

NHMRC-ARC Dementia Research Development Fellowships for Funding Commencing in 2016

The special joint NHMRC-ARC Dementia Research Development Fellowships (Dementia Fellowships) provide opportunities for postdoctoral researchers to undertake advanced training in the health, medical, fundamental sciences, social, economic and cultural fields relevant to dementia, in either Australia or overseas.

The information presented on this page is provided to the research community as advice about the outcomes of the competitive peer review process for this scheme.

NHMRC received 138 Dementia Fellowships applications in 2015, of which the 78 listed below have been awarded funding following approval by the Ministers for Health, and Education and Training. Successful applications are listed in application ID order.

In accordance with the Funding Agreement, between the Commonwealth of Australia and the Institution in respect of NHMRC research funding schemes, the Institution must ensure that all relevant reporting requirements are met and relevant approvals for the research are obtained and maintained for the duration of the project.

Funding will not commence until all relevant requirements, including eligibility, have been met.

APP ID	Priority Area*	CIA Name	Scientific Title	Administering Institution	Budget
1097026	3	Doctor Fiona Kumfor	Identifying novel markers to differentiate frontotemporal dementia from Alzheimer's disease	University of New South Wales	\$603,912.10
1097105	4	Doctor Belinda Brown	The role of intense physical activity in protecting the ageing brain	Edith Cowan University	\$600,079.15
1097185	1	Doctor Rajesh Ghai	Towards Targeting The Endosome In Neurodegenerative Disease	The University of Queensland	\$601,958.60
1097397	4	Doctor Ashleigh Smith	Optimising exercise prescription for brain health in older adults at risk of dementia	University of South Australia	\$594,122.60
1097435	5	Doctor Kate Laver	A telehealth intervention to delay functional decline in community-dwelling people with dementia	The Flinders University of South Australia	\$476,398.50

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1097461	2	Doctor Alexandra Grubman	Anti-inflammatory copper complexes for treatment of Alzheimer's Disease	University of Melbourne	\$603,622.00
1097696	4	Doctor Helen Macpherson	A multi-faceted intervention to enhance cognition in older people at risk of cognitive decline	Deakin University	\$600,224.20
1099245	5	Doctor Michael Annear	Improving Dementia Education Access (the IDEA study) for clinical hospital staff in regional and district hospitals: a cluster randomised study to improve knowledge and patient outcomes	University of Tasmania	\$599,758.40
1099457	3	Mr Shaun Frost	Early detection of Alzheimer's disease using ocular biomarkers	Commonwealth Scientific and Industrial Research Organisation	\$602,501.60
1099692	4	Doctor Alaa Abdul-Ridha	Targeting GPCRs to Treat and Prevent Dementia.	University of Melbourne	\$598,912.10
1100324	4	Doctor Kathryn Munro	Protecting synaptic connectivity in Alzheimer's disease	University of Melbourne	\$573,572.80
1100458	3	Doctor Scott Ayton	Novel mechanisms and diagnostic applications for iron in Alzheimer's disease	University of Melbourne	\$599,644.00
1100801	5	Doctor Joan Ostaszkiwicz	Develop, evaluate and disseminate a quality measure to manage incontinence in people with dementia in residential aged care facilities	Deakin University	\$573,140.00
1100862	3	Doctor Yifat Glikmann-Johnston	Spatial learning and memory in Huntington's disease	Monash University	\$475,968.80
1101258	2	Doctor Olga Shimoni	Investigation of zinc dyshomeostasis associated with aging and dementia-related disorders using novel nanodiamond-based markers	University of Technology Sydney	\$604,644.00

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1101788	4	Doctor Lisa Kalisch	Medicine-associated dementia and cognitive impairment: identifying the problem, reducing the harm	University of South Australia	\$513,116.00
1101865	5	Doctor Kate-Ellen Elliott	Work4Dementia: Development of an evidence-based intervention to build capacity and resilience for the Australian dementia care workforce	University of Tasmania	\$595,219.60
1102028	5	Doctor Moyra Mortby	BPSD-CARE: A person-centred approach to managing behavioural and psychological symptoms of dementia in residential care	Australian National University	\$600,627.00
1102272	3	Doctor Mitchell Goldsworthy	Combined TMS-EEG for early diagnosis of Alzheimer's disease	The University of Adelaide	\$603,767.05
1102462	3	Associate Professor Lisbeth Evered	Predicting perioperative cognitive disorders in the elderly based on cardiovascular risk, AD risk and new biomarkers	University of Melbourne	\$471,826.40
1102532	2	Ms Genevieve Steiner	An investigation into the neural substrates of cognitive deficits in Mild Cognitive Impairment, and the mechanisms of action of a novel treatment	University of Western Sydney	\$574,644.00
1102821	1	Doctor Miguel Renteria Rodriguez	Uncovering the Function of Susceptibility Variants in Alzheimer's Disease: From GWAS to Cell-Type Specific eQTLs and mQTLs	The Council of the Queensland Institute of Medical Research	\$647,804.00
1102969	3	Doctor Cristian Leyton	Disentangling aphasic syndromes in Alzheimer's disease	University of New South Wales	\$682,935.50

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1102977	2	Doctor Sarah Rea	How do mutations in autophagy receptors cause FTD and ALS?	University of Western Australia	\$566,966.00
1103157	5	Doctor Morag Taylor	Understanding and preventing physical and cognitive decline and falls in older people with dementia	University of New South Wales	\$509,625.52
1103311	4	Doctor Paul Gardiner	Stand up to dementia: Reducing prolonged sitting to improve cognitive function in older adults	The University of Queensland	\$603,900.60
1103312 **	4	Doctor Kylie Radford	Ageing and dementia in Aboriginal Australians: promoting vitality, identifying decline and supporting communities	University of New South Wales	\$603,410.70
1103860	1	Doctor Tuan Anh Nguyen	Development of a unified list of drugs associated with drug-induced cognitive impairment	University of South Australia	\$443,572.80
1103882	1	Doctor Simon James	Forging a new understanding of iron in neurodegenerative disease.	University of Melbourne	\$598,572.80
1103908	2	Doctor Sivaraman Purushothuman	Lewy bodies in patients with dementia – Determining common and unique mechanisms in relation to Alzheimer's disease	University of New South Wales	\$604,644.00
1104003	4	Doctor Camilla Hoyos	Sleep-wake disturbances and cardio-metabolic dysfunction in at risk dementia: a novel pathway in neurocognitive decline'	University of Sydney	\$558,305.00
1104162	4	Doctor Andrew Ford	Depression in Dementia	University of Western Australia	\$474,794.50
1104273	3	Doctor Nawaf Yassi	Vascular Cognitive Risk Score: quantifying the vascular burden in Alzheimer's Disease	University of Melbourne	\$627,179.60

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1104833	5	Doctor Ameer Baird	Can music mend minds? Investigating the mechanisms underlying the beneficial effects of music on persons with dementia	Macquarie University	\$411,108.40
1105538	1	Doctor Andrew Watt	In vivo assessment of the role of aggregated tau in preclinical and prodromal Alzheimer's disease	University of Melbourne	\$604,644.00
1105576	3	Doctor Rachel Buckley	What can tau deposition tell us about the appearance of subjective and objective cognitive decline in older adults?	University of Melbourne	\$674,076.85
1105777	5	Doctor Emily Reeve	Development and implementation of evidence-based deprescribing guidelines to guide person-centred care for people with dementia	University of Sydney	\$623,362.50
1105791	2	Ms Erin McAllum	Investigating biometal dyshomeostasis in dementia with Lewy bodies	University of Melbourne	\$554,644.00
1105809	5	Doctor Jamie Bryant	Increasing rates of Advance Care Planning for individuals with Dementia	The University of Newcastle	\$574,420.70
1105924	5	Doctor Theresa Scott	Rolling it out: Targeted translation intervention to improve driving cessation outcomes for people with dementia across metropolitan and regional areas	The University of Queensland	\$594,644.00
1105930	2	Doctor Mojtaba Golzan	Implications of retinal neurodegeneration in Alzheimer's disease	Macquarie University	\$602,213.20

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1106032	2	Doctor Daniel Croker	Targeting neuroinflammatory pathways as novel treatments for dementia	The University of Queensland	\$600,116.00
1106091	2	Doctor Mark Greenough	The role of copper in Ubiquitin-dependent protein degradation in Alzheimer's disease	University of Melbourne	\$588,622.00
1106170	4	Doctor Rachel Wong	Vasoactive nutrients to promote healthy ageing in postmenopausal women	The University of Newcastle	\$598,030.80
1106603	5	Doctor Jeanette Tamplin	Choir participation to improve wellbeing and relationship quality for community-dwelling people with dementia and their primary care-givers	University of Melbourne	\$569,698.20
1106751	2	Doctor Adam Martin	Self-assembled hydrogels as a model for neurodegeneration	University of New South Wales	\$594,644.00
1106911	2	Doctor Amy Heffernan	Investigating the iron proteome in Alzheimer's disease	University of Melbourne	\$514,644.00
1107109	2	Doctor Prashant Bharadwaj	Neuroprotective functions of autophagy regulators in Alzheimer's disease	Edith Cowan University	\$434,644.00
1107144	4	Doctor Christina Perry	The effect of chronic intermittent alcohol consumption on the precipitation of dementia	University of Melbourne	\$604,644.00
1107247	4	Doctor Shantel Duffy	Neuroimaging insights into sleep-wake dysfunction in older adults 'at risk' of developing dementia	University of Sydney	\$548,235.20
1107381	5	Doctor Edwin Tan	Optimising the management of comorbidities in dementia: reducing disparities and improving clinical outcomes	Monash University	\$603,894.00

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1107401	5	Doctor Lyn Phillipson	Consumer Directed Care: Understanding and promoting participation and care outcomes for people living with dementia in receipt of a Home Care Package	The University of Wollongong	\$571,648.00
1107476	5	Doctor Julia Gilmartin	Optimising medication use to maintain or improve quality of life in aged care facility residents with and without dementia	Monash University	\$600,627.00
1107657	2	Doctor Clement Loy	Longitudinal transcriptome profiles for people with dementia	University of Sydney	\$475,913.20
1107716	4	Doctor Angela D'Rozario	Sleep, plasticity and neurodegeneration: Targeting sleep to improve cognition in Mild Cognitive Impairment (MCI)	University of Sydney	\$525,116.00
1108258	1	Doctor Gabriela Bodea	L1 retrotransposition: the missing link between genetics and environmental factors in Parkinson's disease?	The University of Queensland	\$604,644.00
1108489	2	Doctor Sean Coakley	Discovering novel molecules that regulate axonal degeneration	The University of Queensland	\$588,622.00
1108520	4	Doctor Amit Lampit	Moving Behavioural Neuroscience & Neuroeconomics into Dementia Prevention: Spatial tracking and economic decision-making as new sensitive measures of daily function	University of Sydney	\$595,588.00

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1108527 **	5	Doctor Kate Smith	Development and validation of the first culturally based quality of life tool for Aboriginal Australians living with dementia or cognitive impairment	University of Western Australia	\$602,435.00
1108542	4	Doctor Manreena Kaur	Can repetitive transcranial magnetic stimulation improve cognition and neuropsychiatric features in mild cognitive impairment and early stage Alzheimer's disease?	University of Sydney	\$603,622.00
1108882	4	Doctor Surabhi Bhatia	Role of Apolipoprotein D in Alzheimer's Disease and Frontotemporal Dementia	University of New South Wales	\$575,612.00
1109197	5	Doctor Sandra Garrido	Mood Regulation Using Music: A Community Health Strategy for Improving Quality of Life in People With Mild Dementia	University of Western Sydney	\$601,540.40
1109482	2	Doctor Christopher Moran	Dementia in Type 2 Diabetes – studying causal mechanisms	Monash University	\$514,786.40
1109618	4	Doctor Loren Mowszowski	Cognitive interventions for older adults at-risk of dementia and with early-stage neurodegenerative disease	University of Sydney	\$544,347.74
1109945	4	Doctor Kristian Kempe	Novel targeted degradable multifunctional poly(vinyl-co-ester) nanoparticles for Alzheimer's disease applications	Monash University	\$601,940.00
1109959	4	Doctor Xin Du	Investigating the synergistic role of brain-derived neurotrophic factor (BDNF) and estradiol on parvalbumin-mediated cognitive function: relevance to dementia	University of Melbourne	\$589,644.00

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1110040	1	Ms Samantha Barton	The Role of Oligodendrocytes in Frontotemporal Dementia	Monash University	\$625,292.00
1110041	2	Mrs Rachel Okolicsanyi	The role of proteoglycans in neurodegeneration	Queensland University of Technology	\$569,644.00
1110183	3	Doctor Sharpley Hsieh	Cognition in Motion: Characterization and Evolution of Cognitive Dysfunction in Motor Neurodegeneration and Frontotemporal Dementia	University of Sydney	\$604,105.50
1110215	5	Doctor Elizabeth Evans	Dementia in people with Intellectual Disability: A longitudinal study with focus on translatable outcomes	University of New South Wales	\$468,151.20
1110369	2	Doctor Rachel Tan	Dual and Multiple Proteinopathies in Neurodegenerative Dementias – Risk Factors, Prognostic Indicators and Clinical Ramifications	University of New South Wales	\$604,644.00
1110400	2	Doctor Timothy Couttas	Myelin lipid breakdown affected by Apolipoprotein E genotype: implications for Alzheimer's Disease pathogenesis	University of New South Wales	\$534,644.00
1110414	3	Associate Professor Simon Lewis	Predicting Dementia and Parkinson's in the Clinic	University of Sydney	\$625,572.80
1110975	2	Doctor Leonardo Gollo	From brain maps to mechanisms: Modelling the pathophysiology of dementia	The Council of the Queensland Institute of Medical Research	\$604,512.97
1111206	1	Mr Sam Buckberry	The role of the neuronal epigenome in natural brain ageing and the progression of Alzheimer's disease	University of Western Australia	\$584,644.00

APP ID	Priority Area*	CIA Name	Scientific Title	Administering Institution	Budget
1111552	2	Doctor Emma Burrows	The missing link: mGluR5 as a therapeutic target for cognitive decline in dementia	University of Melbourne	\$563,622.00
1111603	2	Doctor Yen Ying Lim	Genetic mechanisms that moderate effects of A β accumulation in preclinical Alzheimer's disease	University of Melbourne	\$603,525.30
1111611	4	Doctor Bingyang Shi	New Nanoparticle Strategies for Efficient Delivery and Controlled Release into the Brain	Macquarie University	\$571,633.00

*The priority areas of the dementia research addressed by each application are denoted below:

1. Research into origins of dementia and related neurodegenerative disease
2. Research into disease mechanisms and models
3. Disease definitions and diagnosis research
4. Treatment and prevention research
5. Health and social care research

**Application targeting Aboriginal and Torres Strait Islander health issues relevant to dementia