value Hydrocarbon Products	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$558,325	24/11/2022

DP230101868	A Holocene history of rainfall extremes for the South Pacific	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$438,904	24/11/2022
DP230101879	The viral fusosome: a modular machinery for cargo delivery to target cells	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$504,123	24/11/2022
DP230101886	Combining biomechanics and movement ecology of kangaroos and relatives	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$434,159	24/11/2022
DP230101901	Responsive Metal-organic Framework Glass Membranes for Molecular Sieving	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$510,000	24/11/2022
DP230101904	2D Multiferroics: From Materials Design to Device Conceptualization	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$470,000	24/11/2022
DP230101905	Improving disadvantaged students' writing engagement and achievement	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$423,000	24/11/2022
DP230101907	Enabling wider use of mechanistic models for biodiversity forecasts	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$654,671	24/11/2022
DP230101908	Reliable and accurate statistical solutions for modern complex data	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$388,000	24/11/2022
DP230101928	How parents manage climate anxiety: coping and hoping for the whole family	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,000	24/11/2022
DP230101930	Untangling the matrix of bacterial biofilms	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$471,000	24/11/2022
DP230101932	How climate-resilient are our temperate fisheries species?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$510,893	24/11/2022
DP230101940	Resonator-enhanced quantum levitation of macroscopic systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$450,610	24/11/2022
DP230101941	High value biocoke for low emission steel production	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$435,000	24/11/2022
DP230101955	Multi-beam Transmitarrays for Unmanned Aerial Vehicle Communications	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$402,000	24/11/2022
DP230101979	Can we exploit mRNA modifications to control protein expression?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$397,996	24/11/2022
DP230101981	Phenotyping doublecortin+ cells to unravel human adult neurogenesis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$634,931	24/11/2022
DP230101990	Breaking the cycle of intergenerational child maltreatment using 'big data'	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$444,679	24/11/2022
DP230102019	Languages of Barrier Islands, Sumatra: Description, History and Typology	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$503,363	24/11/2022
DP230102027	Production of C1/C2 Commodity-Chemicals via Efficient Electrocatalysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$714,888	24/11/2022
DP230102030	Deciphering ion specificity in complex electrolytes	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$460,000	24/11/2022

DP230102041	Novel role of RNA methylation in neuronal homeostasis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$475,659	24/11/2022
DP230102070	Ultra-sensitive 3D molecular assays using total body PET and deep learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$568,000	24/11/2022
DP230102073	In depth characterisation of the gamma delta T cell immune synapse	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$619,191	24/11/2022
DP230102077	A theory for the vertical structure of tropical atmospheric circulations	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$339,794	24/11/2022
DP230102079	Development of a novel best approximation theory with applications	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$390,000	24/11/2022
DP230102083	Evaluating innovative assurance practices for sustainability reporting	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$286,362	24/11/2022
DP230102088	Shaping International Law in Global Transformations: Australian Experiences	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$635,187	24/11/2022
DP230102094	Hybridisation leading to lost sex: genomic and experimental insights	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$401,088	24/11/2022
DP230102101	Designing liveable neighbourhoods to support healthy ageing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,763	24/11/2022
DP230102105	Redefining the immune landscape of the human ocular surface	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$652,264	24/11/2022
DP230102108	Defining the microenvironmental regulators of spleen function and immunity	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$680,707	24/11/2022
DP230102109	Origin and evolution of animal-bacterial symbiosis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$824,671	24/11/2022
DP230102121	How do kangaroo herpesviruses jump to new host species?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$377,577	24/11/2022
DP230102124	Mitochondria as sensors of environmental threats	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$559,479	24/11/2022
DP230102150	Hitting bacteria with a Bam: Lectin-Like Antimicrobials as New Antibiotics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$617,727	24/11/2022
DP230102151	To what extent does Australian food policy consider its health impact	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$602,000	24/11/2022
DP230102155	Top-quarks as a portal to new physics at the Large Hadron Collider	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$477,000	24/11/2022
DP230102158	Discerning China's Foreign Policy Playbook: Goals and Strategies	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$171,550	24/11/2022
DP230102179	A new perspective on how we learn motor skills: two adaptation classes?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$322,568	24/11/2022
DP230102184	COVID-19, health and labour market marginalisation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$276,889	24/11/2022

DP230102188	How do vortices live in spatio-temporally complex flows?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$395,000	24/11/2022
DP230102192	Biomass-derived Carbon Dots Enable Flexible, On-Demand Hydrogen Delivery	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$433,249	24/11/2022
DP230102200	Unshackling solitons through ultimate dispersion control	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$332,027	24/11/2022
DP230102209	Self-Interacting Random Walks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,000	24/11/2022
DP230102221	Giant magnetic-thermoelectricity in topological materials	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,000	24/11/2022
DP230102229	Novel framework for optimising battery-cooling microchannel heat exchangers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$487,684	24/11/2022
DP230102244	Investigating novel pathways in ferroptosis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$422,490	24/11/2022
DP230102250	Feature Learning for High-dimensional Functional Time Series	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$353,000	24/11/2022
DP230102252	Enabling wide area mm-wave mobile broadband networks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$493,000	24/11/2022
DP230102264	High-speed impact fractures and the global origins of projectile technology	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$441,909	24/11/2022
DP230102268	Torres Strait Islander History: Sport, Culture and Identity	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$391,032	24/11/2022
DP230102269	Click chemistry to reveal how neurons and glia shape perineuronal nets	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$459,000	24/11/2022
DP230102278	Role of Tau and Synapsin in clustering distinct synaptic vesicle pools	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$478,045	24/11/2022
DP230102280	Star Formation Through Cosmic Time	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$390,000	24/11/2022
DP230102294	Anisotropic behaviour of natural soft soils	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$448,254	24/11/2022
DP230102298	Pathways to semelparity versus early maturity in animals and plants	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$386,494	24/11/2022
DP230102299	Transforming Australian bio-based industries through multiscale modelling	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$478,000	24/11/2022
DP230102304	Resilient design of energy pile foundations toward zero carbon buildings	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$532,000	24/11/2022
DP230102307	High specificity nanosensors for glycobiology	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$407,033	24/11/2022
DP230102313	A next-generation whole parasite bovine Babesia vaccine.	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$602,170	24/11/2022

DP230102331	The impact of work-from-home environments on comfort and productivity	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$431,840	24/11/2022
DP230102356	Hybrid Practices in Indigenous Community-Owned Organizations	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$606,303	24/11/2022
DP230102359	Zooplankton: the missing link in modelling the ocean carbon cycle	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$404,041	24/11/2022
DP230102406	Integrated nonmetal-metal single-atom catalysis for selective synthesis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$530,953	24/11/2022
DP230102411	From me to you and beyond: understanding socially-induced nocebo effects	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$510,087	24/11/2022
DP230102412	The Role of Lck/CD8 Association in Negatively Regulating T cell Activation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$850,455	24/11/2022
DP230102414	Computational modelling of nanofluids for industrial applications	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$373,000	24/11/2022
DP230102422	How do cytokine receptors transmit signals?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$531,445	24/11/2022
DP230102424	Dynamic evolution of mutation rates: causes and impacts on genomic analysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$399,410	24/11/2022
DP230102431	Integrating theory and data to model evolution under a changing climate	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$388,000	24/11/2022
DP230102432	Can cyanobacteria use organic nutrients to thrive in future oceans?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$499,743	24/11/2022
DP230102443	Fast Precision Robust Control of Resonant Flexible Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$560,000	24/11/2022
DP230102453	Improving the mental health of young adults in Australia's universities	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,028	24/11/2022
DP230102459	Seeing the Bio-Nano "Talk" in the brain via real-time multiplex tracking	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$605,000	24/11/2022
DP230102463	Enabling technology unlocking full potential of high bandgap chalcopyrite	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$574,254	24/11/2022
DP230102476	Protecting cereal grain development at high temperatures	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$748,474	24/11/2022
DP230102484	Hiding in Plain Sight: 'Associated Entities' and Australian Democracy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$366,509	24/11/2022
DP230102497	A digital twin framework for human mobility measurement in the home setting	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$529,976	24/11/2022
DP230102504	Towards Robust Hydrogen Electrode for High-Rate Alkaline Electrolysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$350,627	24/11/2022
DP230102515	Global Governance, Eco-Justice, and International Grievance Mechanisms	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$203,906	24/11/2022

DP230102527	Hunger for Change: Student Food Insecurity and Youth Agency in Australia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$543,000	24/11/2022
DP230102550	Photoacoustic cellular manipulation: building from the bottom up	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$430,000	24/11/2022
DP230102553	Judicial Loyalties and Resistance in Southeast Asia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$275,730	24/11/2022
DP230102564	Transforming Current Design Practice for Controlled Modulus Columns	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$339,340	24/11/2022
DP230102566	Neural circuit control of effort under stress	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$649,942	24/11/2022
DP230102577	Energy-efficient liquid-flow system for electroreduction of carbon dioxide	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$495,000	24/11/2022
DP230102585	Destratification and mixing by boundary turbulence in oceans and rivers	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$640,000	24/11/2022
DP230102601	Expanding the scramjet operating envelope through oxygen enrichment	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$585,000	24/11/2022
DP230102603	Exciton-mediated room-temperature superconductivity	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$480,966	24/11/2022
DP230102606	Trust in Pacific Healthcare: Transforming research, policy and practice	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$299,226	24/11/2022
DP230102614	Brain states and their roles in evasive behaviour	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$860,000	24/11/2022
DP230102623	Community Self-determination in the Era of Automated Home Delivery Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$515,000	24/11/2022
DP230102641	Synthesis and Characterisation of Tracer-Functionalised Nanoparticles	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$510,000	24/11/2022
DP230102652	Characterising a novel stress-sensing signalling factor	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$728,720	24/11/2022
DP230102655	Reading the sequence of a single molecule of DNA	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$492,000	24/11/2022
DP230102657	A Process-Based Framework for Open Innovation with Social Media Data	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$288,064	24/11/2022
DP230102663	Microcosm Experiments for Improved Species Distribution Models	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$406,269	24/11/2022
DP230102664	Beyond structure - solving conformational dynamics for intractable proteins	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$483,000	24/11/2022
DP230102668	Data-led bioengineering to uncover hidden chemical wealth in bacteria	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$690,517	24/11/2022
DP230102695	Histone H3.3-dependent transcriptional control and B cell differentiation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$533,967	24/11/2022

DP230102705	Organic Bioelectronics: Solving Key Barriers to Precision Neuromodulation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$463,985	24/11/2022
DP230102707	Venom-derived blood-brain-barrier shuttles	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$506,244	24/11/2022
DP230102725	Unravelling the maternal gut microbiome as a driver of fetal development	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$933,439	24/11/2022
DP230102727	Artistic Practice in Australian Videogame Development	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$177,638	24/11/2022
DP230102740	Light Powered Materials for Producing Chemical Fuels	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$415,380	24/11/2022
DP230102752	Photoinduced Palladium Catalysis for Next Generation C-H Bond Activation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$579,499	24/11/2022
DP230102753	Butyrophilin ligand sensing by the immune system	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$376,907	24/11/2022
DP230102775	Small Scalable Natural Language Models using Explicit Memory	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$480,000	24/11/2022
DP230102776	Structure and dynamics of class B1 G protein coupled receptors	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$776,880	24/11/2022
DP230102777	The physiological importance of GLP-1R and GIPR dimerisation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$585,929	24/11/2022
DP230102780	Impact of cognitive task demands on the accumulation/dissipation of fatigue	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$347,427	24/11/2022
DP230102781	Assessment of Dynamic Pile Driving Using Machine Learning	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$412,353	24/11/2022
DP230102786	New Silent Anchors for Floating Offshore Wind Turbines in Calcareous Sand	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$461,000	24/11/2022
DP230102796	Defining the molecular basis for Salmonella persistence	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$589,519	24/11/2022
DP230102813	Accessing Liquid Noble Metals for Low Temperature Chemical Reactions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$609,012	24/11/2022
DP230102828	Securing Web-based Services by Policy Coherence and Proof-checking	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$420,000	24/11/2022
DP230102837	On the Combustion of Green Hydrogen in Future Energy Systems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$530,000	24/11/2022
DP230102850	Engineering Methods for Resolving Complex Mutational Networks in Proteins	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$425,000	24/11/2022
DP230102854	Defining novel immune checkpoints controlled by stromal cells	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$489,864	24/11/2022
DP230102856	Internet Timing for the Ages: Establishing the New Timekeeping System	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$457,079	24/11/2022

DP230102874	Pile foundations in unsaturated soils: a mechanistic framework	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$470,000	24/11/2022
DP230102907	Plasma driven electrochemical synthesis of urea	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$422,103	24/11/2022
DP230102908	Fast effective clustering technologies for highly dynamic massive networks	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$435,000	24/11/2022
DP230102918	Bushfire analytics: optimisation of fuel reduction.	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$423,200	24/11/2022
DP230102933	Improving the Governance of Species Lists	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$313,544	24/11/2022
DP230102934	The Material Science of Biomimetic Soft Network Composites	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$449,148	24/11/2022
DP230102942	Obstacles to Contract Enforcement in Indonesia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$392,482	24/11/2022
DP230102958	Molecular definition of cellular states in the vascular endothelium	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$473,280	24/11/2022
DP230102963	Australian clays as raw materials of slow-release phosphate fertiliser	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$268,080	24/11/2022
DP230102982	Machine learning, group theory and combinatorics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$397,000	24/11/2022
DP230102986	Towards 2050 - managing recovery of Australia's coral reefs	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$660,607	24/11/2022
DP230102994	Southern Ocean Sea Ice – what happened and what happens next?	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$404,000	24/11/2022
DP230103006	Improved management of marine habitats by learning from historical change	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$625,764	24/11/2022
DP230103008	Carbon fibre thermoplastics as next-generation carbon fibre composites	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$399,236	24/11/2022
DP230103014	Beautiful strings	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$573,917	24/11/2022
DP230103037	Mapping Australians' Media Use and Civic Attitudes	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$422,816	24/11/2022
DP230103043	Global Governing Gaps and Accountability Traps for Solar Energy and Storage	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$180,580	24/11/2022
DP230103050	Adaptive daytime radiative cooling and heating for buildings	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$567,630	24/11/2022
DP230103058	Unravelling the brain circuits linking emotions and heart rate variability.	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$946,768	24/11/2022
DP230103060	China's changing internal migration: patterns, causes, policy implications	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$355,221	24/11/2022

DP230103062	Discovery and directed evolution of small molecule biosensors	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$522,724	24/11/2022
DP230103075	Ageing in and through Data: What data can tell us about ageing	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$211,883	24/11/2022
DP230103079	Online anti-racism for Australia	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$386,382	24/11/2022
DP230103080	Extracting energy from air: mechanism of a bacterial hydrogenase	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$694,096	24/11/2022
DP230103081	Micro-electromechanical technology for harnessing terahertz waves	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$553,728	24/11/2022
DP230103085	Novel tools for dating explosive volcanic eruptions in the critical window	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$348,000	24/11/2022
DP230103088	A Transdimensional Approach to Gravitational-Wave Astronomy	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$460,000	24/11/2022
DP230103091	Space RAdiation Monitoring System (SRAMS) for safe space missions	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$500,983	24/11/2022
DP230103095	Why is (re)development hot?: Measuring cumulative heat in Australian cities	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$491,013	24/11/2022
DP230103097	Imaging mammalian organogenesis with adaptive optics	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$674,300	24/11/2022
DP230103102	Judgment and decision making using ESG performance information	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$262,971	24/11/2022
DP230103107	Synthetic biology tools for just-in-time control of biosynthetic pathways	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$458,799	24/11/2022
DP230103116	Social buffering of fear inhibition in adolescent rats	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$360,000	24/11/2022
DP230103117	Human Leukocyte Antigen-A and -B regulation of Natural Killer cell function	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$808,986	24/11/2022
DP230103122	Revealing the impacts of super-charged photosynthesis on leaf respiration	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$603,747	24/11/2022
DP230103127	Understanding why mammalian eggs have so much mitochondrial DNA	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$405,823	24/11/2022
DP230103161	Unveiling the dead and dusty Universe with the James Webb Space Telescope	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$375,000	24/11/2022
DP230103180	Bidirectional Evolutionary Structural Optimization for Transient Problems	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$492,697	24/11/2022
DP230103184	Graded Symmetry in Algebra and Analysis	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$417,000	24/11/2022
DP230103185	High activity catalysts for CO2 recycling to valuable chemical products	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$529,447	24/11/2022

DP230103192	Interfacial engineering of multilayered metal organic framework membranes	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$392,232	24/11/2022
DP230103193	How are sperm mitochondria eliminated after fertilisation	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$428,988	24/11/2022
DP230103210	Androgen receptor: A master regulator of lipid metabolism	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$614,000	24/11/2022
DP230103211	Visualising chromatin changes in 3 dimensions: super to ultra resolution	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$585,000	24/11/2022
DP230103229	About time; a new biology for the mineralocorticoid receptor	Discovery Projects	17/11/2022	Approved	23/11/2022	24/11/2022	\$433,078	24/11/2022

- (a) Application number
- (b) Title of application
- (c) Scheme
- (d) Date received by Minister
- (e) Whether grant was approved or not approved by Minister
- (f) Date of Minister's decision
- (g) Date applicant was informed of the grant outcome
- (h) Amount of funding granted (if any)
- (i) Whether the grant was publicly announced and, if so, the date of the announcement