

NHMRC Grants

澳大利亚宣布对 848 项研究注资 5.8 亿澳元（附心理学、认知科学及神经科学分类项目清单）

2014 年 10 月 17 日，澳大利亚总理 the Hon Tony Abbott MP 和卫生部部长 the Hon Peter Dutton MP 共同宣布通过国家健康与医学研究理事会（NHMRC）对澳 848 项新研究进行资助，总额达到 5.8 亿澳元，下表为各项基金金额分配：

Grant type	Funding commitments	#Grants
Project Grants	\$421.1 million	555
Partnership Projects	\$7.3 million	8
Centres of Research Excellence	\$47.3 million	19
Early Career Fellowships	\$39.4 million	125
Career Development Fellowships	\$24.1 million	58
Translating Research into Practice Fellowships	\$1.7 million	10
Equipment grants	\$6 million	47
Independent Medical Research Institutions Infrastructure grants	\$32.7 million	26
Total for All New Commitments	\$580.2 million	848

全部受资助项目中分类为认知科学、神经科学和心理学的共计 99 项，总金额将近 6000 万。其中认知科学 2 项，资助金额约 75 万；神经科学 82 项，资助金额约 5284 万；心理学 15 项，资助金额约 605 万。项目标题、关键词及资助金额等详细信息请见下表：

Simplified Title	TOTAL	FOR Category	Field of Research	Research KW 1	Research KW 2
Extinguishing fearful and addictive brain during adolescence	\$411,768	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology , Physiological Psychology)	adolescence	fear
Distinguishing self from world: understanding the neural basis of schizophrenia	\$411,768	PSYCHOLOGY	Health, Clinical and Counselling Psychology	schizophrenia and related disorders	electrophysiology
From brain maps to mechanisms: modeling the pathophysiology of schizophrenia	\$309,436	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology , Physiological Psychology)	schizophrenia and related disorders	mental illness
Helping children recover from traumatic stress: The role of caregivers and professionals	\$425,746	PSYCHOLOGY	Health, Clinical and Counselling Psychology	traumatic stress	childhood
Human neural development in the absence of species-expected stimuli: The effect of maternal or social deprivation on maturation of emotion circuitry during critical periods of development.	\$441,540	PSYCHOLOGY	Developmental Psychology and Ageing	brain development	social networks
Walking out of the darkness – Developing physical activity habits in Australians with depressive symptoms	\$154,718	PSYCHOLOGY	Sport and Exercise Psychology	physical activity	behaviour change
Mechanisms of Mindfulness Meditation, Cognitive Therapy, and Mindfulness-Based Cognitive Therapy for Low Back Pain	\$309,436	PSYCHOLOGY	Health, Clinical and Counselling Psychology	low back pain	pain management
A memory retrieval - extinction procedure to prevent relapse to drug seeking	\$375,785	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology , Physiological Psychology)	relapse	extinction
How the midbrain assembles fear	\$484,937	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology , Physiological Psychology)	fear	anxiety
Gene Expression Signature Technology to Repurpose Drugs for Bipolar Disorder	\$467,203	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology , Physiological Psychology)	bipolar disorder	drug discovery
A prospective study of language impairment and recovery following surgery for brain tumours	\$823,663	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology , Physiological Psychology)	brain tumours	aphasia

The impact of faulty relevance filtering in schizophrenia.	\$293,257	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)	schizophrenia	evoked response potentials (ERP)
Visual hallucinations: mechanistic biomarkers and novel treatments	\$448,485	PSYCHOLOGY	Health, Clinical and Counselling Psychology	Parkinson disease	visual cortex
A window of vulnerability: Impaired fear inhibition in adolescent rats	\$322,881	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)	extinction	fear
The effect of oxytocin on the formation, expression and inhibition of fear memories	\$378,532	PSYCHOLOGY	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)	amygdala	oxytocin
Restoring cognitive function using brain stimulation: Investigating the neurobiological and neurocognitive effects of non-invasive brain stimulation in schizophrenia.	\$411,768	COGNITIVE SCIENCE	Neurocognitive Patterns and Neural Networks	neuromodulation	cognition
Disruption of the ability to simulate one's personal future: insights from epilepsy and implications for neurosurgical planning and presurgical counselling	\$342,077	COGNITIVE SCIENCE	Neurocognitive Patterns and Neural Networks	memory related disorders	temporal lobe epilepsy
Understanding how the brain senses and encodes hunger and satiety	\$455,452	NEUROSCIENCE S	Central Nervous System	appetite regulation	neuropeptide Y (NPY)
Harnessing the consequences of impaired mitochondrial function to treat and image motor neuron disease	\$455,452	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	amyotrophic lateral sclerosis	motor neuron disease (MND)
Innovative and multi-disciplinary treatment strategies for secondary degeneration following neurotrauma	\$455,452	NEUROSCIENCE S	Central Nervous System	neurotrauma	oxidative stress
Investigating treatments and biomarkers of brain concussion	\$411,768	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	concussion	translational research
Predicting and Improving Multiple Sclerosis treatment outcomes	\$455,452	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	multiple sclerosis (MS)	outcomes research
Centre for Research Excellence in Stroke Rehabilitation and Brain Recovery	\$2,500,000	NEUROSCIENCE S	Central Nervous System	stroke rehabilitation	stroke outcome
Strengthening functional connectivity in the ageing brain.	\$309,436	NEUROSCIENCE S	Central Nervous System	motor cortex	ageing
Characterising facial emotion processing networks in bipolar disorder	\$309,436	NEUROSCIENCE S	Neurosciences not elsewhere classified	bipolar disorder	emotion

Vascular risk factors for incident dementia and brain ageing	\$371,844	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	dementia	cerebrovascular disease
Novel approaches to understanding peripheral vision in patients with central vision loss	\$371,844	NEUROSCIENCE S	Sensory Systems	visual perception	macular degeneration
A convergent approach to define the behavioural and pathophysiological signatures of neuropsychiatric symptoms	\$337,140	NEUROSCIENCE S	Neurosciences not elsewhere classified	neuropsychiatric disorders	Parkinson disease
Neuroimaging the brain in pain	\$433,186	NEUROSCIENCE S	Central Nervous System	chronic pain	neuroimaging
Acute Stroke Care: rapid unblocking of vessels, mending ruptures, and recovery	\$369,436	NEUROSCIENCE S	Central Nervous System	stroke	intracerebral haemorrhage
Investigating the clinical and research applications of whole-genome sequencing in Parkinson disease and other movement disorders	\$258,605	NEUROSCIENCE S	Central Nervous System	neurology	neurogenetics
The role of gastric vagal afferents in the food intake reducing effect of oestradiol	\$309,436	NEUROSCIENCE S	Peripheral Nervous System	vagus nerve	oestrogen
Preclinical assessment of the potential utility of oxytocin and a novel oxytocin agonist for the treatment of substance use disorders and social dysfunction	\$309,436	NEUROSCIENCE S	Neurosciences not elsewhere classified	alcohol abuse	oxytocin
RF Extension 2015	\$122,329	NEUROSCIENCE S	Central Nervous System	cell signalling	nerve regeneration
RF Extension 2015	\$135,162	NEUROSCIENCE S	Neurosciences not elsewhere classified	Brain	Brain imaging
Pre-Clinical Studies Towards Cell-Based Approaches for Cortical Repair.	\$718,472	NEUROSCIENCE S	Central Nervous System	stem cells	stroke
Myelin remodelling: a novel form of neural plasticity	\$586,300	NEUROSCIENCE S	Central Nervous System	multiple sclerosis (MS)	myelination
Mimicking slow wave sleep to enhance plasticity in the elderly human brain	\$415,106	NEUROSCIENCE S	Central Nervous System	motor learning	plasticity
Dopamine-2 receptor antibody in movement and psychiatric disorders	\$402,976	NEUROSCIENCE S	Central Nervous System	neuroimmunology	neurology
Dissecting the central organisation of cough neural networks	\$846,670	NEUROSCIENCE S	Autonomic Nervous System	cough	neuroanatomical tracing
Exploring Somatic Mutation in Focal Epilepsies	\$684,492	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	epilepsy	genetics
Cell therapy for enteric neuropathies - the essential next steps	\$646,081	NEUROSCIENCE S	Autonomic Nervous System	enteric nervous system	stem cell transplantation
Understanding the origins of neurogenic hypertension	\$648,345	NEUROSCIENCE S	Autonomic Nervous System	neurogenesis	blood pressure regulation
Tenecteplase versus Alteplase for Stroke Thrombolysis Evaluation (TASTE) Trial	\$3,989,898	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	acute stroke	ischaemic stroke

Neural control of colorectal function and identification of sites of drug action	\$362,543	NEUROSCIENCE S	Autonomic Nervous System	enteric nerves	colonic motility
The role of meninges in midbrain dopamine development	\$366,398	NEUROSCIENCE S	Central Nervous System	neural development	dopamine
Salt, opiates and addiction	\$547,465	NEUROSCIENCE S	Central Nervous System	opiates	dietary salt
Isoform-dependent apoE processing by human induced pluripotent stem cells. A novel pathway linking APOE genotype and Alzheimer's disease risk.	\$416,660	NEUROSCIENCE S	Cellular Nervous System	Alzheimer disease	apolipoprotein E
A novel treatment for ischemic stroke: preclinical assessment in the nonhuman primate	\$739,154	NEUROSCIENCE S	Central Nervous System	ischaemia	primate
The role of the central insulin-NPY pathway in the regulation of energy balance	\$460,106	NEUROSCIENCE S	Neurosciences not elsewhere classified	neuropeptide Y (NPY)	insulin
Long-term Nerve Damage in Cancer Survivors: Identification of Risk Factors and Optimal Assessment Strategies	\$818,441	NEUROSCIENCE S	Peripheral Nervous System	neurotoxicity	chemotherapy treatment effects
Identifying disease genes for neurogenetic disorders using next generation sequencing	\$2,416,718	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	gene discovery	disease gene
Studies of the Effects of Asymmetric Hearing Loss on the Brain	\$881,355	NEUROSCIENCE S	Sensory Systems	auditory system	hearing loss
Using artificial synapses to investigate the functional pathology underlying epilepsy	\$498,009	NEUROSCIENCE S	Central Nervous System	epilepsy	gamma-aminobutyric acid (GABA) receptors
CART control of appetite and energy balance	\$694,152	NEUROSCIENCE S	Neurosciences not elsewhere classified	appetite regulation	obesity
Brain pathways serving conscious and sub-conscious vision	\$553,555	NEUROSCIENCE S	Sensory Systems	visual pathways	visual function
Bilateral cochlear implants: restoring binaural processing by experience and training with binaural cues	\$932,195	NEUROSCIENCE S	Sensory Systems	cochlear implant	auditory processing
STOP-AUST: The Spot sign and Tranexamic acid On Preventing intracerebral haemorrhage growth – AUStralasia Trial	\$740,614	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	intracerebral haemorrhage	stroke
Cortical excitation in migraine: using vision to understand and track brain excitability	\$502,323	NEUROSCIENCE S	Sensory Systems	migraine	vision
Targeting Post-synaptic Tau to Treat Alzheimer's Disease	\$1,618,074	NEUROSCIENCE S	Cellular Nervous System	Alzheimer disease	amyloid beta-protein
Visuomotor integration in the medial parietal cortical areas	\$644,932	NEUROSCIENCE S	Central Nervous System	parietal cortex	electrophysiology
Understanding the mechanisms of PTEN transfer into glial cells using exosomes	\$549,495	NEUROSCIENCE S	Cellular Nervous System	neurobiology	neurodevelopmental disorders
How does chronic epilepsy result in cardiac electrophysiological dysfunction?	\$709,154	NEUROSCIENCE S	Central Nervous System	epilepsy	cardiac dysfunction
Complement activation as a therapeutic target and clinical biomarker for Parkinson's disease	\$482,492	NEUROSCIENCE S	Central Nervous System	Parkinson disease	complement C5a

Role of dendritic information processing in visual circuit computations	\$861,300	NEUROSCIENCE S	Sensory Systems	retinal function	neocortex
Determining the contribution of peripheral immune complement signalling in the progression of motor neuron disease	\$958,723	NEUROSCIENCE S	Neurosciences not elsewhere classified	motor neuron disease (MND)	neurodegeneration
Targeted nanoparticles to deliver combinations of calcium channel inhibitors to prevent myelin damage during secondary degeneration after neurotrauma	\$861,300	NEUROSCIENCE S	Central Nervous System	neurotrauma	calcium
Improving clinical translation in stroke: targeting cerebral oedema in a large animal model	\$617,203	NEUROSCIENCE S	Central Nervous System	stroke	intracranial pressure
Central neural regulation of brown fat function – glucose sensing and CNS pathways	\$732,656	NEUROSCIENCE S	Central Nervous System	central nervous system (CNS)	energy expenditure
Neural circuits for active vision in the primate cerebral cortex	\$613,472	NEUROSCIENCE S	Central Nervous System	visual cortex	visual attention
Targeting the synaptic actin cytoskeleton in Alzheimer's Disease	\$808,872	NEUROSCIENCE S	Cellular Nervous System	actin cytoskeleton	synaptic plasticity
DISSECTING THE ROLE OF NEUROLIGINS IN COGNITION	\$510,276	NEUROSCIENCE S	Central Nervous System	mouse models	gene knockout
Transgenerational impacts of paternal stress on offspring mental health: Epigenetic mechanisms and therapeutic interventions	\$554,937	NEUROSCIENCE S	Central Nervous System	anxiety disorders	depression
Treating progressive multiple sclerosis	\$488,475	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	multiple sclerosis (MS)	therapy
Chronic pain and calcium permeable AMPA receptors	\$559,154	NEUROSCIENCE S	Central Nervous System	neuropathic pain	pain mechanisms
Computational analysis of the influence of growth cone shape dynamics on axon guidance	\$335,492	NEUROSCIENCE S	Central Nervous System	mathematical modelling	axon guidance
Eye movements and the neural representation of visual space	\$445,106	NEUROSCIENCE S	Sensory Systems	vision	cerebral cortex
Identifying the neural signature of persistent pain	\$530,106	NEUROSCIENCE S	Central Nervous System	pain mechanisms	spinal cord injury
Identification of Parkinson's disease genes in Queensland families showing patterns of Mendelian inheritance.	\$452,077	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	parkinsonism	parkinsonism
Age- and energy-status dependent-plasticity of glucose sensing, orexigenic NPY Neurons: the glucose-ghrelin balance	\$560,526	NEUROSCIENCE S	Autonomic Nervous System	hypothalamus	glucose homeostasis
Axon degeneration and axon protection in CNS disease and injury	\$377,077	NEUROSCIENCE S	Cellular Nervous System	axonal degeneration	Alzheimer disease
Characterising a newly identified mechanism causing elevation of intracranial pressure after acute neurological injury	\$494,400	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	intracranial pressure	cerebrospinal fluid

Predicting treatment response to onabotulinumtoxin-a in MS-related tremor: a combined clinical, electrophysiological and neuroimaging approach.	\$524,894	NEUROSCIENCE S	Central Nervous System	multiple sclerosis (MS)	tremor
The functional interplay between alpha synuclein and synaptophysin in synaptic vesicle recycling	\$391,398	NEUROSCIENCE S	Cellular Nervous System	alpha-synuclein	Parkinson disease
Helping stroke physicians choose who to thrombolys - the "Targeting Optimal Thrombolysis Outcomes" (TOTO) study	\$1,031,671	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	stroke outcome	thrombolysis treatment
The genetic and environmental determinants of amyloid deposition in older individuals: an amyloid imaging study using the twin design	\$625,404	NEUROSCIENCE S	Central Nervous System	genetic markers	environmental risk factors
The modulation of neuronal activity by inter-cortical sensory input	\$614,664	NEUROSCIENCE S	Cellular Nervous System	dendrites	cortex
Gene-environment interactions modulating cognition and dementia in Huntington's disease	\$658,134	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	Huntington's disease	dementia
Dendritic activity and neuronal output during sensory perception	\$807,251	NEUROSCIENCE S	Sensory Systems	dendrites	sensory cortex
A 3D Cross-Modality Atlas of the Human Brainstem for Scientists and Clinicians	\$352,077	NEUROSCIENCE S	Central Nervous System	anatomy	brainstem
ASPREE- NEURO; aspirin and cerebral microhaemorrhages	\$956,186	NEUROSCIENCE S	Neurosciences not elsewhere classified	ageing	aspirin
High Resolution MRI Atlas of the Rat Brain	\$185,932	NEUROSCIENCE S	Central Nervous System	rat	brain imaging
Disruption to intracellular trafficking as a central pathogenic mechanism in amyotrophic lateral sclerosis (ALS)	\$664,154	NEUROSCIENCE S	Neurology and Neuromuscular Diseases	motor neuron disease (MND)	ageing
Dementia related deficits in striatal cholinergic function and decision-making	\$401,398	NEUROSCIENCE S	Central Nervous System	Parkinson disease	dementia with Lewy bodies
High-resolution brain imaging of basal ganglia function	\$570,364	NEUROSCIENCE S	Central Nervous System	basal ganglia	functional magnetic resonance imaging (fMRI)
Promoting regrowth of nerve fibres into the epidermis during diabetic neuropathy by LRP agonists	\$413,731	NEUROSCIENCE S	Peripheral Nervous System	neuronal regeneration	neuropathy
Disorders of action control and learning-related plasticity in the basal ganglia	\$421,398	NEUROSCIENCE S	Central Nervous System	basal ganglia	basal ganglia disorders
Dysfunctions in decision-making and the cognitive control of action	\$621,864	NEUROSCIENCE S	Central Nervous System	basal ganglia disorders	cognition
Intrinsic hearing protection mechanisms: a pathway to prevention of noise-induced hearing loss	\$601,864	NEUROSCIENCE S	Sensory Systems	hearing loss	genomics
	\$59,659,569				

原文标题: Grant Announcement 17 October 2014 - \$580.2 million

原文链接: <http://www.nhmrc.gov.au/grants/outcomes-funding-rounds>

原文标题: \$38.5 million of research to find mental health solutions

原文链接: <http://www.nhmrc.gov.au/media/releases/2014/38-5-million-research-find-mental-health-solutions>

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