

(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
DP240100013	Mixed-Metal Clusters for Catalysis and Optical Applications	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$524,034	30/10/2023
DP240100014	Unlocking the potential of poly(ionic liquids) for electrochemical sensing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$451,254	30/10/2023
DP240100017	Bridging the gap between Key-Evolving Signatures and Their Applications	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$518,026	30/10/2023
DP240100048	Efficient and effective methods for classifying massive time series data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$519,930	30/10/2023
DP240100051	Investigating a novel genetic strategy for insect resistance in crops	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$642,317	30/10/2023
DP240100069	Assessments for writing with generative artificial intelligence	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$637,912	30/10/2023
DP240100072	Understanding communication about advance care planning across the lifespan	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$519,459	30/10/2023
DP240100102	Data Driven Discovery of New Catalysts for Asymmetric Synthesis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$460,000	30/10/2023
DP240100108	Thwarted Identity: The Missing Link Between Psychopathology and Prejudice	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$765,745	30/10/2023
DP240100111	Supporting teachers and teaching in the age of Artificial Intelligence	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$378,719	30/10/2023
DP240100112	Images of Power in the Roman Empire: Mass Media and the Cult of Emperors	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$230,368	30/10/2023
DP240100120	Data Driven Polymer Synthesis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$536,041	30/10/2023
DP240100121	Sustainable Reversible Polymerisation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$511,041	30/10/2023
DP240100126	Unlocking the secret chemistry of organosulfur biodegradation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$618,849	30/10/2023

DP240100128	Risky choices: From cells and circuits to computations and behaviour	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$631,374	30/10/2023
DP240100143	Modern statistical methods for clustering community ecology data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$401,287	30/10/2023
DP240100145	Bioinspired photoreceptor and smart neural mimicking technologies	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$451,143	30/10/2023
DP240100158	New methods in network economics to study environment-friendly behaviours	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$327,852	30/10/2023
DP240100161	Analysing and disrupting outlaw motorcycle gangs in Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$242,575	30/10/2023
DP240100162	Leaky Dielectric Platform for Integrated Terahertz Components	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$557,810	30/10/2023
DP240100168	Braiding Dynamics of Majorana Modes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$380,060	30/10/2023
DP240100169	Body Worn Camera Evidence and Assessment of Witness Credibility	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$348,206	30/10/2023
DP240100177	What determines plant sensitivity to heat?: Individual to lifetime impacts	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$631,377	30/10/2023
DP240100181	Mitigating the Influence of Social Bots in Heterogeneous Social Networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$504,110	30/10/2023
DP240100186	Class numbers and discriminants: algebraic and analytic number theory meet	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$473,190	30/10/2023
DP240100187	Planet Chicken: Chemical Entanglements in Asia's Poultry Boom	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$672,233	30/10/2023
DP240100198	The Global Structure of Sparse Networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$382,911	30/10/2023
DP240100207	The carbonate geology of the critical metal niobium	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$672,881	30/10/2023
DP240100208	Making Better Decisions: An Investigation of Time-Biases	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$317,143	30/10/2023
DP240100230	Identifying potential trade-offs of adapting to climate change	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$783,088	30/10/2023

DP240100238	Engineered topological nanostructures – a new frontier in materials design	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$600,044	30/10/2023
DP240100248	Making Strongly Interacting Photons	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$456,860	30/10/2023
DP240100249	Attracting, preparing, and sustaining quality teachers in early education	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$664,259	30/10/2023
DP240100269	A paradigm shift for predictions of freshwater harmful cyanobacteria blooms	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$676,935	30/10/2023
DP240100273	Protein Structure and Dynamics by Electron/Nuclear Paramagnetic Resonance	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$780,000	30/10/2023
DP240100277	Limiting False Positives in Empirical Asset Pricing Tests	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$305,450	30/10/2023
DP240100281	Molecular fossils, mass extinctions and the rise of complex algae	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$589,870	30/10/2023
DP240100294	Scaling laws for aerodynamics of moving wings in the Martian atmosphere	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$445,275	30/10/2023
DP240100300	Big Data-based Distributed Control using a Behavioural Systems Framework	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$431,627	30/10/2023
DP240100325	Linking wave–sea ice feedbacks to rapid ice retreat	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$384,217	30/10/2023
DP240100330	Early-life climate sensitivity: direct and indirect mechanisms	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$662,704	30/10/2023
DP240100341	Transforming decision making for rockfall hazard assessment	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$423,133	30/10/2023
DP240100345	United on the field? Enhancing equity and inclusion in community sport	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$404,954	30/10/2023
DP240100356	Situation-aware Multi-sided Personalised Analytics in Spatial Crowdsourcing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$378,014	30/10/2023
DP240100370	Defining the links between climate change, marine disease and food security	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$754,626	30/10/2023
DP240100378	Physico-chemical effects on long-time fluid transport for CO2 geostorage	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$573,478	30/10/2023

DP240100389	Southern Ocean aerosols: sources, sinks and impact on cloud properties	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$511,100	30/10/2023
DP240100395	Mapping the Frontiers of Private Property in Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$453,248	30/10/2023
DP240100400	Finding equivalence between natural and artificial intelligences	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$435,598	30/10/2023
DP240100408	How age & sex impact the transcriptional control of mammalian muscle growth	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$868,724	30/10/2023
DP240100414	Increasing confidence in Australian carbon disclosures	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$299,396	30/10/2023
DP240100422	Understanding Growth in Emotion Regulatory Flexibility in Emerging Adults	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$393,650	30/10/2023
DP240100432	Digital Death and Immortality	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$93,029	30/10/2023
DP240100450	Towards highly-efficient hydrogen gas turbines	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$509,131	30/10/2023
DP240100456	Reaching for tax breaks: Household financial decisions and tax policy	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$225,242	30/10/2023
DP240100462	Rerunning the evolution of an ancient bacterial propeller	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$617,223	30/10/2023
DP240100464	Atomic-Scale Engineering of Bioactive Organic Molecules on Surfaces	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$334,390	30/10/2023
DP240100465	Next Generation Fluorescent Tools for Measuring Autophagy Dynamics in Cells	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$543,610	30/10/2023
DP240100472	Interplay between Ergodic Theory, Additive Combinatorics and Ramsey Theory	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$472,719	30/10/2023
DP240100484	Equipping Australian teachers today to face AI tomorrow	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$467,827	30/10/2023
DP240100489	Composite clad steel-geopolymer concrete systems for resilient structures	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$569,705	30/10/2023
DP240100491	New insights into female reproductive tract formation and tubulogenesis.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$508,798	30/10/2023
DP240100497	Unlocking the ion selectivity of lithium superionic conductor membranes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$620,357	30/10/2023

DP240100506	Interactions of Human and Machine Intelligence in Modern Economic Systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$521,114	30/10/2023
DP240100514	Chemical staples and chemical probes to dissect dynamins cellular roles.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$1,031,345	30/10/2023
DP240100531	Policing Australian Popular Music	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$411,200	30/10/2023
DP240100534	Atomic sensors for dark matter, rotation and magnetic fields	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$375,628	30/10/2023
DP240100555	New Horizons in Quinonedimethide Chemistry	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$600,000	30/10/2023
DP240100566	Do root microbiomes control seagrass response to environmental stress?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$544,128	30/10/2023
DP240100569	Polarons in flatland	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$378,030	30/10/2023
DP240100589	Galaxy evolution in high definition with the world's largest telescopes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$502,238	30/10/2023
DP240100601	Medical Internationalism: Cuba and Eastern Europe, 1959-1999	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$618,424	30/10/2023
DP240100602	Artificial intelligence in education: Democratising policy	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$502,649	30/10/2023
DP240100612	Reactivity and photochemistry of halide anions: atmospheric implications	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$476,206	30/10/2023
DP240100614	A Green Technology for Enhancing Resource Recovery from Sewage Sludge	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$359,167	30/10/2023
DP240100615	Mapping Creativity in Captivity during WWII	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$391,371	30/10/2023
DP240100640	Life outside institutions: histories of mental health aftercare 1900 - 1960	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$234,359	30/10/2023
DP240100671	Motion of objects in soils	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$488,000	30/10/2023
DP240100680	Cultivating digital music making in regional Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$284,851	30/10/2023
DP240100687	Tuning catalyst reaction environments towards photoreforming of wastewater	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$521,850	30/10/2023

DP240100689	Drivers of ageing and adaptive ageing in middle-aged and older adults.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$682,134	30/10/2023
DP240100697	Improving digital sexual literacy in Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$348,424	30/10/2023
DP240100714	Development of an immunology toolbox to combat emerging marsupial diseases	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$500,495	30/10/2023
DP240100719	Using Conservation Covenants for Ecosystem Restoration & Climate Adaptation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$301,846	30/10/2023
DP240100725	Discovering the molecular controls of epigenetic inheritance	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$705,986	30/10/2023
DP240100747	Investigating the world's first maritime network in Pleistocene Wallacea	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$574,845	30/10/2023
DP240100753	Autonomous Discovery of Green Inhibitors	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$529,615	30/10/2023
DP240100769	High Dimensional Approximation, Learning, and Uncertainty	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$572,908	30/10/2023
DP240100770	Orientated biointerfacing of cell-mimetic nanoparticles	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$569,537	30/10/2023
DP240100781	Mathematics for future magnetic devices	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$481,984	30/10/2023
DP240100793	Engaging residents and families in aged care facilities	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$463,939	30/10/2023
DP240100795	On the Hunt: Boosting Productivity of Cell Factories by Advanced Searches	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$554,699	30/10/2023
DP240100798	Mapping the psychology of accent-based discrimination	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$389,886	30/10/2023
DP240100815	Decoding microtubule remodelling in sperm production	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$675,930	30/10/2023
DP240100824	Developing Accessible Playgrounds for Children with Vision Impairment	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$398,033	30/10/2023
DP240100830	Variable Structure Complex Network Systems with Smart Grid Applications	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$507,358	30/10/2023
DP240100832	The role of protein glycosylation in erythropoiesis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$812,177	30/10/2023

DP240100838	Topological insulators and free fermions: from Hermitian to non-Hermitian	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$460,905	30/10/2023
DP240100851	Unlocking self-healing bio-concrete through multiscale modelling	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$523,390	30/10/2023
DP240100872	Learning the meso-scale organization of complex networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$503,877	30/10/2023
DP240100886	Side-Hustles: Young People and Employment-Adjacent Entrepreneurship	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$383,448	30/10/2023
DP240100892	Empowering Wearable Smart Devices with 3D Printed Energy Storage	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$540,500	30/10/2023
DP240100895	Discrimination in Policing: Evidences from Natural Experiments	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$240,371	30/10/2023
DP240100896	Bubble clouds in ocean waves	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$541,466	30/10/2023
DP240100914	Trust and Distrust in Social Epistemic Networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$478,013	30/10/2023
DP240100920	Law And Policy Framework For Remote Sensing In Maritime Enforcement	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$285,204	30/10/2023
DP240100927	Precarious housing, housing assistance and wellbeing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$500,000	30/10/2023
DP240100929	Targeting the host lipid environment to disrupt malaria transmission	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$664,654	30/10/2023
DP240100938	Human-Robot Co-Evolution: Achieving the full potential of future workplaces	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$509,205	30/10/2023
DP240100942	If a spin could torque: quantum force sensing with levitated nanodiamonds	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$510,318	30/10/2023
DP240100955	Balance and reinforcement: privacy and fairness in high intelligence models	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$485,000	30/10/2023
DP240100961	Porous Two-Dimensional Inorganic Semiconductors for Optoelectronic Devices	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$450,000	30/10/2023
DP240100963	Congestion control in complex networks with higher-order interactions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$510,261	30/10/2023

DP240100966	eGenomics - Next generation biomonitoring of threatened species	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$500,323	30/10/2023
DP240100968	Advancing Child and Youth-led Climate Change Education with Country	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$581,715	30/10/2023
DP240100970	Implications of Global Economic Forces for Domestic Monetary Policy	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$309,037	30/10/2023
DP240100979	Human Scheduling of Perceptual Tasks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$296,058	30/10/2023
DP240100992	The mobilome of the anaerobic methanotrophic archaea Methanoperedenaceae	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$499,391	30/10/2023
DP240101006	Empowering Next-Generation Spatial Digital Twins with Linked Spatial Data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$434,070	30/10/2023
DP240101009	Macroeconomic and Financial Modelling in an Era of Extremes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$345,566	30/10/2023
DP240101011	Harnessing Interlayer Biexcitons in Atomically Thin Heterostructures	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$614,114	30/10/2023
DP240101019	Integrated Sensing and Communication for 6G Wireless Networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$526,447	30/10/2023
DP240101021	Changing Institutions to Mitigate Gender Leadership Gaps: Power of Defaults	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$344,400	30/10/2023
DP240101026	Understanding marine migratory connectivity for more sustainable oceans	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$400,891	30/10/2023
DP240101032	Preventing Exfiltration of Sensitive Data by Malicious Insiders or Malwares	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$513,374	30/10/2023
DP240101033	Hydrodynamics of quantum fluids	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$304,031	30/10/2023
DP240101048	Fractional decomposition of graphs and the Nash-Williams conjecture	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$429,118	30/10/2023
DP240101050	Magnetorheological Elastomer Based Tuned Mass Damper	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$509,442	30/10/2023

DP240101061	Government Popularity, Political Responsiveness and Democracy in Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$476,138	30/10/2023
DP240101062	Topological semiconductors resonate with an elusive form of radiation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$467,327	30/10/2023
DP240101064	Resilient Remote Environment Emulation for Human-to-Machine Communication	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$547,592	30/10/2023
DP240101075	Developing systemic interventions for intimate partner financial abuse	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$379,860	30/10/2023
DP240101081	From foraging to farming. Human adaptations during major transitions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$717,816	30/10/2023
DP240101084	Stability conditions: their topology and applications	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$419,421	30/10/2023
DP240101086	Liquid metal solvents for high entropy and atomically configured systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$587,000	30/10/2023
DP240101089	Mathematics to underpin and drive novel inertial microfluidic technologies	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$454,573	30/10/2023
DP240101097	Reactivity Enhanced Low-Valent Alkaline Earth Metal Compounds	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$540,000	30/10/2023
DP240101102	Counter-COVID public policies and the impacts on Australian children	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$546,194	30/10/2023
DP240101108	Privacy-Aware and Personalised Explanation Overlays for Recommender Systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$376,482	30/10/2023
DP240101109	The impact of circadian and sleep factors on neurodevelopment	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$596,724	30/10/2023
DP240101127	Designing metallic glass structures for damage tolerance via 3D printing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$639,134	30/10/2023
DP240101131	Innovative Zn alloys with essential mechanical and biofunctional properties	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$573,294	30/10/2023

DP240101140	Insect-inspired flapping wing robots: autonomous flight control systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$518,252	30/10/2023
DP240101150	Cosmic Renaissance: The Last Chance for Planet Formation Around Dying Stars	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$465,000	30/10/2023
DP240101159	Root effects on soil organic matter: a double-edged sword	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$756,919	30/10/2023
DP240101163	Open(ing up) goals in physical activity: What works, when, and for whom?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$438,567	30/10/2023
DP240101172	Heat regulation by the fibre types in muscle	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$562,446	30/10/2023
DP240101173	How do unconventional T cells die?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$648,898	30/10/2023
DP240101175	Shifting the Culture of Out-of-field Professional Education for Teachers	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$287,119	30/10/2023
DP240101184	Electron-molecule collisions in fusion and astrophysical plasmas	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$420,000	30/10/2023
DP240101192	Asymmetric Biomembranes for Blue Energy Harvesting	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$554,811	30/10/2023
DP240101206	A multi-scale theory for solid-granular transition due to fragmentation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$493,390	30/10/2023
DP240101210	Ion-atom collision data for fusion energy, hadron therapy and astrophysics	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$379,642	30/10/2023
DP240101211	Scaling Disk-Resident Learned Indexes For Database Systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$450,000	30/10/2023
DP240101212	Molecular mechanism of the PRC-dependent RNA degradation by the rixosome	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$544,187	30/10/2023
DP240101215	Liquid Metal Interfaces – A Novel Platform for Catalysis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$456,742	30/10/2023
DP240101230	The Misinformation Future—Confronting Emerging Threats	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$496,703	30/10/2023
DP240101264	Using cognitive models to understand memorability of real world images	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$586,979	30/10/2023
DP240101274	An ensemble approach to studying the ocean's role in climate change	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$489,000	30/10/2023

DP240101279	An in-built depolymerisation solution for polyethylene waste	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$364,318	30/10/2023
DP240101293	Australian Journalism, Trauma and Community	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$834,416	30/10/2023
DP240101295	Evaluating the Network Neuroscience of Human Cognition to Improve AI	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$853,565	30/10/2023
DP240101301	Robustness-oriented and serviceable design of innovative modular buildings	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$366,011	30/10/2023
DP240101309	Mid-infrared quantum dots for room temperature photodetectors and emitters	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$562,507	30/10/2023
DP240101310	New Generation of High-Performance Radio Frequency Devices	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$600,280	30/10/2023
DP240101313	Explaining virus diversity	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$718,978	30/10/2023
DP240101315	Structure of the essential Commander protein trafficking complex	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$685,886	30/10/2023
DP240101321	Decoding the brain network of memory formation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$855,202	30/10/2023
DP240101322	Next-Generation Distributed Graph Engine for Big Graphs	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$508,000	30/10/2023
DP240101332	Manipulation of mitochondrial function by Legionella pneumophila.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$620,887	30/10/2023
DP240101345	Middle Age Earth: ocean chemistry and evolution in the Boring Billion	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$483,315	30/10/2023
DP240101346	Quantum non-locality with mass-entangled metastable helium atoms	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$521,166	30/10/2023
DP240101353	Algorithms for Future-Proof Networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$547,662	30/10/2023
DP240101365	Rare Event Simulation: Protecting vital infrastructure from flood extremes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$399,260	30/10/2023
DP240101389	Australian Legacies of British Slavery: Capital, Land and Labour	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$636,857	30/10/2023
DP240101399	High-throughput single-molecule directed evolution	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$598,737	30/10/2023

DP240101405	A unifying model for ion exchange membranes – towards a low carbon future	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$606,732	30/10/2023
DP240101407	Zwitterion-based electrolytes for advanced energy technologies	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$496,215	30/10/2023
DP240101409	Reaching new frontiers of quantum fields and gravity through deformations	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$389,180	30/10/2023
DP240101413	Beyond pineal melatonin: sensing the seasons without the eye	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$511,077	30/10/2023
DP240101427	New mechanisms regulating the biogenesis of extracellular vesicles	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$658,402	30/10/2023
DP240101430	Corrosion triggered self-passivation of magnesium alloys	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$276,500	30/10/2023
DP240101441	Shedding Light on the Proton Radius Puzzle with Ultracold Helium	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$460,950	30/10/2023
DP240101449	Predictive Biomechanics for Modelling Gait Stability and Falls Prediction	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$662,267	30/10/2023
DP240101458	Human models for accelerated robot learning and human-robot interaction	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$535,664	30/10/2023
DP240101464	A novel granular stress sensor for soil exploration	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$413,390	30/10/2023
DP240101469	Improving Resilience of MCDI for Water Supply in Remote Communities	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$395,082	30/10/2023
DP240101471	Computational MultiPhysics Analysis of 3D Structural Damage and Failure	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$528,283	30/10/2023
DP240101472	Exploiting James Webb Space Telescope Observations of the First Galaxies	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$479,874	30/10/2023
DP240101473	Understanding the role of trauma in alcohol and other drug-related problems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$615,212	30/10/2023
DP240101480	Inference for Hawkes processes with challenging data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$463,452	30/10/2023

DP240101494	Nonlinear Quantum Control Engineering	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$504,905	30/10/2023
DP240101500	New biocatalysts for selective chemical oxidations under extreme conditions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$781,608	30/10/2023
DP240101511	A statistical decision theory of cognitive capacity	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$404,107	30/10/2023
DP240101533	Addressing significant product safety knowledge gaps for older Australians	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$533,965	30/10/2023
DP240101534	Is New Guinea the missing link for understanding Australia's rainforests?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$552,289	30/10/2023
DP240101536	Unlocking the mechanisms of vibro-acoustic communication in termites	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$700,651	30/10/2023
DP240101547	Temporal Graph Mining for Anomaly Detection	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$476,668	30/10/2023
DP240101548	Room Temperature High Energy Density Sodium-Sulfur Batteries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$465,000	30/10/2023
DP240101559	Innovative Electrohydrodynamic Atomisation for Improved Nasal Drug Delivery	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$570,066	30/10/2023
DP240101561	Broadening Choice and Increasing Diversity in Public Schools	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$268,246	30/10/2023
DP240101563	Political Conflict, Inefficient Markets, and Food Crises	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$190,000	30/10/2023
DP240101571	Assembling the building blocks in the blueprint of the embryonic head	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$747,027	30/10/2023
DP240101572	Quantum algebras with supersymmetries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$387,592	30/10/2023
DP240101579	Microfluidics to explore the uptake of nanoparticles by endothelial cells	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$491,276	30/10/2023
DP240101581	Multi-energy driven photothermal evaporators for all-weather desalination	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$537,717	30/10/2023
DP240101588	Hippo signalling control of transcription in lymphatic vascular development	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$1,042,311	30/10/2023

DP240101590	Big time crystals: a new paradigm in condensed matter	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$533,655	30/10/2023
DP240101591	Beyond Query: Exploratory Subgraph Discovery and Search System	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$484,000	30/10/2023
DP240101647	How do stem cells get specified during embryonic muscle development?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$640,000	30/10/2023
DP240101649	Improving Legal Frameworks to Support Online Child Sex Abuse Prosecutions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$227,412	30/10/2023
DP240101654	Transcriptional and translational regulation of the neuronal protein tau	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$732,831	30/10/2023
DP240101661	Design of novel polymer electrolytes for solid state sodium batteries.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$575,000	30/10/2023
DP240101665	Understanding T cell trafficking and function during antigenic interference	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$792,223	30/10/2023
DP240101666	Creating Hybrid Exponential Asymptotics for use with Computational Data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$460,918	30/10/2023
DP240101673	Comparative analysis of sensor noise for target detection in dragonfly eyes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$540,834	30/10/2023
DP240101674	The impact of Hyaluronic Acid on growth factor signalling and angiogenesis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$570,690	30/10/2023
DP240101678	Unlocking exceptional properties through pressure-induced phase transitions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$537,038	30/10/2023
DP240101695	Gender Affirmation in Childhood: Protective Factors and Strategies	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$360,698	30/10/2023
DP240101708	Optimisation of Buildable Structures for 3D Concrete Printing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$520,332	30/10/2023
DP240101710	Next-generation Navigation by Mega-constellations LEO Satellites	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$639,150	30/10/2023
DP240101727	Structure-guided optimisation of light-driven microalgae cell factories	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$813,081	30/10/2023

DP240101733	Improving grain legume seeds for future climates	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$852,048	30/10/2023
DP240101743	An adaptive surface for improved modelling of rough wall bounded turbulence	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$457,359	30/10/2023
DP240101768	Novel mechano-signalling pathways at sites of cellular adhesion	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$597,127	30/10/2023
DP240101772	Geometric evolution of spaces with symmetries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$388,132	30/10/2023
DP240101773	Closing the Gap Between Theory and Data in Macroeconometrics	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$146,360	30/10/2023
DP240101775	Understanding the implications of pandemic delays for the end of life	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$343,081	30/10/2023
DP240101783	Business and democracy: Power, profit and participation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$318,056	30/10/2023
DP240101786	On the origin of very massive back holes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$320,000	30/10/2023
DP240101787	Shuffle algebras and vertex models	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$461,398	30/10/2023
DP240101808	Unlocking new generation physical modelling with realistic soil response	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$609,837	30/10/2023
DP240101809	Categorification and KLR algebras	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$524,369	30/10/2023
DP240101812	Informing intervention responses to violent offenders through data linkage	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$436,351	30/10/2023
DP240101814	Embracing Changes for Responsive Video-sharing Services	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$515,418	30/10/2023
DP240101820	Harnessing the Power of Wind: Revolutionising Wind Farm Optimisation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$477,804	30/10/2023
DP240101821	Predatory protists: natural weapons for soil-borne pathogen control	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$513,285	30/10/2023
DP240101824	Deep-time history of culturally significant lands and waters in Timor-Leste	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$431,280	30/10/2023

DP240101825	Deciphering lipid-RNA nanocarrier structure upon RNA complexation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$511,017	30/10/2023
DP240101831	Midbrain hunger signalling modifies decision making under conflict	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$466,852	30/10/2023
DP240101834	National research impact policies: Uncovering the 'value' in evaluation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$316,485	30/10/2023
DP240101842	Lifting the Veil on Cold Planets in the Inner Galaxy	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$563,000	30/10/2023
DP240101848	Generative Visual Pre-training on Unlabelled Big Data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$510,000	30/10/2023
DP240101851	Mapping the integration of T cell fate control across time and space	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$663,995	30/10/2023
DP240101861	A new model of teamwork for Human-Autonomy Teams (HATs)	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$603,955	30/10/2023
DP240101865	Impact of redox condition on emerging contaminants fate	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$364,480	30/10/2023
DP240101869	Understanding Mitotic Telomere Deprotection	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$703,903	30/10/2023
DP240101873	Bridging the meaning gap: A computational approach to semantic variation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$685,330	30/10/2023
DP240101902	Emergent organocopper complexes as robust catalysts for electrosynthesis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$521,837	30/10/2023
DP240101919	Approximation theory of structured neural networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$402,491	30/10/2023
DP240101926	3D Diffusion Models for Generating and Understanding 3D Scenes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$501,000	30/10/2023
DP240101927	Multidisciplinary analysis of financial reference points and wellbeing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$328,879	30/10/2023
DP240101934	Deformation of singularities through Hodge theory and derived categories	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$463,261	30/10/2023
DP240101935	Characterising a new regulator of the Hedgehog pathway	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$755,862	30/10/2023
DP240101938	Australian tropical rainforests in the face of climate change	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$547,428	30/10/2023

DP240101952	First Nations AI: Country, Climate, Communication	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$574,487	30/10/2023
DP240101955	Surfacing urban wetlands in two urban renewal sites in Sydney	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$417,727	30/10/2023
DP240101968	Subcortical control of human reaching?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$522,683	30/10/2023
DP240101989	Economic analysis of child maltreatment and child protection	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$402,980	30/10/2023
DP240101993	Orthogonal Sensing Strategies for Soft Sensors to Discern Multiple Stimuli	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$573,137	30/10/2023
DP240102006	Controllable quantum phases in two-dimensional metal-organic nanomaterials	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$484,097	30/10/2023
DP240102015	Cubesat Technologies for High Spatial Resolution Astrophysics	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$508,428	30/10/2023
DP240102019	Detecting and deciphering extinction dynamics under environmental change	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$523,813	30/10/2023
DP240102050	Data Complexity and Uncertainty-Resilient Deep Variational Learning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$452,390	30/10/2023
DP240102053	A Novel Surrogate Framework for evaluating THM Properties of Bentonite	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$483,701	30/10/2023
DP240102056	Restoring amphibian populations in chytrid-impacted landscapes	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$908,607	30/10/2023
DP240102062	Deciphering the immune complexity that orchestrates T cell activation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$525,194	30/10/2023
DP240102076	Superannuation as Inheritance: Law, Practice and Reform	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$169,128	30/10/2023
DP240102082	Moral Injury and the Ethics of Military Conditioning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$300,307	30/10/2023
DP240102085	Hyperactive endogenous retroviruses and their impact on the koala genome	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$593,530	30/10/2023
DP240102088	Causal Knowledge-Empowered Adaptive Federated Learning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$506,145	30/10/2023

DP240102091	Understanding the risk of microplastics in Australian agricultural soils	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$637,430	30/10/2023
DP240102097	Defining a new family of sodium channel accessory proteins	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$615,493	30/10/2023
DP240102104	Mathematical and Numerical Models of Piezoelectric Wave Energy Converters	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$452,379	30/10/2023
DP240102119	How does the chromatin remodeller CHD4 regulate gene expression?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$780,618	30/10/2023
DP240102137	Programmable Ferroelectric Nanoelectronics for In-memory Computing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$373,732	30/10/2023
DP240102140	Data Privacy Protection in Wireless Sensor Networks	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$468,294	30/10/2023
DP240102143	A network perspective for ecosystem responses to plant invasion	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$555,693	30/10/2023
DP240102155	Sex-specific epigenetic atlas across lifespan	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$609,370	30/10/2023
DP240102156	The developmental and evolutionary origins of vertebrate fins and limbs.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$592,436	30/10/2023
DP240102160	Replicating the cartilage micromechanical environment	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$583,790	30/10/2023
DP240102161	Novel tractography-guided MRI methods for studying healthy brain ageing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$469,263	30/10/2023
DP240102164	Attribution of Machine-generated Code for Accountability	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$497,110	30/10/2023
DP240102176	All-Solid-state Sodium-ion Batteries for Renewable Energy Industry	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$574,623	30/10/2023
DP240102177	Two-dimensional nanomaterials for wearable zinc ion battery	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$498,199	30/10/2023
DP240102189	Safe and efficient eco-driving using connected and automated vehicles	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$687,578	30/10/2023
DP240102200	Understanding Ageism in Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$685,081	30/10/2023

DP240102205	Consumer and Community Involvement Process Implementation Model	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$609,004	30/10/2023
DP240102206	Care and Repair: Rethinking Contemporary Curation for Conditions of Crisis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$268,119	30/10/2023
DP240102217	Fyn-STEP-Tau axis: the nanoscale mechanisms of synaptic plasticity	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$657,750	30/10/2023
DP240102221	Developing vitrimers: next generation reusable plastics	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$552,697	30/10/2023
DP240102230	Thermal engineering in semiconductor heterojunction for space transducers	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$471,767	30/10/2023
DP240102235	“Janus” Transition Metal Dichalcogenides: Quest for Novel Properties	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$329,000	30/10/2023
DP240102250	World Crime Fiction: Making Sense of a Global Genre	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$265,773	30/10/2023
DP240102254	Creating a non-invasive window into the mind	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$399,132	30/10/2023
DP240102256	Size matters, but at what cost? Role of male sex hormones in the placenta	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$575,713	30/10/2023
DP240102275	Aboriginal Exemption: Truth-telling, History, and Healing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$734,233	30/10/2023
DP240102286	Optimising disease surveillance to support decision-making	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$424,283	30/10/2023
DP240102291	Investigations into the antibacterial mechanism of action of cannabidiol	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$592,297	30/10/2023
DP240102301	Mapping Australian Homemade, Amateur & Do-it-Yourself Cultural Economies.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$561,545	30/10/2023
DP240102310	Understanding specificity and flexibility in coral symbioses	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$505,077	30/10/2023
DP240102315	Bio-inspired Nanoparticles for Mechano-Regulation of Stem Cell Fate	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$561,886	30/10/2023
DP240102317	Differential Evolution Framework for Intelligent Charging Scheduling	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$630,000	30/10/2023

DP240102329	EEG Based Global Network Models and Platform for Brain States Assessment	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$533,377	30/10/2023
DP240102334	Improving the effectiveness of marine habitat restoration	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$594,292	30/10/2023
DP240102343	Engineering Functional Antimicrobial Polypeptide Surfaces	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$612,916	30/10/2023
DP240102349	Toward Human-guided Safe Reinforcement Learning in the Real World	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$554,096	30/10/2023
DP240102350	Geodesic arcs and surfaces for hyperbolic knots and 3-manifolds	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$459,575	30/10/2023
DP240102353	Targeted electrolyte design for high energy aqueous batteries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$380,000	30/10/2023
DP240102358	Antarctica's leaky defence to poleward heat transport	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$923,447	30/10/2023
DP240102369	Where Gesture Meets Grammar: Crosslinguistic Multimodal Communication	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$435,520	30/10/2023
DP240102371	Legitimacy and effective policing responses to domestic and family violence	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$514,811	30/10/2023
DP240102384	Connectomes arising: linking structure and function in neocortical wiring.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$597,015	30/10/2023
DP240102385	Quiet sleep is for repair, active sleep is for learning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$493,410	30/10/2023
DP240102399	Tracking flood waters over Australia using space gravity data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$510,490	30/10/2023
DP240102417	Fluid chemistry and critical mineral enrichment in salty metamorphic belts	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$260,041	30/10/2023
DP240102418	Molecular mechanisms that regulate the kinetics of neurotransmitter release	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$703,112	30/10/2023
DP240102432	Advancing Policy Design for Robots in Public Spaces	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$608,385	30/10/2023
DP240102434	Mineral Biosequestration of Organic Carbon in Early Pedogenesis of Tailings	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$557,908	30/10/2023

DP240102441	Control of crop-microbe symbiosis by new plant hormones	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$520,376	30/10/2023
DP240102450	How Large Earthquakes Change Our Dynamically Deforming Planet	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$413,771	30/10/2023
DP240102458	How does embryonic physiology shape the divergence of brain development?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$692,422	30/10/2023
DP240102465	Dissecting bacterial signal transduction	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$588,790	30/10/2023
DP240102490	Vocal mimicry in songbirds	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$485,378	30/10/2023
DP240102498	Stronger, coarser-grained biodegradable zinc alloys	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$541,300	30/10/2023
DP240102502	Practical multi-receiver passive radar with low-cost synchronisation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$541,266	30/10/2023
DP240102506	From shape to function: how structured RNA defines insect flaviviruses	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$635,507	30/10/2023
DP240102511	Touch and Tension: Molecular Determinants of Human Mechanosensation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$797,032	30/10/2023
DP240102528	Design of Nanoporous BCN with Tunable Pores for CO2 Capture and Conversion	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$611,500	30/10/2023
DP240102532	Chemoreception in fishes: Anthropogenic impacts on brain and behaviour	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$818,131	30/10/2023
DP240102533	Regulating the composition of biomolecular condensates in living cells	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$557,650	30/10/2023
DP240102540	Educator-child interactions and childhood social and emotional learning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$525,095	30/10/2023
DP240102549	Role of nitrogen-rich compounds for increasing carbon sequestration in soil	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$571,566	30/10/2023
DP240102559	Experiment-numerical-virtual Generative Design for Nondeterministic Impacts	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$519,537	30/10/2023

DP240102575	Seawater Electrolysis for Hydrogen and Commodity Chemicals Production	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$600,925	30/10/2023
DP240102584	Privacy, Data Protection and Market Structure	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$165,164	30/10/2023
DP240102585	Networks: New links between spectrum, dynamics, rewirings and applications	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$418,767	30/10/2023
DP240102605	Towards a cognitive process model of how attention and choice interact	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$532,277	30/10/2023
DP240102611	Nuclear RNA surveillance and its connection to splicing quality control	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$507,424	30/10/2023
DP240102614	The Ethics of Voluntary Assisted Dying: Promoting Constructive Debate	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$553,139	30/10/2023
DP240102628	Bioinspired Ceramifiable Fire-Retardant Composite Coatings	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$548,288	30/10/2023
DP240102637	Some like it hot: the genetics of rapid adaptation to climate change	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$515,194	30/10/2023
DP240102642	Unravelling Efficient Nucleic Acid Delivery Using Multilayer Nanoparticles	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$566,242	30/10/2023
DP240102646	Extending Remaining Useful Life of Second-life Battery Energy Systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$601,465	30/10/2023
DP240102648	Integrating land use, market equilibrium, and transport for city planning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$491,742	30/10/2023
DP240102658	Defining the biological boundaries to sustain extant life on Mars	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$647,219	30/10/2023
DP240102680	The Dreamscape Project: Phenomenology and neurophysiology of dreams	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$595,895	30/10/2023
DP240102682	Next-Generation Solvers for Complex Microwave Engineering Problems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$541,156	30/10/2023
DP240102689	Living Together: New Approaches to Multispecies Conflict and Coexistence	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$488,548	30/10/2023

DP240102707	CO2-coupled photothermal catalysis on superlattice structures	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$550,821	30/10/2023
DP240102717	Designing distanced intergenerational interaction with tangible technology	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$751,389	30/10/2023
DP240102721	Interrogating the extremes of skeletal muscle plasticity in vertebrates	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$514,897	30/10/2023
DP240102728	Fire-retardant Solid State Electrolytes for Rechargeable Li-ion Batteries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$555,493	30/10/2023
DP240102729	EFR3: Novel gatekeeper of cell proliferation	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$538,266	30/10/2023
DP240102733	The demographic consequences of extreme weather events in Australia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$351,000	30/10/2023
DP240102765	Mud pumping under rail tracks: from Micromechanics to Predictions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$491,982	30/10/2023
DP240102772	Viral capsids as high-efficiency nanoreactors	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$618,145	30/10/2023
DP240102774	Can the Relational Account predict search in multiple-element displays?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$354,372	30/10/2023
DP240102787	Three-dimensional solar-energy-driven hydrogen generation from ammonia	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$523,602	30/10/2023
DP240102799	Co-designing Innovations in Digital Storytelling with Older Adults	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$596,031	30/10/2023
DP240102805	Testing links between life-history and genome evolution	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$574,037	30/10/2023
DP240102812	Defining pathways that control T cell lifespan for long-term immunity	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$817,768	30/10/2023
DP240102823	THE BASAL MELTING OF ANTARCTIC ICE SHELVES	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$443,000	30/10/2023
DP240102825	The capacity for exceptional brain repair in a novel rodent species.	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$536,125	30/10/2023
DP240102830	Fitness and evolutionary consequences of developmental plasticity	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$450,703	30/10/2023

DP240102839	Unravelling the neutron lifetime puzzle with lattice quantum chromodynamics	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$431,814	30/10/2023
DP240102888	A macrophage-centric holistic view of postnatal development	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$875,054	30/10/2023
DP240102891	Novel Membranes for High-performance Zinc-Iron Redox Flow Batteries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$573,000	30/10/2023
DP240102899	Understanding multiday cycles underpinning human physiology	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$510,845	30/10/2023
DP240102905	The molecular basis of T cell receptor cross-reactivity between MHC and MR1	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$604,345	30/10/2023
DP240102907	Diamond Voltage Microscopy: A new tool for neuroscience	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$460,000	30/10/2023
DP240102926	Electrolyte and interface engineering of solid-state sodium batteries	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$433,552	30/10/2023
DP240102939	Australian Experiences of Algorithmic Culture on TikTok	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$263,104	30/10/2023
DP240102945	Environmentally friendly lubricants for higher productivity in cold rolling	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$631,872	30/10/2023
DP240102956	Foundations of a good egg: correctly transitioning from mitosis to meiosis	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$809,559	30/10/2023
DP240102970	Cosmic powerhouses: The birth, death, and legacy of black hole jets	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$547,250	30/10/2023
DP240102971	A novel precision-engineered microfluidic chip for wear particle research	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$557,916	30/10/2023
DP240102982	Characterisation of a novel disease immunity pathway in plants	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$595,526	30/10/2023
DP240102996	Optimizing benefits of cultural diversity in Australian healthcare sector	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$434,425	30/10/2023
DP240103015	Impact of roughness on adverse pressure gradient turbulent boundary layers	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$574,488	30/10/2023

DP240103024	On-site environmental DNA sensing with user-friendly test strips	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$603,086	30/10/2023
DP240103034	The geometry of genome access: lessons from HIV	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$624,710	30/10/2023
DP240103043	Role of the superior colliculus in sensory processing	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$592,264	30/10/2023
DP240103045	Diversifying audio description in the Australian digital landscape	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$405,782	30/10/2023
DP240103048	Voice and Belonging: Pathways to inclusion for new migrant communities	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$386,187	30/10/2023
DP240103054	A modelling framework for designing more sustainable urban freight systems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$594,793	30/10/2023
DP240103068	Rigorous Privacy Compliance in Modern Application Ecosystems	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$500,610	30/10/2023
DP240103070	Towards knowledge discovery from imperfect and evolving data	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$292,330	30/10/2023
DP240103085	Sustainable Electrocatalytic Synthesis of Urea	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$461,140	30/10/2023
DP240103089	Charge-Controlled Materials for Separations of Important Resources	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$443,650	30/10/2023
DP240103097	Investigating Energy Transfer Pathways in Lanthanoid Elements	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$483,079	30/10/2023
DP240103127	Indistinguishable Quantum Emitters in van der Waals Materials	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$606,238	30/10/2023
DP240103130	Counting neutrinos to per-mill accuracy	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$500,000	30/10/2023
DP240103141	How lipid binding proteins shape the activity of nuclear hormone receptors	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$720,000	30/10/2023
DP240103154	Finding Australia's Disabled Authors: Connection, Creativity, Community	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$212,611	30/10/2023
DP240103174	Binary stars and Planets	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$384,160	30/10/2023

DP240103188	Understanding mosquito smell system: a new frontier in mosquito control	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$544,678	30/10/2023
DP240103193	Cellular Ageing: Is the Plasma Membrane the Control Hub?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$709,714	30/10/2023
DP240103194	Ownership-based Alias Analysis for Securing Unsafe Rust Programs	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$514,737	30/10/2023
DP240103201	Fatigue Life Assessment of Structures under Realistic Loading Conditions	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$527,934	30/10/2023
DP240103205	Comparing properties of innate immune proteins of bats and humans	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$526,047	30/10/2023
DP240103207	Examining the impact of remand and the utility of bail risk assessments	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$679,949	30/10/2023
DP240103208	(Re)Designing Digital Justice	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$599,969	30/10/2023
DP240103209	Intraepithelial lymphocyte development and function in the intestine	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$568,862	30/10/2023
DP240103230	High entropy metal organic frameworks for sustainable hydrogen production	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$404,530	30/10/2023
DP240103231	3D integrated crystalline UV optical lens-fiber couplers for astronomy	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$527,586	30/10/2023
DP240103246	What is the role of striatal dopamine in value-based decision-making?	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$1,517,812	30/10/2023
DP240103257	The economics of (mis)information in the age of social media	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$214,056	30/10/2023
DP240103259	Defining how cells relay mechanical signals to changes in cell architecture	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$947,849	30/10/2023
DP240103271	Nanoengineered hybrid coatings that control inflammation to artificial bone	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$565,193	30/10/2023
DP240103278	Learning to Reason in Reinforcement Learning	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$544,551	30/10/2023
DP240103289	Alkane transformations through binding to metals	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$479,505	30/10/2023
DP240103290	Imaging the youngest planets	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$413,989	30/10/2023

DP240103307	Digitally-Integrated Smart Sensing of Diverse Airborne Grass Pollen Sources	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$697,897	30/10/2023
DP240103324	Quantum Generative Diffusion Models for Molecular Research	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$522,390	30/10/2023
DP240103328	4D Printed Origami Structures: Deformation Mechanisms and Mechanics	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$387,189	30/10/2023
DP240103334	Fast Reconstruction and Real-time Rendering of Immersive Light Field Video	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$485,551	30/10/2023
DP240103352	Ultrafast tracking of physiological processes in the human eye	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$736,887	30/10/2023
DP240103362	Understanding and Combatting 'Dark Political Communication'	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$610,364	30/10/2023
DP240103385	Advancing plant synthetic gene circuit capability, robustness, and use	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$626,628	30/10/2023
DP240103404	Next Generation Terahertz Materials	Discovery Projects	20/10/2023	Approved	25/10/2023	30/10/2023	\$561,000	30/10/2023
LE240100004	Ultrafast Infrared Spectroscopy Facility	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$762,800	1/11/2023
LE240100006	Northern Australia Plant Biosecurity Facility	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$350,000	1/11/2023
LE240100010	Single-molecule Manipulation and Interaction Facility (SMIF)	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$928,291	1/11/2023
LE240100015	Integrated Tip-Enabled Nanofabrication and Characterisation at Atomic Scale	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$523,899	1/11/2023
LE240100019	National Electron Beam Irradiation Facility	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$740,000	1/11/2023
LE240100032	Small Animal In Vivo Imaging Facility with microCT imaging capabilities	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$450,000	1/11/2023

		Equipment and Facilities						
LE240100036	Ultra-fast structure-property characterisation of materials	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$754,700	1/11/2023
LE240100038	A multimodal infrared, Raman and fluorescence submicron imaging microscope	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$670,000	1/11/2023
LE240100039	Advanced HR-ICP-MS facility for marine, Antarctic and environmental samples	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$470,000	1/11/2023
LE240100044	Cryogenic Experimental Laboratory for Low-background Australian Research	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$860,000	1/11/2023
LE240100045	Cryogenic microwave characterization facility for quantum technologies	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$410,000	1/11/2023
LE240100049	In-situ nanomechanical testing for materials under extreme environments	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,200,000	1/11/2023
LE240100050	A national network for magnetic resonance spectroscopy	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,681,491	1/11/2023
LE240100054	Dedicated High-throughput 3D-Electron Diffractometer	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,341,398	1/11/2023
LE240100060	High speed multi modal in-situ Transmission Electron Microscopy platform	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$638,853	1/11/2023
LE240100063	Scanning Transmission Electron Microscope for Beam-Sensitive Materials	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,900,000	1/11/2023

LE240100064	Sediment Drilling Facility for environmental and genetic archives	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$193,125	1/11/2023
LE240100068	Australian Advanced Metabolic Signal Discovery, and Imaging Platform	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$931,950	1/11/2023
LE240100073	A femtosecond beamline for time-resolved momentum microscopy	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,150,000	1/11/2023
LE240100080	Acquisition of an advanced Fluorescence-Activated Cell Sorter for Tasmania.	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$500,000	1/11/2023
LE240100084	Australia's fuel cells and electrolysers prototyping and testing facility	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$950,000	1/11/2023
LE240100086	Integrated multimodal microscopy facility for single molecule analysis	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$510,000	1/11/2023
LE240100091	Deep imaging for understanding molecular processes in complex organisms	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,000,000	1/11/2023
LE240100092	Quantum microscopy facility for ultrasensitive nanoscale magnetic imaging	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,100,000	1/11/2023
LE240100109	Compound specific isotopes of polar organic molecules in complex mixtures	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$291,672	1/11/2023
LE240100116	Facilities for Atmospheric Boundary Layer Evaluation and Testing	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,200,000	1/11/2023
LE240100118	The National Cycling Data and Analysis Platform (NCDAP)	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$500,000	1/11/2023

LE240100120	Powder Manufacturing Facility for Additive Manufacturing	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$546,254	1/11/2023
LE240100129	State-of-the-art atomic force microscopy facilities for South Australia	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$530,721	1/11/2023
LE240100130	Thermophysical Property Analysers for Materials under Extreme Environments	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$1,300,000	1/11/2023
LE240100131	Federated Omniverse Facilities for Smart Digital Futures	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$539,000	1/11/2023
LE240100133	An Open Access Native Mass Spectrometry Facility	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$657,987	1/11/2023
LE240100134	Super-resolution platform to accelerate biological and molecular research	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$796,206	1/11/2023
LE240100135	An ion mobility-mass spectrometry based platform for structural proteomics	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$880,000	1/11/2023
LE240100147	Revitalising NMR facilities in South Australia - Stage 2	Linkage Infrastructure, Equipment and Facilities	20/10/2023	Approved	25/10/2023	1/11/2023	\$900,000	1/11/2023
LP230100011	Natural flood management: Nature-based flood mitigation in the 21st Century	Linkage Projects	30/10/2023	No Decision				
LP230100042	Snails to the rescue! Conservation of Australia's island invertebrates	Linkage Projects	30/10/2023	No Decision				
LP230100049	Improving long term forecasts of tree growth in carbon farming projects	Linkage Projects	30/10/2023	No Decision				
LP230100071	Leveraging lived experience to prevent burnout among healthcare workers	Linkage Projects	30/10/2023	No Decision				

LP230100083	Robust Defences against Adversarial Machine Learning for UAV Systems	Linkage Projects	30/10/2023	No Decision				
LP230100108	Portable biosensor for rapid detection of viral contamination in food	Linkage Projects	30/10/2023	No Decision				
LP230100121	The Intended and Unintended Impact of Policy for Adaptive Policy Management	Linkage Projects	30/10/2023	No Decision				
LP230100155	Sustainable and robust Australian Ni-based superalloy manufacturing	Linkage Projects	30/10/2023	No Decision				
LP230100156	Pioneering reproductive biotechnology innovations for equine breeding	Linkage Projects	30/10/2023	No Decision				
LP230100160	Enhancing outcomes for young people in out-of-home care who self-place	Linkage Projects	30/10/2023	No Decision				
LP230100166	Improving the processing of low-grade copper ores	Linkage Projects	30/10/2023	No Decision				
LP230100171	The Macroderma initiative: conserving ghost bats and informing development	Linkage Projects	30/10/2023	No Decision				
LP230100173	The Rare Earth Potential of the Gascoyne Region of Western Australia	Linkage Projects	30/10/2023	No Decision				
LP230100176	Hotspots of endemism for invertebrate conservation in south-east Australia	Linkage Projects	30/10/2023	No Decision				
LP230100179	New metrics to measure and track fauna community condition in Australia	Linkage Projects	30/10/2023	No Decision				
LP230100181	Time reversed optics	Linkage Projects	30/10/2023	No Decision				
LP230100183	Converting Biomass into Value-Added Catalysts for Water Electrolysis	Linkage Projects	30/10/2023	No Decision				
LP230100187	Improving the success of hybrid living shorelines for coastal protection	Linkage Projects	30/10/2023	No Decision				
LP230100198	New approaches measuring Australia's creative workforce: Beyond the Census	Linkage Projects	30/10/2023	No Decision				

LP230100199	Hybrid Pile-Drain System to Stabilise Railways Built on Soft Soils	Linkage Projects	30/10/2023	No Decision				
LP230100209	Vaccination of poultry infected with multiple Salmonella serovars	Linkage Projects	30/10/2023	No Decision				
LP230100220	Solar E-Waste in Africa: facilitating the right to repair	Linkage Projects	30/10/2023	No Decision				
LP230100225	Finding the targets of natural products in complex botanical extracts.	Linkage Projects	30/10/2023	No Decision				
LP230100228	Towards sustainable co-management of groundwater in the Beetaloo region, NT	Linkage Projects	30/10/2023	No Decision				
LP230100229	Flame-Retarding and Mechanically Resilient Elastomer Composites	Linkage Projects	30/10/2023	No Decision				
LP230100230	Threats to the water quality and ecosystem of Coffin Bay, South Australia	Linkage Projects	30/10/2023	No Decision				
LP230100235	Achieving Nitrite Shunt For Mainstream Sewage Treatment Using Human Waste	Linkage Projects	30/10/2023	No Decision				
LP230100262	Assessing fish connectivity across highly-modified seascapes	Linkage Projects	30/10/2023	No Decision				
LP230100270	Upcycling of mixed plastics from bioprocessed municipal solid waste	Linkage Projects	30/10/2023	No Decision				
LP230100276	Secure Management of Internet of Things Data for Critical Surveillance	Linkage Projects	30/10/2023	No Decision				
LP230100282	Precise, Cytosolic Dendrimer Delivery Systems	Linkage Projects	30/10/2023	No Decision				
LP230100288	Novel Hydrophobic Concrete for Durable and Resilient Mining Infrastructure	Linkage Projects	30/10/2023	No Decision				
LP230100294	High Quality-of-Experience Real-time Video for Smart Online Shopping	Linkage Projects	30/10/2023	No Decision				
LP230100307	Foundations for offshore wind turbines in Australian carbonate seabed soils	Linkage Projects	30/10/2023	No Decision				

LP230100313	Innovative Double Patterning Strategies for Integrated Circuit Manufacture	Linkage Projects	30/10/2023	No Decision				
LP230100317	Koala Guardians: Empowering community to protect an Australian icon	Linkage Projects	30/10/2023	No Decision				
LP230100325	Nuclear Nation: a contemporary archaeology of Australia's atomic heritage	Linkage Projects	30/10/2023	No Decision				
LP230100345	Engineering Hybrid Materials with Functional Bioactivity in the GI Tract	Linkage Projects	30/10/2023	No Decision				
LP230100351	Accelerating pulse breeding using machine learning	Linkage Projects	30/10/2023	No Decision				
LP230100359	Transforming museum industry to cryopreserve Australia's diverse wildlife	Linkage Projects	30/10/2023	No Decision				
LP230100371	Unlocking mine waste potential: carbon sequestration and metals extraction	Linkage Projects	30/10/2023	No Decision				
LP230100379	An explainability oriented approach to manage dependent supply chain risks	Linkage Projects	30/10/2023	No Decision				
LP230100385	Before and after the Last Ice Age: GunaiKurnai archaeology along the Snowy	Linkage Projects	30/10/2023	No Decision				
LP230100393	The Forgotten Children, Ten Years On	Linkage Projects	30/10/2023	No Decision				
LP230100396	Silicon-based Anode Materials for Next Generation Lithium-ion Batteries	Linkage Projects	30/10/2023	No Decision				
LP230100412	Advanced protective coatings for thermal energy management devices	Linkage Projects	30/10/2023	No Decision				
LP230100426	Does emotion regulation flexibility improve functioning in refugees?	Linkage Projects	30/10/2023	No Decision				
LP230100436	AI Assisted Continuous Flow Electrochemistry for Pharmaceutical Manufacture	Linkage Projects	30/10/2023	No Decision				
LP230100439	Explainable machine learning for electrification of everything	Linkage Projects	30/10/2023	No Decision				

LP230100456	Dynamic model assisted fault diagnostics of wind turbine gearbox	Linkage Projects	30/10/2023	No Decision				
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- (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