



**Australian Government**

**National Health and Medical Research Council**

## Research Fellowships for funding commencing in 2018

The Research Fellowships scheme aims to recruit and support Australia's very best medical and health research talent in full-time research during the most productive years of their research life to further develop as leaders in their field and contribute to the Australian research community through active participation.

A critical objective of the scheme is to foster an intellectual environment which supports and builds the capacity of Australian research for the future and in so doing, creates knowledge through investment in research which improves health and thus contributes to Australia's prosperity.

Research Fellowships are awarded at four levels, increasing in order of experience and seniority as follows:

- Senior Research Fellow A (SRF A)
- Senior Research Fellow B (SRF B)
- Principal Research Fellow (PRF)
- Senior Principal Research Fellow (SPRF)

The applications listed below were approved for funding by the Minister for Health and Minister for Sport.

<b>Application ID</b>	<b>Applicant Name</b>	<b>Level</b>	<b>Scientific Title</b>	<b>Administering Institution</b>	<b>Amount</b>
APP1135806	Professor Frank Caruso	SPRF	Advancing nanomedicine through particle technology	University of Melbourne	\$876,005.00
APP1135814	Professor George Paxinos	SPRF	3D histological and MRI atlases of brain and spinal cord for research and clinical practice	University of New South Wales	\$876,005.00

APP1135820	Professor Nicholas Anstey	SPRF	Pathophysiology and treatment of malaria in our region	Menzies School of Health Research	\$951,005.00
APP1135837	Professor Ross Bathgate	SRF B	GPCR targeted therapeutics	Florey Institute of Neuroscience and Mental Health	\$707,370.00
APP1135843	Professor Susan Davis	SPRF	Women's hormones and health across the adult life span	Monash University	\$951,005.00
APP1135864	Professor David Vaux	SPRF	Regulation and mechanisms of cell cycling, cell senescence and cell death	The Walter and Eliza Hall Institute of Medical Research	\$876,005.00
APP1135886	Professor Sally Dunwoodie	PRF	Identifying the genetic and environmental causes of congenital malformation	Victor Chang Cardiac Research Institute Limited	\$774,540.00
APP1135896	Doctor Timothy Bredy	SRF A	Cracking the epigenetic code: understanding the mechanisms of memory associated with anxiety-related disorders and their treatment	University of Queensland	\$640,210.00
APP1135897	Associate Professor Amanda Salis	SRF B	Optimising benefits and minimising potential harms of obesity treatments	University of Sydney	\$707,370.00
APP1135898	Professor Gabrielle Belz	SPRF	Delineating immune circuits for innate and adaptive immune protection	The Walter and Eliza Hall Institute of Medical Research	\$876,005.00
APP1135916	Professor Janna Morrison	SRF A	Promoting healthy heart development for a healthy heart in adult life	University of South Australia	\$640,210.00
APP1135928	Professor Thomas Preiss	SRF B	Mechanisms and patterns of post-transcriptional gene control	Australian National University	\$707,370.00

APP1135932	Associate Professor Stacey Edwards	SRF A	High-throughput identification and targeting of new breast cancer genes	The Council of the Queensland Institute of Medical Research	\$640,210.00
APP1135949	Professor Timothy Hughes	PRF	Improving leukaemia outcomes	South Australian Health and Medical Research Institute Limited	\$849,540.00
APP1135971	Professor Michael Hickey	SRF B	Understanding leukocyte function in inflammatory disease	Monash University	\$707,370.00
APP1135974	Professor Boris Martinac	PRF	Mechanosensory biophysics program	Victor Chang Cardiac Research Institute Limited	\$774,540.00
APP1135991	Professor Louisa Degenhardt	PRF	Increasing knowledge about substance use, mental health and harms, and interventions to prevent and reduce harm	University of New South Wales	\$849,540.00
APP1135995	Professor Hylton Menz	SRF B	Improving outcomes for older people with musculoskeletal foot disorders	La Trobe University	\$782,370.00
APP1136021	Associate Professor Brett Collins	SRF A	Peripheral membrane proteins in health and disease	University of Queensland	\$640,210.00
APP1136046	Professor Trevor Mori	SRF A	Investigating the mechanisms and preventative strategies to alleviate the burden of cardiovascular disease	University of Western Australia	\$640,210.00
APP1136058	Professor Mark Dadds	PRF	Early childhood mental health: pathways, treatment, access, and community literacy	University of Sydney	\$849,540.00

APP1136080	Professor David Kaye	SPRF	Improving outcomes in heart failure through basic, clinical and translational research	Baker Heart and Diabetes Institute	\$951,005.00
APP1136085	Professor Melissa Little	SPRF	Regenerating the kidney using an understanding of normal development	Murdoch Childrens Research Institute	\$951,005.00
APP1136100	Associate Professor Vicki Clifton	SRF B	Improving outcomes in pregnancies complicated by asthma: understanding mechanisms and defining interventions	University of Queensland	\$707,370.00
APP1136117	Professor Jane Hocking	SRF B	Enhanced prevention and control of sexually transmitted infections	University of Melbourne	\$782,370.00
APP1136119	Associate Professor Oliver Sieber	SRF A	Translational genomics and combinatorial drug discovery to improve outcomes for patients with colorectal cancer	The Walter and Eliza Hall Institute of Medical Research	\$640,210.00
APP1136128	Professor Emily Banks	PRF	Large-scale epidemiology, chronic disease and disadvantaged populations: evidence and translation	Australian National University	\$849,540.00
APP1136130	Professor Jean-Pierre Levesque	SRF A	Stem cell niches: biology and therapeutic applications	University of Queensland	\$640,210.00
APP1136192	Associate Professor Alexander Fornito	SRF A	Maps, models and modifiers of brain changes in psychosis	Monash University	\$715,210.00
APP1136197	Associate Professor Sandra Cooper	SRF A	Translating innovations in genomic medicine for diagnosis and treatment for families with rare neuromuscular disorders	University of Sydney	\$640,210.00

APP1136216	Associate Professor Suzanne Miller	SRF B	Implementing neuroprotective strategies for fetal growth restriction	Monash University	\$782,370.00
APP1136241	Professor Lars Ittner	PRF	Novel pathomechanisms and treatment approaches in Alzheimer's disease and related forms of dementia	University of New South Wales	\$774,540.00
APP1136250	Professor Mark Stevenson	SRF B	Cars and cities: reducing road trauma and enhancing population health	University of Melbourne	\$707,370.00
APP1136259	Professor Ian Hickie	SPRF	Optimising personalised care, at scale, for young people with emerging mood disorders	University of Sydney	\$951,005.00
APP1136300	Professor Tania de Koning-Ward	SRF A	Interaction of malaria parasites with their host	Deakin University	\$640,210.00
APP1136322	Professor Stephen Kent	PRF	Improved HIV and influenza vaccines	University of Melbourne	\$849,540.00
APP1136344	Professor Susan Cotton	SRF A	Understanding illness trajectories and developing novel therapies for individuals with psychosis	University of Melbourne	\$640,210.00
APP1136372	Professor Christopher Reid	PRF	Improving the prevention, treatment and management of cardiovascular & chronic disease in the community	Curtin University	\$774,540.00
APP1136430	Professor Rebecca Ivers	SRF B	Reducing the global burden of injury through effective prevention and trauma care	The George Institute for Global Health	\$782,370.00
APP1136537	Professor Roger Smith	SPRF	Optimising future human health by optimising birth outcomes	University of Newcastle	\$876,005.00

APP1136548	Professor Peter Eastwood	SRF A	Sleep disorders and human health - prevalence, pathogenesis, diagnosis and treatment	University of Western Australia	\$640,210.00
APP1136550	Associate Professor Scott Mueller	SRF A	Defining the coordination of immune responses to pathogens	University of Melbourne	\$640,210.00
APP1136567	Professor Peter Currie	SPRF	Genetic basis for skeletal muscle formation and regeneration in development and disease	Monash University	\$876,005.00
APP1136592	Professor Alpha Yap	SPRF	Mechanobiology of epithelial homeostasis in health and disease	University of Queensland	\$876,005.00
APP1136649	Doctor Andrew Zalesky	SRF B	Neuropsychiatric connectomics	University of Melbourne	\$707,370.00
APP1136680	Associate Professor Phillip Darcy	PRF	New strategies for enhancing chimeric antigen receptor (CAR) T cell therapy for cancer	University of Melbourne	\$849,540.00
APP1136813	Professor Kate Denton	PRF	Targeting prevention and treatment of hypertensive cardiovascular disease	Monash University	\$774,540.00
APP1136829	Professor Alison Yung	PRF	Outcome prediction, stratification and novel treatments in individuals at ultra high risk of psychosis	University of Melbourne	\$774,540.00
APP1136889	Professor Glenn King	PRF	Venoms to drugs: translating venom peptides into human therapeutics	University of Queensland	\$774,540.00
APP1136898	Professor Anushka Patel	PRF	Improving outcomes in chronic disease prevention and control	The George Institute for Global Health	\$849,540.00

APP1136908	Professor Paul Dietze	SRF B	Reducing the key alcohol and other drug related harms in Australia	Burnet Institute	\$782,370.00
APP1136923	Professor Paul Scuffham	SRF B	Striking the balance: combining best patient outcomes and cost-effective interventions to manage cardiovascular disease	Griffith University	\$782,370.00
APP1136970	Associate Professor Mark Stoove	SRF A	Towards HIV and hepatitis C elimination: real-world trials and innovations in disease surveillance	Burnet Institute	\$640,210.00
APP1136974	Doctor Paul Timpson	SRF A	Biosensor imaging in preclinical pancreatic cancer targeting: taking cancer targeting to new dimensions	The Garvan Institute of Medical Research	\$640,210.00
APP1136988	Doctor Jane Muir	SRF A	Changing therapeutic paradigms for intestinal health: diet as a therapeutic strategy in gastroenterology	Monash University	\$640,210.00
APP1137064	Professor Phillip Robinson	SPRF	Molecular mechanisms of protein function and pharmacology in neuroscience and cancer	University of Sydney	\$876,005.00
APP1137071	Professor Anthony Keech	SPRF	Innovations in prevention and treatment of vascular disease	University of Sydney	\$876,005.00
APP1137285	Professor Denise Doolan	PRF	System-based approaches to inform the design of immunotherapies and immunodiagnostics against chronic pathogens	James Cook University	\$849,540.00

APP1137349	Professor John Hopper	SPRF	Using twin and family studies to make genomics relevant to population health	University of Melbourne	\$876,005.00
APP1137415	Associate Professor Sarah-Jane Dawson	SRF A	Circulating tumour DNA for precision medicine	University of Melbourne	\$640,210.00
APP1137563	Professor Alex Brown	SRF B	Understanding and overcoming cardiovascular and diabetes inequalities in Indigenous Australians	University of South Australia	\$707,370.00
APP1137582	Professor Raina MacIntyre	PRF	Protecting Australia and the region from emerging and re-emerging infectious diseases	University of New South Wales	\$774,540.00
APP1137645	Associate Professor Roger Pocock	SRF A	Decoding mechanisms of brain-intestinal communication	Monash University	\$640,210.00
APP1137687	Associate Professor C. Barnaby Nelson	SRF A	Can we predict psychosis and can it be prevented?	University of Melbourne	\$640,210.00
APP1137714	Professor David Evans	SRF B	Developing and applying statistical genetics methods to identify genes, molecular biomarkers and environmental agents that causally affect risk of complex musculoskeletal diseases	University of Queensland	\$707,370.00
APP1137739	Professor Anthony Purcell	PRF	Understanding the complexity of antigen presentation	Monash University	\$774,540.00
APP1137745	Professor Caroline Homer	PRF	Delivering quality maternal and newborn care: Translating 'evidence-based practice' into 'every-day practice'	University of Technology Sydney	\$849,540.00



APP1137862	Professor Leanne Togher	SRF B	Advancing life participation outcomes following traumatic brain injury (TBI) by improving communication skills: from the bedside to the barbeque	University of Sydney	\$782,370.00
APP1138466	Professor Michael Jennings	PRF	Targeting glycointeractions to generate new opportunities to treat and prevent bacterial infections	Griffith University	\$774,540.00
APP1138585	Professor Paul Baird	SRF B	Pathways to precision medicine in eye disease	Centre for Eye Research Australia Limited	\$707,370.00
APP1139071	Doctor Nicola Waddell	SRF B	Clinical application of genomic approaches for cancer	The Council of the Queensland Institute of Medical Research	\$707,370.00
APP1139466	Associate Professor David Curtis	SRF A	Curing blood cancers: rapid translation from target to drug to clinic	Monash University	\$640,210.00
APP1139607	Doctor Axel Kallies	SRF B	Transcriptional and metabolic regulation of effector and memory lymphocyte differentiation	The Walter and Eliza Hall Institute of Medical Research	\$707,370.00
APP1140313	Associate Professor Nicola Harris	SRF A	Type 2 immunity: a regulator of physiology, tissue repair and metabolism	Monash University	\$640,210.00
APP1140691	Doctor Shane Grey	SRF B	Pancreatic islet inflammation and its role in diabetes and islet transplantation	The Garvan Institute of Medical Research	\$707,370.00
APP1141509	Associate Professor Di Yu	SRF A	Control the function of cytotoxic T cells	Australian National University	\$640,210.00