



Research Report 2019



NeuRA

Discover. Conquer. Cure.

CONTENTS

NeuRA Summary	1
2019 At a Glance	3
Our People	4
Research Funding	5
Collaboration	15
Benchmarking	16
Publications	19
Recognition.....	42
Translation Stories	44

NEURA SUMMARY

Our Vision & Mission

“Our vision is to prevent and cure disease and disability of the brain and nervous system through leadership, excellence and innovation in neuroscience research.”

About Us

NeuRA (Neuroscience Research Australia) is one of the largest independent centres of research on the brain and nervous system in Australia, based in Randwick, Sydney. Recognised as an international leader in research, NeuRA is changing the face of research into diseases and disorders of the brain and nervous system, not just in Australia, but around the world. Our eminent neuroscientists, clinicians and outstanding research leaders relate laboratory-based research to clinical research involving patients to ensure that our discoveries are translated into health benefits for people as soon as possible. The institute hosts over 300 staff and students in 44 neuroscience research teams spread across five broad themes. NeuRA is an independent, not-for-profit, medical research institute. It is affiliated with the University of New South Wales and South Eastern Sydney Local Health District.

Our Values

Excellence, Innovation, Human Impact, Respect, Integrity, Collaboration

<i>Excellence</i>	We aspire to excellence in research
<i>Innovation</i>	We value inquiring minds and innovation
<i>Human Impact</i>	We strive for meaningful and human health impacts and outcomes
<i>Respect</i>	We respect, trust and care for each other
<i>Integrity</i>	We stand for integrity and accountability in all we do
<i>Collaboration</i>	We build long lasting collaborative relationships

Our Name

Neuroscience The science of the brain and nervous system. It is our focus, expertise and dedication.

Research Our passion is to understand how the brain and nervous system work. Our brain controls our thoughts, feelings and mobility. It powers the electrical system that controls our heart beat, our ability to work, breathe and swallow. But these can be stolen by disease, mental illness and injury. The solutions will only be found through medical research. Research provides the power to cure.

Australia Our position in the global research environment. Our research is for Australia because it impacts all Australians, directly and indirectly.

Our Research

The focus of NeuRA's work has always been on neuroscience. Our research portfolio includes both clinical and laboratory research into neurological, psychiatric and psychological disorders. Our research activity is organised into five themes:

Ageing & Neurodegeneration: Alzheimer's disease and other dementias, Parkinson's disease, Motor Neurone Disease, ageing research in indigenous populations

Brain Structure & Function: Brain mapping for research and clinical use, biochemical and structural bases of brain function, development of MRI methods

Neural Injury: Spinal cord injury, assessment and prevention of road trauma in children

Mental Illness: Schizophrenia, bipolar disorder, depression and resilience

Sensation, Movement, Balance & Falls: Human movement, fatigue, sleep apnoea, balance and vision, neural control of muscles, falls in older adults, chronic pain

NeuRA houses several specialist research facilities, including the Sydney Brain Bank, the Transurban Road Safety Centre, NeuRA Imaging a 3T MRI imaging research facility, a 25m Gait lab, the Spinal Cord Injury Research Centre, several Research Volunteer Registries and dedicated mechanical and electrical workshops.

Leadership

Professor Peter R Schofield AO FAHMS PhD DSc, has been the CEO of Neuroscience Research Australia since 2004. Professor Simon Gandevia MD PhD DSc FAA FRACP, is Deputy Director and was one of four foundation scientists. Dr Kate Johnston PhD MBA is Chief Operating Officer and Mr Grant Simpson B Comms (Hons), AIM FIA is Foundation Director. Associate Professor Kim Delbaere PhD is Chair of the Research Committee.

Governance

Neuroscience Research Australia (NeuRA) is the not-for-profit company that was incorporated on 4 November 1991 to govern the institute. The company was founded by the University of New South Wales and the Eastern Sydney Area Health Service.

The Mindgardens Alliance Establishment Agreement was signed on 22 December 2017 and was passed by board resolution on 8 February 2018. As a consequence, seven directors resigned and were replaced with seven new directors. The aim of the Alliance is to build a world class, internationally recognised, research collaboration, based on the complementary skills and capacity of the Alliance members, UNSW Sydney, South Eastern Sydney Local Health District, Black Dog Institute and Neuroscience Research Australia.

The Board comprises up to 14 directors. There are two nominees each from the founding stakeholders, the University of New South Wales and the South Eastern Sydney Local Health District, plus one nominee from the State via the NSW Minister for Medical Research. There are eight positions for independent directors. The Chairman is John Grill, AO BSc BE(Hons) Hon DEng, Chairman of Worley Limited. The directors are also the sole members of the company. The Board meets bimonthly. As part of the establishment of the Mindgardens Alliance, the NeuRA Governing Council was established as a committee of the Board to oversee the operations of the NeuRA Division.

Funding

NeuRA attracts competitive external grant funding from national and international organisations, infrastructure funds from state and federal governments and substantial philanthropic support. Total peer-reviewed funds for the 2019 calendar year from 213 active grants and awards from 70 funding bodies, totalled \$26.75 million. The most significant funding body is the NHMRC which awarded \$10.41 million in 2019. This includes 20 Research and Postdoctoral Fellowships, 39 Research and Targeted Grants, 3 Centres of Research Excellence, 1 Scholarship and involved in 4 Partnerships Grants. The Australian Research Council awarded \$1.05 million in 2019 through involvement in 2 Centres of Research Excellence and 7 Project Grants.

Through the NSW Government's Medical Research Support Program, NeuRA secured \$4.1 million in 2019. NeuRA also received \$2.3 million in 2019 from UNSW for research infrastructure.

The NeuRA Foundation was established in 2007 to enhance philanthropic fundraising to underpin the activities of the institute. The Foundation raised \$8 million in philanthropic support in 2019. To date, it has raised \$58 million.

Total income in 2019 was \$28.9 million and operational expenditure was \$25.6 million.

The Neuroscience Research Precinct

The Margaret Ainsworth Building was completed in December 2012 and was officially opened on 23 July 2013 by Health Ministers Tanya Plihersek and Jillian Skinner. The building provides 8,165m² of new, purpose-built space, more than doubling our existing research space. Funding of over \$70 million has been secured for this project - \$36 million from the Federal Government and \$16 million from the State Government, in addition to \$22 million from donors and philanthropic organisations.

The new building forms the first stage of a four stage development to create a larger Neuroscience Research Precinct, the Mindgardens project. The precinct development has secured full project planning approvals and will allow the consolidation of the many neuroscience research strengths from the UNSW and the POW Hospital campuses. Once fully developed, the precinct will provide six stories of research space, 25,000m² floor space and be able to house up to 700 researchers.

2019 AT A GLANCE

Public & Community Involvement



51 new volunteers joined our healthy research volunteer registry to take our total to 800 at the end of 2019

Over 300 participating in in-home technology-based falls prevention programs



98 diagnostic sleep studies were conducted

49 brain, 17 spinal cord donations.
> 6500 samples for national and international research projects



325 attended 38 private or small tours of NeuRA



Average monthly website page views NeuRA: 47,714

5,256 LinkedIn followers



Average monthly video views: 6,341

4,405 twitter followers



15,446 Facebook followers

Colour Your Hair for Mental Health
2,023 Facebook followers

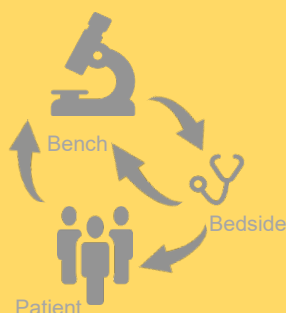


Performance



212 active awards from 66 funding bodies

28 clinical research trials underway



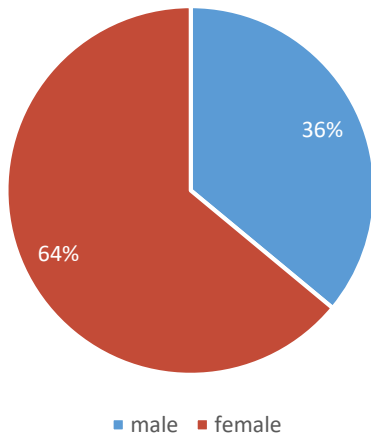
342 publications

Over 2,000 participants in the Colour Your Hair for Mental Health Campaign

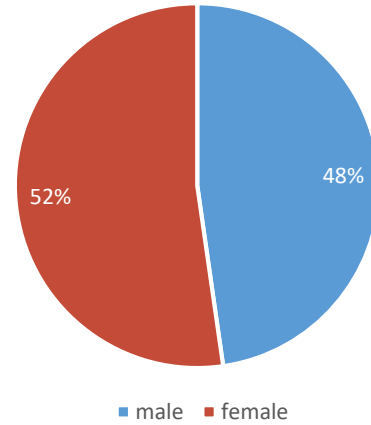


OUR PEOPLE

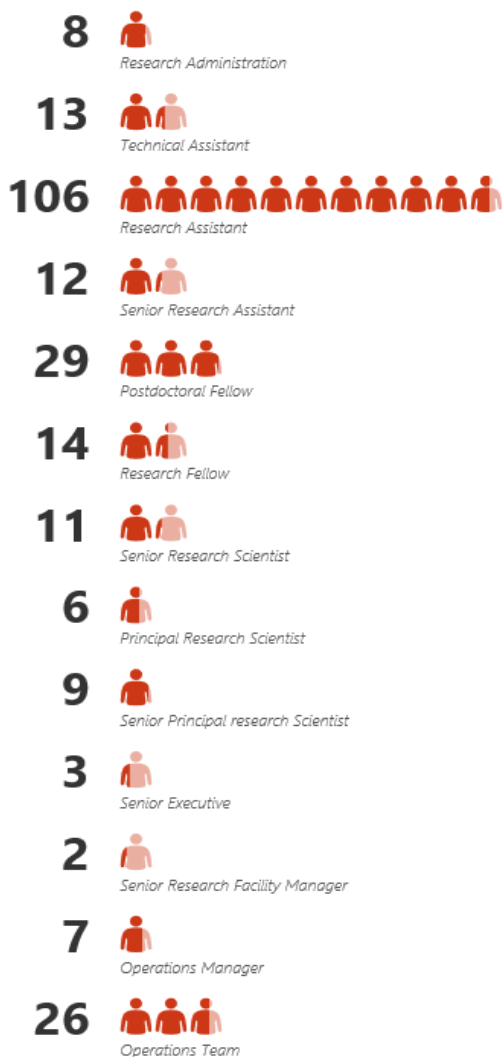
ALL STAFF & STUDENTS



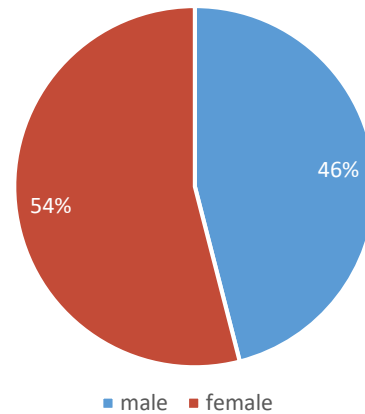
TEAM LEADERS



STAFF BY CATEGORY



HDR STUDENTS



PEOPLE SUPPORT



2019 RESEARCH FUNDING

Summary information on competitive peer-reviewed research grants, fellowships and scholarships, and other sources of external research grant income, applied for and awarded for expenditure through the calendar year 2019:

National Health and Medical Research Council

Anstey K. Principal Research Fellowship (2016-2020), 2019 amount \$150,660

Anstey K, Lautenschlager N, Sachdev P, Cerin E, Shaw J, Cherbuin N, Ellis K, McCrae I, Clare L. Centre of Research Excellence in Cognitive Health: Evidence, intervention and population modelling, Centre of Research Excellence (2016-2020), 2019 amount \$172,785.07

Anstey K, Peters R, Lautenschlager N, Shaw J, Anderson C, Jorm L, Kiely K, Whitmer R, Matthews F, Kivipelto M. Translating the evidence on dementia risk reduction to generate assessments, advice and training for health professionals, policy makers, patients and public, Boosting Dementia Research Grant (2019-2023), 2019 amount \$63,977 *Administered by UNSW Psychology*

Anstey K, Wood J, Delbaere K, Bedard M, Brown J, Kiely K, Clare L, Lung T. Driving Longer and Better: Evidence-based interventions for older drivers, Project Grant (2019-2024), 2019 amount \$101,198.67

Anstey K. Self-management and HeAlth Promotion in early-stage dementia with E-learning for carers - A randomised controlled trial (SHAPE), Boosting Dementia Research Grant (2019-2021), 2019 amount \$280,491.60

Bilston LE. Senior Research Fellowship B (2015-2019), 2019 amount \$135,162

Bilston LE, Burke P, McMullan S. A novel optical stimulation method for Obstructive Sleep Apnoea Treatment, Project Grant (2018-2020), 2019 amount \$200,195

Brew B, Cysique L. Identification and quantification of HIV Latency biomarkers in the Central Nervous System, Project Grant (2016-2019) *Administered by St Vincents Clinical School*

Brodaty H, Valenzuela M, Sachdev P, McNeill J, Maeder A, Lautenschlager N, Jorm L, Fiore Singh M, Anstey K, Andrews G. Maintain our Brain, Dementia Research Teams Grant (2016-2020), 2019 sub-award amount \$1,017,047.46

Brodaty H, Anstey K, Beattie E. Dementia Centre for Research Collaboration (2018-2020), 2019 sub-award amount \$1,333,333.33

Brown J. Industry Career Development Fellowship Level 2 (2017-2020), 2019 amount \$58,768

Brown J, Bilston L, Keay L, Charlton J, Hayen A. Enhanced methods of communicating correct use of child car restraints: A controlled trial, Project Grant (2017-2020), 2019 amount \$254,163.60

Butler J, Gandevia S, Hudson A, McKenzie D. How neural impairment affects respiratory motor function in chronic obstructive pulmonary disease and healthy ageing, Project Grant (2018-2021), 2019 amount \$213,063.50

Butler J. Senior Research Fellowship A (2019-2023), 2019 amount \$129,835

Close J, Harvey L, Harris I, Mitchell R. Identifying and addressing unwarranted clinical variation in hip fracture care to improve health outcomes, Project Grant (2019-2023), 2019 amount \$210,709

Delbaere K. Using technology towards effective self-management of fall risk in older adults, Career Development Fellowship (Level 2) – Industry (2016-2019), 2019 amount \$115,913

Delbaere K, Anstey K, Proudfoot J, Callisaya M, O'Dea B. A novel, technology-based program targeting physical, cognitive and mental well-being to maximise fall prevention in older people: an evidence-based multifactorial approach, Project Grant (2018-2021), 2019 amount \$326,147.60

Delbaere K, Lord S, Clemson L, Close J, Howard K, Herbert R, Todd C. Engaging and supporting older people in fall prevention in the community: International implementation study, Partnership Project for Better Health (2018-2020), 2019 amount \$361,405.50

Dobson A, Flicker L, Comans T, Waller M, Anstey K, Almeida O, Nguyen K-H, Muniz Terrera G. Improving Australia's Dementia Statistics, Boosting Dementia Research Grant (2019-2021), *Administered by The University of Queensland*

Eades S, Banks E, Anstey K, Carrington M, McAullay D, Kalter-Leibovici O, Joshy G, Nelson L, Agostino J, Page E. Multifactorial, multidisciplinary nurse led Aboriginal dementia prevention through cardio-metabolic risk reduction, behaviour change and other strategies: a pragmatic RCT, NHMRC Targeted Call (2018-2023), *Administered by University of Melbourne*, UNSW Sub-Award amount: \$24,727.03

Eckert D. Senior Research Fellowship (General) SRF-A (2017-2021), 2019 amount \$10,522.86

Gandevia SC. Senior Principal Research Fellowship + SEO (2015-2019), 2019 amount \$182,383

Gatt J, Turner R, Williams L. Neural trajectories towards vulnerability versus resilience: A longitudinal twin study Project Grant (2017-2021), 2019 amount \$322,913

Goodchild A, McMullan S, Burke P, Dampney R, Cornish J. Light, sound and touch influence the autonomic nervous system via a non-canonical pathway, Project Grant (2017-2019), *Administered by Macquarie University*

Goodnow C, Craig M, Roscioli T, Andrews T, Gunton J, Deenick E, Wong M, Gray P, Teo J. De novo mutations and the pathogenesis of childhood-onset autoimmune disease, Project Grant (2016-2019), *Administered by the Garvan Institute*

Green M, Carr V, Laurens K, Dean K, Badcock J. Developmental schizotypy in the general population: Early risk factors and predictive utility, Project Grant (2018-2022), *Administered by UNSW, School of Psychiatry*

Grunstein R, D'Rozario A, Phillips C, Wong K, Hoyos C, Naismith S, Vakulin A, Eckert D. "Local Sleep" in the Awake Brain: An Underlying Cause of Neurobehavioural Deficits in Sleep Apnea?, Project Grant (2018-2020), *Administered by The Woolcock Institute*

Halliday G, Hodges J, Lewis S, Piguet O, Kril J, Kwok J, Villemagne V, Kiernan M, Rowe D, McKeith I. Non-Alzheimer's disease degenerative dementias: Identifying prodromal genetic/familial phenotypes, modifying factors, and protein variations involved in progression, Dementia Research Teams Grants (2015-2020), 2019 sub-award amount \$103,319.81

Harvey L, Herbert R, Taylor V, Stephen J, Cameron I, Hossain M. CIVIC: A randomised trial of a low-cost, community-based model of care to prevent serious complications and premature death after spinal cord injury in Bangladesh, Project Grant (2015-2019), *Administered by the University of Sydney*

Herbert R. Principal Research Fellowship (PRF) (2017-2021), 2019 amount \$167,769

Herbert R, Novak I, Rae C, Warton D, Bolsterlee B, Morgan C, Cerebral Palsy Alliance. Muscle growth and muscle contracture in cerebral palsy, Project Grant (2019-2023), 2019 amount \$167,031.20

Karl T, Shannon Weickert C. Neuregulin 1 Type III Overexpression and Schizophrenia, Project Grant (2016-2019) Administered by University of Western Sydney, 2019 sub-award amount \$18,110.24

Kaur M. Peter Doherty Australian Biomedical Fellowship (2016-2020), 2019 amount \$13,110.16

Kiely K. Estimating and alleviating the impacts of age-related sensory decline, Early Career Fellowship (2018-2019), 2019 amount \$81,798.76

- LoGuidice D, Flicker L, Bessarab D, Wenitong M, Atkinson D, Smith K, Strivens E, Radford K, Thompson S. Let's CHAT (Community Health Approaches To) - Dementia in Indigenous Communities, Targeted Calls for Research (TCR) into Dementia in Indigenous Australians (2019-2023), 2019 sub-award amount \$10,000.00
- LoGuidice D, Flicker L, Bessarab D, Atkinson D, Wenitong M, Thompson S, Smith K, Strivens E, Radford K. Improving Detection and management of dEmentia in older Aboriginal and Torres Strait Islanders attending Primary Care (IDEA-PC), Boosting Dementia Research Grants (2018-2020), 2019 sub-award amount \$130,307
- Lord S. Senior Principal Research Fellowship (SPRF) (2017-2021), 2019 amount \$187,782
- Martins R, Anstey K, Naismith S, Baker L, Kivipelto M, Sohrabi H, Burhnam S, Villemagne V, Grieve S, Yates P. The Australian multi-domain Approach to Reduce dementia Risk by protecting brain health with lifestyle intervention (AU-ARROW), MRFF International Clinical Trials Scheme (2019-2023), *Administered by Macquarie University*
- McAuley J, Gustin S, McLachlan A, Lamb S, Birbaumer N, Flor H, Lotze M, O'Connell N, Lee H. MEMOIR: A multi-national randomised factorial placebo-controlled trial with embedded mechanism evaluation of memantine and graded motor imagery for complex regional pain syndrome, Project Grant (2019-2022), *Administered through UNSW School of Medical Sciences*
- McCaughey E. Peter Doherty - Australian Biomedical Fellowship (2017-2020), 2019 amount \$79,692
- Mortby M. BPSD-CARE: A person-centred approach to managing behavioural and psychological symptoms of dementia in residential care, NHMRC-ARC Dementia Research Development Fellowships (2016-2019), *Administered through UNSW School of Psychology*
- Paxinos G. 3D Histological and MRI Atlases of Brain and Spinal Cord for Research and Clinical Practice, Research Fellowship SPRF (2018-2022), 2019 amount \$175,201
- Paxinos G, Schira M. Caress the Detail: A Comprehensive MRI Atlas of the in Vivo Human Brain, Project Grant (2018-2020), 2019 amount \$83,663
- Peters R, Tully P. Life-course blood pressure and cognition study (LCBP-COG), Project Grant (2019-2021), 2019 amount \$104,010.70
- Radford K. Dementia Research Development Fellowships (2016-2019), 2019 amount \$89,911.00
- Radford K, Broe G, Delbaere K, Draper B, Garvey G, Cumming R, Wright D, Fulham M, Piguet O, Sachdev P. Our MOB (Mind Our Brain): Dementia prevention across the life course with Aboriginal Australians, Target Calls for Research (TCR) into Dementia in Indigenous Aboriginal Australians (2018-2022), 2019 amount \$573,539.20
- Roscioli T, Gecz J, Field M, Schofield D, Buckley M, North K, Dinger M. Transforming the diagnosis and management of severe neurocognitive disorders through genomics, Centres of Research Excellence (2017-2021), 2019 amount \$244,095.50
- Rowe C, Sachdev P, Naismith S, Breakspear M, Brodaty H, Anstey K, Martins R, Ward S, Vickers J, Masters C. The Australian Dementia Network (ADNeT): Bringing together Australia's dementia stakeholders, Boosting Dementia Research Grants (PR3) (2018-2023), *Administered by University of Melbourne*
- Schabrun S, Graven-Nielsen T, Seminowicz D. The physiological basis of motor adaptation in pain. Project Grant (2018-2020), 2018 amount \$100,738
- Schabrun S, McAuley J, Graven-Nielsen T, Nicholas M, Henschke N, Khan A. Understanding persistent low back pain where it resides, in the brain, Project Grant (2017-2018), 2019 amount \$190,373.83
- Schabrun S. Career Development Fellowship (CDF Level 1) (2016-2019), 2019 amount \$109,258.30
- Schabrun S, Graven-Nielsen T, Seminowicz D. The physiological basis of motor adaptation in pain, Project Grant (2018-2019), 2019 amount \$109,071.33

Schofield D, Roscioli T, Mattick J, Dinger M, Kasparian N, Barlowe-Stewart K, Cowley M, Field M, Buckley M, Shrestha R. The economic and social impacts of genetic sequencing for intellectual disability, Partnership Project for Better Health (2015-2019), *Administered by University of Sydney*

Schofield D, Sue C, Roscioli T, Mattick J, Dinger M, Shrestha R, Buckley M, Davis R. The economic impact of providing precision medicine through whole genome sequencing, Partnership Project for Better Health (2018-2023), *Administered by Macquarie University*

Shannon Weickert C. Neurobiology of schizophrenia and translation into new treatments, Reapplication with Promotion to Principal Research Fellowship (PRF) (2017-2021), 2019 amount \$152,769

Shannon Weickert C, Purves-Tyson T, Meyer U, Killcross S. Role of neuroinflammation and neurotransmitter systems in the improved cognition induced by estrogen receptor modulation, Project Grant (2019-2021), 2019 amount \$212,506

Sturnieks D, Menant J, Valenzuela M, Delbaere K. A randomised controlled trial of cognitive-only and cognitive-motor training to prevent falls in older people: understanding physical, neuropsychological and neural mechanisms, Project Grant (2015-2019), 2019 amount \$166,168

Taylor M. Dementia Research Development Fellowships (2016-2019), 2019 amount \$84,951.17

Tiedemann A, Sherrington C, Lord S. Preventing falls in older age with yoga-based exercise: effectiveness, cost-effectiveness and implementation, Project Grant (2018-2022), *Administered by University of Sydney*

Wray N, Armstrong N, Blair I, Kwok J, Laws S, Mather K, McRae A, Mellick G, Sachdev P. BRAIN-MEND: Biological Resource Analysis to Identify new mechanisms and phenotypes in Neurodegenerative Diseases, Boosting Dementia Research Grant (2018-2020), 2019 amount \$164,185.50

Australian Research Council

Bilston L, Gefen A, Sinkus R, Nordsletten D. Measuring large deformation tissue mechanical behaviour in living humans, Discovery Project (2016-2019), 2019 amount \$120,000

Birnieks I, Wietewski M. Sensory mechanisms underlying human dexterity in object manipulation, Discovery Projects (2017-2019), *Administered by UNSW, School of Medical Sciences*

Broer S, Rae C, Billups B. A unified model of amino acid homeostasis, Discovery Project (2018-2021), 2018 amount \$0, *Administered by Australian National University*

Brown J, Bilston L, Charlton J, Koppel S, Keay L, Olivier J. Design features critical for correct use of child car restraints, Discovery Project (2017-2020), 2019 amount \$69,750

Egan G, Marcello R, Mattingly J, Robinson, P Sah P, Stuart G, Ibbotson M, Breakspear M, Lowery A, Arabzadeh E, Paxinos G, Martin P, Petrou S, Grunert U, Skafidas E, Garrido M, Mitra P, Sporns O, Victor J, Margrie T, Diamond M, Johnson G, Leopold D, Movshon J, Markram H, Hill S. ARC Centre of Excellence for Integrative Brain Function. Centre of Excellence (2014-2020), 2019 sub-contract amount \$127,082

Henry J, Sachdev P, Mather K. Social cognitive change in late adulthood, Discovery Project Grant (2017-2020), 2019 amount \$107,500

Kiely K, Anstey K, Jagger C. Healthy and working life expectancies in an ageing Australia, Discovery Project (2019-2021), *Administered at UNSW, School of Psychology*

Paxinos G, Furlong T. Centre of Shared Excellence for Integrative Brain Function - Strategic Initiatives Fund Round 3, (2019) \$86,490

Piggott J, Anstey K, Bateman H, Baird M, Clarke P, Cumming R, Keane M, McDonald P, McKibben P, Parker S, Sherris M, Woodland A. Centre of Excellence in Population Ageing Research II (CEPAR II), Centre of Excellence (2017-2022), 2019 sub award amount \$391,495

NSW Health Dept / NSW Office for Science & Medical Research

Close J. Australian and New Zealand Hip Fracture Registry - support of the registry (2018-2022), 2019 amount \$25,000

Delbaere K, Lord S, Clemson L, Close J, Howard K, Herbert R, Todd C. Engaging and supporting older people in fall prevention in the community: International implementation study (2018-2020), 2019 amount \$80,000

Fullerton J, Mitchell P, Green M, Schofield P, Toma C, Havard A. 45 and Up - Bipolar Disorder Substudy, Biospecimen Collection Grant (2019-2023), \$100,000 (over period of grant)

Fullerton J. Genemappers 2019, Sponsorship Program, \$15,000

Shannon Weickert C. NSW Health Chair of Schizophrenia Research (2017-2021), 2019 amount \$1,000,000

Other Funding Bodies

NeuRA. Transurban Road Safety Centre, Corporate Partnership/Sponsorship (2017-2019), 2019 amount \$102,700

Achanta L. To attend the ISN-ASN Meeting 2019 in Montréal, Canada from 4-8 August, International Society for Neurochemistry, Travel Award, \$1,400

Andrews S, Anstey K, Delbaere K, Kilcross S, Brady B. Investigating the role of habit in maintaining physical activity in older people, UNSW Ageing Futures Institute, Seed Funding Grant, 2019 \$30,000 *Administered by UNSW*

Bayes A, Loo C, Shannon Weickert C, Weickert T, Zhen A. Blood biomarkers in melancholic and non-melancholic subtypes of depression, UNSW Sphere Clinical Academic Group, Seed Funding, 2019 *Administered by UNSW*

Bilston L, Lovell N, Burke P, Brown E. A novel optical stimulation method for Obstructive Sleep Apnoea treatment, UNSW Biomedical Seed Fund (2018-2020), 2019 amount \$200,195

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Royal Automobile Club of Queensland, Contract Research, 2019 amount \$1,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Western Australia Road Safety Commission, Contract Research, 2019 amount \$5,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Infasecure, Contract Research, 2019 amount \$3,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Joie Baby and Nuna, Contract Research, 2019 amount \$20,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Britax, Contract Research, 2019 amount \$2,500

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Transport for New South Wales, Contract Research, 2019 amount \$10,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, VicRoads, Contract Research, 2019 amount \$5,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, State Insurance Regulatory Authority, Contract Research, 2019 amount \$10,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Royal Automobile Club of Tasmania, Contract Research, 2019 amount \$5,000

Bilston L. Update to National Best Practice Guidelines for safe restraint of children travelling in motor vehicles, Mobility Engineering, Contract Research, 2019 amount \$1,000

Bolsterlee B. To visit the Neuro muscular mechanics laboratory at Simon Fraser University April 29th - August 30th 2019, Dept of Education and Training, Endeavour Research Leadership Award, \$17,000

Brodie M, Delbaere K, Canning C, Lovell N, Lord S, Lung T. StandingTall-PD. An engaging self-managed neuro-rehabilitation program using eHealth technologies to reduce step-time variability, prevent freezing of gait & falls,

& enhance independence in people with Parkinson's disease: a placebo RCT, Michael J Fox Foundation for Parkinson's Research, Non-Pharmacological Interventions for Gait and Balance Disturbance (2019-2020), 2019 amount \$225,540.30

Brooks W. A Phase II/III Randomized, Double-Blind, Placebo-Controlled Multi-Center Study of 2 Potential Disease Modifying Therapies in Individuals at Risk for and with Dominantly Inherited Alzheimer's Disease - (DIAN-TU-001), National Institutes of Health, Investigator Initiated Research Grant (2014-2019), 2019 sub-award amount \$129,260

Brown J. Forward facing child restraints, Britax Childcare Pty Ltd, Contract Research, 2019 amount \$15,000

Brown J, Bilston L. Improving correct use of child restraints via child restraint design (2 PhD projects): Project 1 - Optimal design features for reducing errors in use. Project 2 - Optimising child posture in child restraint design, BP Children's Products Co Ltd (HK), PhD Scholarship sponsorship (2018-2020), 2019 amount \$51,500

Brown J. Population referenced estimates of child restraint use by children in NSW, Transport for NSW, 2019 amount \$80,000

Burton A, Macefield V, Vollmer-Conna U, Lloyd A. The role of muscle sympathetic nerve activity in CFS symptomatology, Mason Foundation (2019-2020), 2019 amount \$119,223

Cao J. The Australia and New Zealand Society for Magnetic Resonance, ANZMAG2019 Student Travel Award, 2019 amount \$350

Celler B, Brodaty H, Redmond S, Delbaere K. Smart home IT support for frail elderly people with early dementia who live alone, UNSW, Biomedical Engineering Seed Fund (2018-2020), *Administered by UNSW, Graduate School of Biomedical Engineering*

Close J. Australian and New Zealand Hip Fracture Registry - support WA hospitals' participation in the registry, Western Australia - Department of Health, Funding Support (2018-2019), 2019 amount \$25,000

Close J. Australian and New Zealand Hip Fracture Registry - support Queensland hospitals' participation in the registry, Queensland Health, Funding support (2017-2021), 2019 amount \$25,000

Close J. Australian and New Zealand Hip Fracture Registry - support of the registry, Agency for Clinical Innovation, Funding Support (2018-2022), 2019 amount \$25,000

Close J. A web-based audit of hip fracture care and secondary fracture prevention in South Australian public hospitals ANZHFR, Government of South Australia, Research Contract Grant (2018-2023), 2019 amount \$25,000

Close J. ANZ Hip Fracture Registry, Australian Government Department of Health, Registry Grant (2018-2019), 2019 amount \$79,377.50

Close J. Raising the bar in hip fracture care – a win for everyone, SPHERE SLBVC Grants Scheme (2019-2020), 2019 amount \$70,876

Close J. Hip Fracture Care Clinical Care Standard (A5 booklet), Commonwealth Department of Health, Contract Research Approach to Market, \$14,793.63

Delbaere K, Lord S, Clemson L, Close J, Howard K, Herbert R, Todd. Engaging and supporting older people in fall prevention in the community: International implementation study, Northern Health Alliance Partner contribution to NHMRC Partnership Project for Better Health (2018-2020), 2019 amount \$21,973

Delbaere K, Baldwin P, Lim M, Radford K, van Schooten K, O'Dea B, Lord S, Anstey K, Draper B, Close J, Yen Hill T. Optimised treatment for fear of falling, The Mindgardens Alliance, Clinical Translational Research Program (2019-2020), 2019 amount \$75,000

Delbaere K. Multifactorial Profile Assessment, Mark Moran Group, Corporate Partnership, \$142,307.69

Delbaere K. AAHMS Mentorship Workshop and Annual Meeting, 10-11 October 2019, Perth, Australian Academy of Health and Medical Sciences (AAHMS) Mentorship Program Travel Awards, \$800

Eapen V, Walker A, Obi K, Morris M, Masi A, Baleine B, Kasparian N, Zieba J. Identifying Behavioural and Biological Profiles to inform targeted intervention in Autism Spectrum Disorder, UNSW Sphere Clinical Academic Group (CAG), Seed funding, *Administered by UNSW*

Eckert D. Targeted therapy for sleep apnoea: A novel personalised approach, Department of Industry, Innovation & Science, CRC-Projects, (2016-2019), 2019 amount \$237,582.19

Eckert D. Sleep Lab Manager Position, Thyne-Reid Foundation, Research Support (2018-2019), 2019 amount \$105,000

Eckert D, Hensen H, Krishnan A. Identification of the pathophysiological causes of sleep apnoea in people with multiple sclerosis: A novel pathway to reducing fatigue, MS Research Australia, Incubator Grant (2018-2019), 2019 amount \$12,500

Eckert D. Core Lab for "treatable trait phenotyping", Bayer AG, Contract Research (2018-2019), 2019 amount \$122,930.67

Eckert D. Noradrenergic and antimuscarinic drugs for the treatment of obstructive sleep apnoea, Apnimed Inc, Contract Research, 2019 amount \$95,862.93

Furlong T. Preventing the effect of high-calorie food on habitual eating using an orexin-1 receptor antagonist, Rebecca L Cooper Medical Research Foundation, Medical Research Grant (2018-2019), 2019 amount \$50,000

Gandevia S, Butler J. Assessment of percutaneous spinal stimulation to improve voluntary control of muscles and autonomic function after spinal injury, SpinalCure Australia, Research Project & Clinical Trial (2019-2020), 2019 amount \$1,200,000

Gustin S. Pain and the brain: Understanding and modulating the critical brain mechanisms that underlie chronic pain, Rebecca L Cooper Medical Research Foundation, AI & Val Rosenstraus Research Fellowship, (2017-2020), 2019 amount \$80,000

Hoang P, Herbert R, Gandevia S, Lord S, Greene D. Effects of eccentric training on ankle contracture in people with multiple sclerosis, Multiple Sclerosis Research Australia, 2016 Project Grant (2017-2019) 2019 amount \$50,000

Hudson A. Understanding impaired neural control of the respiratory muscles in chronic obstructive pulmonary disease, Rebecca L Cooper Medical Research Foundation, Medical Research Grant (2018-2019), 2019 amount \$50,000

Kalucy M, Murray N, Eckert D, O'Donnell M. Barriers to treatment and clinical outcomes of CPAP in people with Obstructive Sleep Apnoea (OSA) and schizophrenia, UNSW Sphere Clinical Academic Group Seed Funding, *Administered by UNSW*

Kaur M. Towards personalised medicine: individualised fMRI targeting of rTMS treatment for auditory hallucinations, Brain and Behavior Research Foundation, NARSAD Young Investigator Grant (2018-2019), USD\$69,454

Keay L, Brown J, Coxon K, Anstey K, Dixit V, Nguyen H, Liu K. Increasing older drivers' competency and confidence in use of advanced vehicle technologies (AVT), UNSW Ageing Futures Institute 2019 Seed Funding Grant, *Administered by UNSW*

Kiely K. Making sense of hearing-related neurocognitive impairment: The Auditory Ageing and Cognitive Impairment (AUDACIOUS) Pilot Study, Dementia Australia Research Foundation (DARF) Project Grant (2019-2020), 2019 amount \$45,000 *Administered by UNSW School of Psychology*

Kirk E, Delatycki M, Pachter N, Laing N, Barlow-Stewart K, Schofield D, Farrar M, Bruno D, Lunke S, Belby J, Davis D, Fietz M, Newson A, Amor D, Robson S, Emery J, Buckley M, Roscioli T, Braithwaite J, Massie J, Archibald A, Meldrum C, McGaughan J, Liebelt J, Lau C, Fletcher J, Colley A, Dunlop K, Shrestha R, Wilson M, Casella R, Casella J. The Australian Reproductive Carrier Screening Project (ARCSP) (known as 'Mackenzie's Mission'), Medical Research Future Fund, Project Grant (2018-2021), *Administered by UNSW*

Kootar S, Anstey K, Bryant R, Andrews S. To develop an algorithm using different anxiety and stress-related factors to predict cognitive decline in old adults, UNSW Ageing Futures Institute, 2019 Seed Funding Grant, *Administered by UNSW School of Psychology*

Lappin J, Campbell G, Shand F, Brydon L, Darke S, Sharma S, Dear B, McAuley J, Nielssen O, Titov N. Chronic pain prevalence in people with suicide behaviour, Mindgardens Neuroscience Network, Clinical Translational Research Program (2019-2020), *Administered by UNSW*

Lavrencic L. To attend the Australian Dementia Forum 12-14 June 2019, Hobart, Dementia Centre for Research Collaboration, Conference Travel Grants, \$1,815

Lavrencic L, Radford K, Delbaere K, Donovan T, Allen W. Reducing dementia risk in older Aboriginal Australians: Development of a culturally-grounded mindfulness-based program, UNSW Ageing Futures Institute, Ageing Futures 2019 Seed Funding, \$30,000

Lee BSB, McCaughey E, Gandevia S, Butler J, Gollee H, Chhabra H, Harvey L. Abdominal Functional Electrical Stimulation to reduce respiratory complications in Spinal Cord Injury, Wings for Life Spinal Cord Research Foundation, Project Grant (2018-2020), 2019 amount \$160,369.91

Lord S. NSW Falls Prevention Network, Clinical Excellence Commission, Contract research work (2017-2018), 2019 amount \$160,137

Lord S, Hoang P, Menant J. Extending the "Interactive step training to reduce falls in people with multiple sclerosis" randomised controlled trial to Tasmania and Victoria (i-FIMS Melbourne), Multiple Sclerosis Limited, Contract Research (2018-2019), 2019 amount \$75,000

Lord S, Sturnieks D, Kark L, Brodie M, Del Rosario M, Close J, Delbaere K, Gandevia S, Herbert R, Hoang P, Menant J. Perturbation treadmill and Laboratory Manager, UNSW, Faculty Infrastructure Project (2018-2019), 2019 amount \$158,810

Lord S, Close J, Delbaere K. Reactive and volitional step training to improve balance recovery after slip and trip among community-dwelling older adults: A factorial randomized controlled trial, Cromwell Foundation Study Grant, \$36,000

Macniven R, Delbaere K, Withall A, Radford K, Lewis E, Lovell N. Community co-design to develop and test measures to examine the health and wellbeing impact of Deadly Running Australia, 2019 Seeding Grant, *Administered by UNSW*

McCaughey E, Boswell-Ruys C, Butler J, Gandevia S. Abdominal Functional Electrical Stimulation to McCaughey E, Butler J, Lee B, Boswell-Ruys C, Lovell N, Flower O, Hudson A, Chhabra H, Tongprasert S, Gollee H. Abdominal FES to reduce ventilation time in tetraplegia, Mindgardens Neuroscience Network, Clinical Transitional Research Program (2019-2020), 2019 amount \$75,000

Migliaccio AA. Investigation of factors that modify the vestibulo-ocular reflex response to optimize vestibular rehabilitation therapy. Garnett Passe & Rodney Williams Memorial Foundation, Senior/Principal Research Fellowship (2014-2019) 2019 amount \$100,066

Morris J, Aisen P, Bateman R, Cairns N, Goate A, Holtzman D, Clifford J, Koeppe R, Marcus D, Mathis C, Mintun M, Thomas R, Weiner M, Xiong C, Ghetti B, Mayeux R, Ringman J, Rossor M, Schofield P, Sperling R. Dominantly Inherited Alzheimer Network, US National Institutes of Health, National Institute of Aging, U01 Multicenter Clinical Cooperative Agreement App -Alzheimer's Research Program (2014-2019), *Administered by Washington University*

Nalivalko E, Lin C-T, Lal S, Simpson A, Gustin S, Double K, Morley J, Walker R, Brown S, Eidel A, Kleitman S, Estival D. A biometrically enabled training solution for the measurement of cognitive overload and threat perception in air traffic controllers, Defence Innovation Network NSW, Project Grant 2019, *Administered by The University of Newcastle*

Newton-John T, Gustin S, Lin C-T. NeuroGame: Can neuromodulation of brain rhythms relieve trigeminal neuropathic pain? University of Technology Sydney, UTS Cross Faculty Collaborative Scheme (2019-2020), *Administered by UTS*

O'Donnell M, Bolton P, Curtis J, Teasdale S, El-Omar E, Morris M, Shannon Weickert C, Samaras K. The role of the microbiome and metabolic syndrome in schizophrenia and related psychoses, UNSW Sphere Clinical Academic Group, Seed funding 2019, *Administered by UNSW & POWH*

Radford K, Wall S. Enhancing the care of Aboriginal and Torres Strait Islander people living with dementia - A technological approach to translating research into practice, Department of Health Dementia & Aged Care Services; Better support for services targeting people (2017-2020), 2019 amount \$61,725.30

Radford K. Appointment of a postdoctoral fellow, Serpentine Foundation, Postdoctoral Fellow (2017-2019), 2019 amount \$153,050

Radford K, Garvey G, Delbaere K, Broe T, Daylight G, Allen W. Sharing the wisdom of our Elders: Understanding and promoting healthy ageing with older Aboriginal Australians, The Lowitja Institute/CRC for Aboriginal and Torres Strait Islander Health, Research Project Funding (2018-2019), 2019 amount \$91,058

Radford K, Broe T, Daylight G, Delbaere K, Draper B, Cumming R, Jackson Pulver L, Lavrencic L. Growing Old Well: A 10-year Storyline of Research Translation in Partnership with NSW Aboriginal Communities, SPHERE Aboriginal Health & Wellbeing Stream, Research Translation Grant, 2019 amount \$19,875.45

Roscioli T. GenomeConnect Clinical Academic Group, SPHERE, Partnership Program (2017-2020), 2019 amount \$217,000.00

Schofield P, Christensen H. Mindgardens Neuroscience Network: Establishing a Comprehensive Brain Disorders Centre, Department of Health, Community Health and Hospitals Program, 2019 amount \$7,000,000

Schubert M, Migliaccio A. INVENT VPT Trial - incremental velocity error as a new treatment in vestibular rehabilitation, US Department of Defence, Research Program (2018-2022), 2019 amount \$105,555.5

Seminowicz D, Schabrun S, Chen S. Validation of a novel cortical biomarker signature for pain, National Institute of Neurological Disorders and Stroke, Research Project Grant (2019-2020), 2019 amount \$464,335

Shannon Weickert C. Gene expression profiles of neuroinflammatory markers in brain tissues of mouse mutants and/or knockouts and from individuals with schizophrenia, Astellas Pharma Inc, Contract Research (2016-2020), 2019 amount \$230,000

Shepherd C. Enabling human brain tissue through the Sydney Brain Bank, UNSW, Research Infrastructure Scheme, 2019 amount \$108,000

Sinclair C, Withall A, Chappell L, Peisah C, Westacott R. Scoping referral pathways and accessibility factors for elder mediation services across NSW, UNSW Ageing Futures Institute, 2019 Seed Funding Grant, \$29,968 *Administered through School of Psychology, UNSW*

Stevens M, Celler B, Delbaere K, Lovell N. Detecting Falls and Activity Monitoring of Persons Living with Dementia, UNSW Ageing Futures Institute, 2019 Seed Funding Grant, *Administered by UNSW*

Stoodley M, Bilston L. Chiari malformation and syringomyelia: investigating effects of respiration, Valsalva and aquaporin treatment, Column of Hope Foundation, Research Grant (2017-2019), 2019 amount \$34,110

Sturnieks D. Novel approaches for training balance and preventing falls in older people, PB Foundation, Rising Star Researcher Fellowship (2017-2020), 2019 amount \$165,592

Toma C. Ministerio de Ciencia Innovation Y Universidades, Convocatoria Beatriz Galindo Fellowship (2019-2022), *Administered by Universidad De Cantabria*

Trost Z, Gustin S, Richards J, Bolding M, Redden D, Mark V, Siddall P, Shun P. Immersive Virtual Walking as Treatment for Neuropathic Pain in Spinal Cord Injury: Examining Treatment Efficacy and Cortical Mechanisms, Department of the Army, DoD Spinal Cord Injury Research Program, Clinical Research (2018-2019), 2019 amount \$15,400

Van Schooten K. Brain and brawn in balance: disentangling central and peripheral contributions to balance control, International Human Frontier Science Program Organisation (HFSP), Postdoctoral Research Fellowship (2017-2019) *Self administered*

Walker A. Improving quality of life during and after chemotherapy: Targeting neuroinflammation to cure treatment symptoms, National Breast Cancer Foundation, Postdoctoral Fellowship (2015-2019)

Walker A, Eapen V, Furlong T, Balleine B, Clarke R, Karl T, Merlin S, Zieba J. Mitochondrial dysfunction and oxidative stress in executive function and decision making, UNSW Sphere Clinical Academic Group, \$40,000

Whyte T. Fitted lids for kids: Reducing helmet misuse for paediatric head injury prevention, UNSW Medicine Non Communicable Diseases Theme, E/MCR Grant Scheme, \$50,000

Withall A, Butler T, Ginnivan N, Kiely K, Mather K, Chomik R, Hwang J, Bowden J, Snoyman P, Lawson K. "No Place to Grow Old": The Ageing in Gaol Research Study (AIGeRS), UNSW Ageing Futures Institute, 2019 Seed Funding Grant, *Administered by UNSW*

Worthington C, Carusone SC, Baltzer Turje R, Monteith K, Watson J, Ibanez-Carrasco F, Rourke S, Cysique L, Eaton A, Gill J, Liboro R, O'Brien K, Terpstra A. HEADS UP! 2: A qualitative CBR study to describe service experiences of HIV positive people living with neurocognitive difficulties and disorders and the providers of those services, Canadian Institutes of Health Research, Operating Grant Community - Based Research HIV/AIDS, (2019-2021), *Administered by University of Victoria, BC*

Scholarships

- Achanta L. UNSW Tuition Fee Scholarship, (2017-2019), \$27,596
- Afzal N. UNSW Scientia PhD Scholarship, (2018-2021), \$50,000
- Aishah A. UNSW Scientia PhD Scholarship, (2018-2021), \$50,000
- Albanese B. UNSW Research Training Program Scholarship, (2018-2021), \$27,596

- Blumenfeld R. Australian Government Research Training Program Scholarship, (2019-2022), \$27,596
- Bogdanovski O. Raymond O. Sainty Scholarship in Community Medicine, (2019), \$5,000
- Debs SR. Australian Government Research Training Program Scholarship, (2019-2022), \$27,596
- Dias K-R. Australian Government Research Training Program Scholarship, (2019-2022), \$13,798
- Ee N. Westpac Future Leaders Scholarship, (2019-2022), \$41,597
- Ee N. UNSW Research Training Program, (2019-2022), \$27,596
- Epiu I. UNSW Scientia PhD Scholarship, (2018-2022), \$50,000
- Fagerlind H. UNSW University International Postgraduate Award, (2018-2021), \$27,596
- Finlay E. UNSW Research Training Program Scholarship (2018-2021), \$27,596
- Hatami M. UNSW Tuition Fee Scholarship, (2019-2022), \$27,596
- Hensen H. University International Postgraduate Award, (2016-2019), \$13,541
- Jamshidi J. UNSW Scientia PhD Scholarship, (2018-2021), \$50,000
- Jezewski R. UNSW Scientia PhD Scholarship, (2018-2022), \$50,000
- Knapman F. Australian Government Research Training Program Scholarship, (2019-2022), \$27,596
- Lee CH. UNSW Australian Postgraduate Award, (2016-2019), \$27,596
- Lim ML. Public Health and Health Services Postgraduate Research Scholarship, (2019-2021), \$37,158
- Lim R. UNSW University Postgraduate Award, (2017-2020), \$27,596
- Livings R. STREAM Health PhD scholarship, (2018-2021), \$30,000
- Mahfuz MM. UNSW University Postgraduate Award, (2017-2019), \$27,596
- Martinac A. UNSW POWCS Postgraduate Research Scholarship, (2019), \$27,596
- Mathew NE. Australian Government Research Training Program Scholarship, (2019-2022), \$27,596
- Murphy C. Research Training Program (TRP) scholarship, (2017-2020), \$27,596
- O'Hagan E. UNSW Research Training Program Scholarship, (2017-2019), \$13,798
- Pelicioni P. Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES) Brazil Scholarship, (2016-2019)
- Revalas M. UNSW Australian Postgraduate Award (P/T), (2015-2020), \$13,541
- Rinaudo C. UNSW Australian Postgraduate Award, (2017-2020), \$27,596
- Rizzo RRN. UNSW Tuition Fee Scholarship, (2019-2022), \$27,596
- Skliros C. UNSW Tuition Fee Scholarship, (2018-2021), \$27,596
- Tong B. UNSW University Postgraduate Award, (2017-2020), \$27,596
- Tonini, E. Research Training Program (TRP) scholarship, (2019-2022), \$27,596
- Watkeys O. UNSW Research Training Program, (2017-2020), \$27,596
- Wewege M. UNSW University Postgraduate Award, (2019-2021), \$27,596

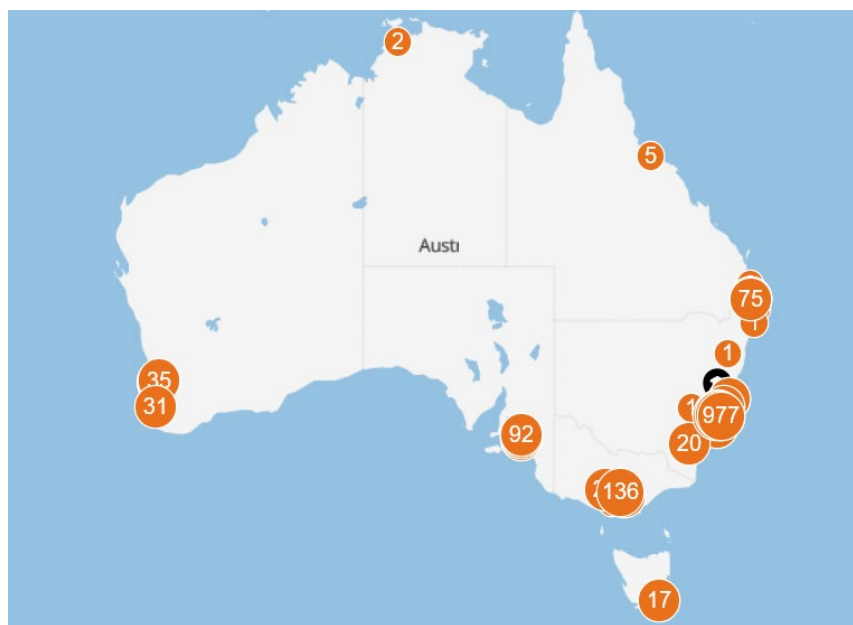
COLLABORATION

Between 2015-2019 NeuRA researchers have collaborated with 1,018 collaborating institutions on 1,584 co-authored publications. (Source: SciVal 24 July 2020)

Region	Collaborating Institutions	Co-authored publications
Asia Pacific	234	1,427
Europe	484	554
Middle East	31	39
Africa	6	21
North America	222	362
South America	41	58



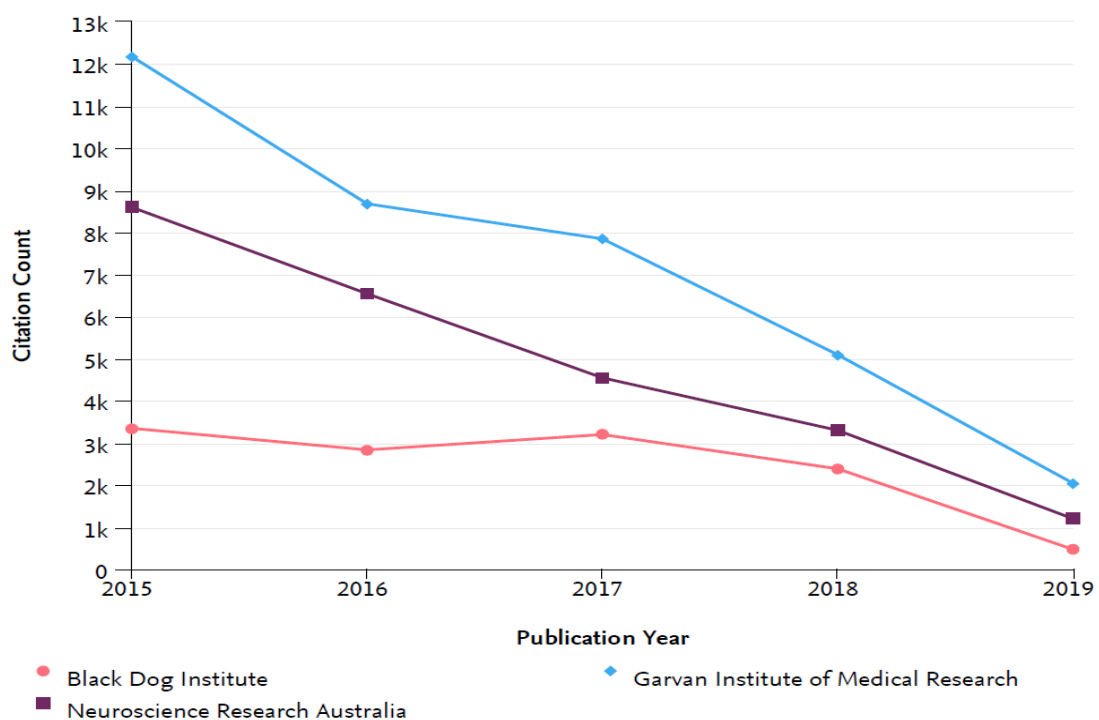
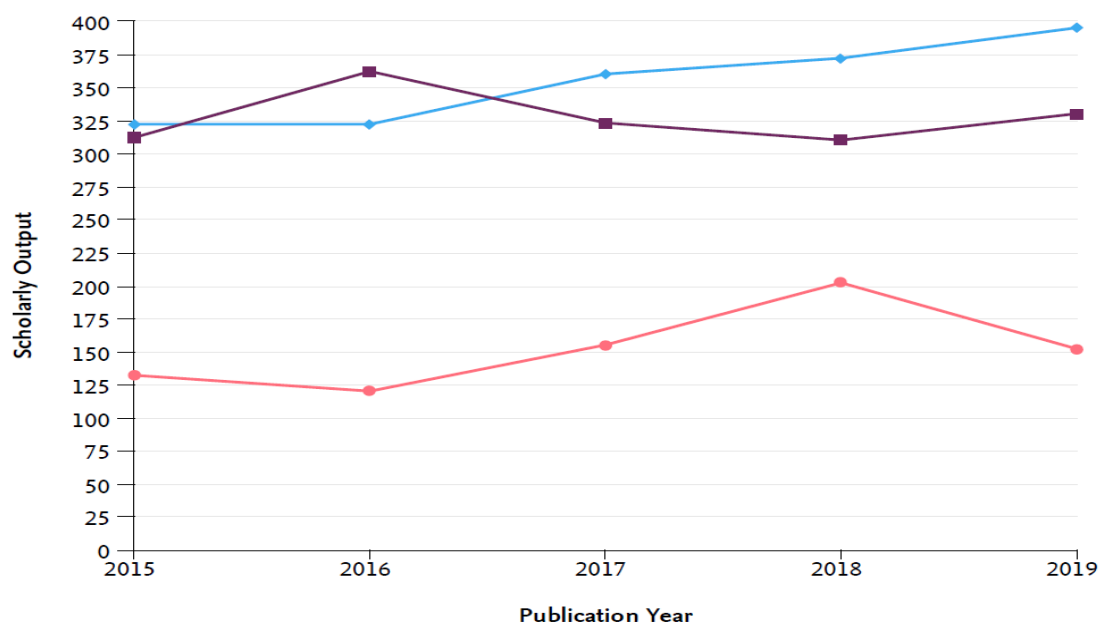
Within Australia (2015-2019) –109 collaborating institutions 1,382 co-authored publications



BENCHMARKING

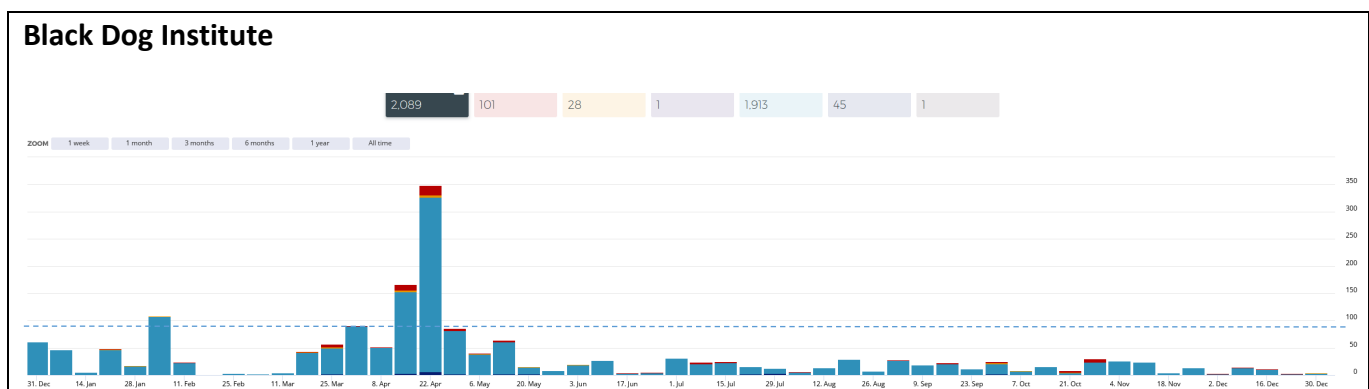
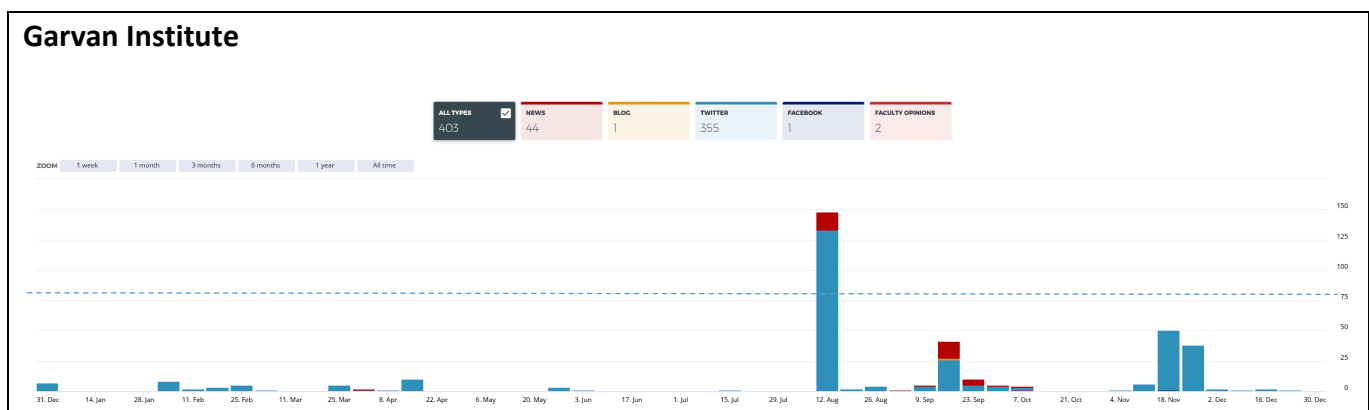
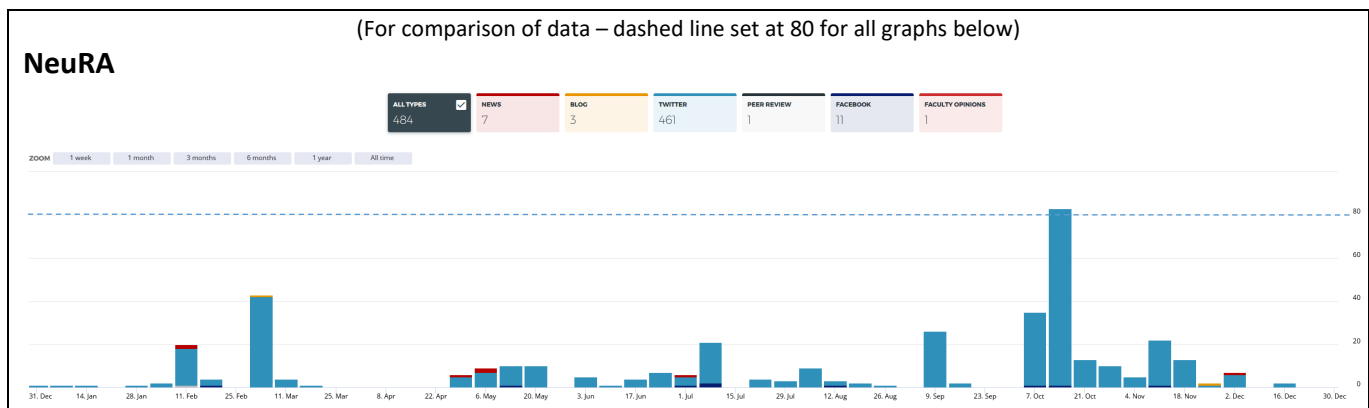
Annual Reports			
	NeuRA 2019	Garvan 2019	Black Dog Institute 2018/2019
Years in operation	26	56	16
Research grant income \$'000	\$26,750	\$53,477	\$17,191
HDR students	50	60	not listed
Publications	342	362	123

Source: SciVal 14/7/2020



Altmetrics are metrics and qualitative data that are complementary to traditional, citation-based metrics. They can include (but are not limited to) public policy documents, discussions on research blogs, mainstream media coverage, bookmarks on reference managers like Mendeley, and mentions on social networks such as Twitter and Facebook

The Altmetric timeline graph for 2019 (below) tracked and reported the attention that NeuRA research publications and datasets received online – receiving 484 mentions. The large spike in activity in the week beginning 14/10/2019 related to the publication “*Fine-Grained Mapping of Cortical Somatotopies in Chronic Complex Regional Pain Syndrome*”, Journal of Neuroscience, September 2019, DOI: [10.1523/jneurosci.2005-18.2019](https://doi.org/10.1523/jneurosci.2005-18.2019) with 82 Twitter mentions and 1 Facebook mention

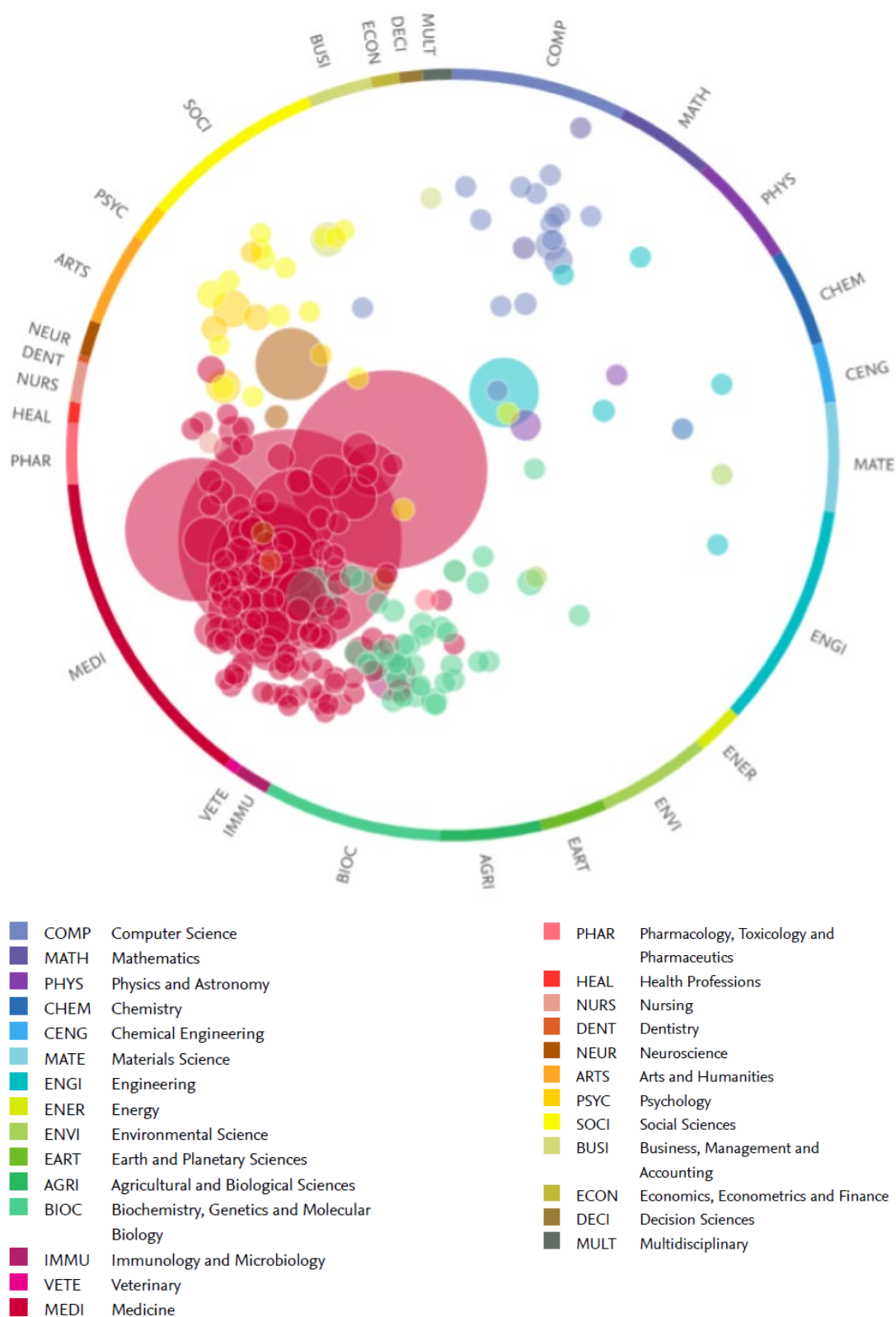


Topics and Topic Clusters

Topics are a collection of documents with a common focussed intellectual interest. These topics are based upon a direct citation analysis. **Topic Clusters** are aggregate topics with similar research interest to form a broader higher level area of research.

Researchers at NeuRA have contributed to 646 topics in 219 topic clusters between 2015-2019.

Source: SciVal 14/7/2020



PUBLICATIONS

Books

1. Day B, **Lord SR**. *Balance, Gait and Falls*, Volume 159. 1st edition ISBN: 9780444639165, Elsevier, USA, 2019
2. **Paxinos G**, Franklin KBJ. *Paxinos and Franklin's the Mouse Brain in Stereotaxic Coordinates*, 5th Edition, Academic Press, ISBN: 9780128161579, 2019
3. **Paxinos G**, Franklin KBJ. *Paxinos and Franklin's the Mouse Brain in Stereotaxic Coordinates*, Compact 5th Edition, Academic Press, San Diego, ISBN: 9780128161609, 2019
4. **Paxinos G, Furlong T, Watson, C**. *Human Brainstem: Cytoarchitecture, Chemoarchitecture, Myeloarchitecture*, 1st edition, Academic Press Elsevier, San Diego, ISBN: 9780128141847, 2019
5. Puelles L, Martinez-de-la-Torre M, Martinez S, Watson C, **Paxinos G**. *The Chick Brain in Stereotaxic Coordinates and Alternate Stains*, 2nd Edition, Academic Press, San Diego, ISBN: 9780128160404, 2019

Journal articles

6. **Aishah A, Eckert DJ**. Phenotypic approach to pharmacotherapy in the management of obstructive sleep apnoea. *Current Opinion in Pulmonary Medicine*, 25(6):594-601, 2019
7. Alhassani G, Liston MB, **Schabrun SM**. Interhemispheric inhibition is reduced in response to acute muscle pain: a cross-sectional study using transcranial magnetic stimulation. *Journal of Pain*, 20(9):1091-1099, 2019
8. Andrews SJ, McFall GP, Booth A, Dixon RA, **Anstey KJ**. Association of Alzheimer's disease genetic risk loci with cognitive performance and decline: a systematic review. *Journal of Alzheimer's Disease*, 69(4):1109-1136, 2019
9. Andrews SJ, McFall GP, Dixon RA, Cherbuin N, Eramudugolla R, **Anstey KJ**. Alzheimer's environmental and genetic risk scores are differentially associated with general cognitive ability and dementia severity. *Alzheimer Disease and Associated Disorders*, 33(2):95-103, 2019
10. Ang SY, Lim SH, **Lim ML**, Ng XP, Madeleine L, Chan MM, Lopez V. Health care professionals' perceptions and experience of initiating different modalities for home enteral feeding. *Clinical Nutrition ESPEN*, 30:67-72, 2019
11. Ang SY, **Lim ML**, Ng XP, Lam M, Chan MM, Lopez V, Lim SH. Patients and home carers' experience and perceptions of different modalities of enteral feeding. *Journal of Clinical Nursing*, 28(17-18):3149-3157, 2019
12. **Anstey KJ, Ee N, Eramudugolla R, Jagger C, Peters R**. A Systematic Review of Meta-Analyses that Evaluate Risk Factors for Dementia to Evaluate the Quantity, Quality, and Global Representativeness of Evidence. *Journal of Alzheimer's Disease*, 70(s1):S165-S186, 2019
13. Aoyagi A, Condello C, Stöhr J, Yue W, Rivera BM, Lee JC, Woerman AL, **Halliday G**, van Duinen S, Ingelsson M, Lannfelt L, Graff C, Bird TD, Keene CD, Seeley WW, DeGrado WF, Prusiner SB. Aβ and tau prion-like activities decline with longevity in the Alzheimer's disease human brain. *Science Translational Medicine*, 11(490):eaat8462, 2019
14. Agarwal S, Ahmed RM, D'Mello M, **Foxe D, Kaizik C**, Kiernan MC, **Halliday GM, Piguet O**, Hodges JR. Predictors of survival and progression in behavioural variant frontotemporal dementia. *European Journal of Neurology*, 26(5):774-779, 2019
15. Atashrazm F, Hammond D, Perera G, Bolliger MF, Matar E, **Halliday GM**, Schüle B, Lewis SJG, Nichols RJ, **Dzambo N**. LRRK2-mediated Rab10 phosphorylation in immune cells from Parkinson's disease patients. *Movement Disorders*, 34(3):406-415, 2019
16. Australian Brain Alliance (incl. **Schofield PR**). A Neuroethics Framework for the Australian Brain Initiative. *Neuron*, 101(3):351-542, 2019
17. Baldo B, Gabery S, Soyulu-Kucharz R, Cheong RY, Henningsen JB, Englund E, McLean C, Kirik D, **Halliday G**, Petersén Å. SIRT1 is increased in affected brain regions and hypothalamic metabolic pathways are altered in Huntington disease. *Neuropathology and Applied Neurobiology*, 45(4):361-379, 2019
18. **Bamagoos AA**, Cistulli PA, Sutherland K, Madronio M, **Eckert DJ**, Hess L, Edwards BA, Wellman A, Sands SA. Polysomnographic Endotyping to Select Patients with Obstructive Sleep Apnea for Oral Appliances. *Annals of the American Thoracic Society*, 16(11):1422-1431, 2019
19. Bamagoos AA, Cistulli PA, Sutherland K, Ngiam J, **Burke PGR, Bilston LE, Butler JE, Eckert DJ**. Dose-dependent effects of mandibular advancement on upper airway collapsibility and muscle function in obstructive sleep apnea. *Sleep*, 42(6):1-10, 2019

20. Berliner JA, Woodcock T, Najafi E, Hemley SJ, Lam M, Cheng S, **Bilston LE**, Stoodley MA. Effect of extradural constriction on CSF flow in rat spinal cord. *Fluids and Barriers of the CNS*, 16(1):7, 2019
21. Besomi M, Hodges PW, Van Dieën J, Carson RG, Clancy EA, Disselhorst-Klug C, Holobar A, Hug F, Kiernan MC, Lowery M, McGill K, Merletti R, Perreault E, Søgaard K, Tucker K, Besier T, Enoka R, Falla D, Farina D, **Gandevia S**, Rothwell JC, Vicenzino B, Wrigley T. Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. *Journal of Electromyography and Kinesiology*, 48:128-144, 2019
22. Bhatia S, **Kim WS**, **Shepherd CE**, **Halliday GM**. Apolipoprotein D Upregulation in Alzheimer's Disease but not frontotemporal dementia. *Journal of Molecular Neuroscience*, 67(1):125-132, 2019
23. Bielak AAM, **Anstey KJ**. Covariation of intraindividual variability in cognitive speed and cognitive performance across young, middle, and older adulthood. *Developmental Psychology*, 55(5):994-1004, 2019
24. **Bilston LE**, **Kent N**, **Brown J**. Cross-chest clips in child restraints: A crash testing study. *Traffic Injury Prevention*, 20(7):720-725, 2019
25. Binks D, **Watson C**, Puelles L. A re-evaluation of the anatomy of the claustrum in rodents and primates-analyzing the effect of pallial expansion. *Frontiers in Neuroanatomy*, 13:34, 2019
26. **Bird L**, **D'Souza A**, Ball I, **Rae C**, **Herbert RD**, **Bolsterlee B**. Validity and reliability of measurements of aponeurosis dimensions from magnetic resonance images. *Scandinavian Journal of Medicine and Science in Sports*, 29(6):808-815, 2019
27. **Birnieks I**, **McIntyre S**, **Nilsson HM**, Nagi SS, **Macefield VG**, Mahns DA, **Vickery RM**. Tactile sensory channels over-ruled by frequency decoding system that utilizes spike pattern regardless of receptor type. *eLife*, e46510, 2019
28. **Bolsterlee B**, **D'Souza A**, **Herbert RD**. Reliability and robustness of muscle architecture measurements obtained using diffusion tensor imaging with anatomically constrained tractography. *Journal of Biomechanics*, 86:71-78, 2019
29. Bonham LW, Steele NZR, Karch CM, Broce I, Geier EG, Wen NL, Momeni P, Hardy J, Miller ZA, Gorno-Tempini ML, Hess CP, Lewis P, Miller BL, Seeley WW, Manzoni C, Desikan RS, Baranzini SE, Ferrari R, Yokoyama JS; International FTD-Genomics Consortium (IFGC) (incl. **Kwok JBJ**, **Dobson-Stone C**, **Schofield PR**, **Halliday G**, **Hodges JR**, **Piguet O**, **Bartley L**). Genetic variation across RNA metabolism and cell death gene networks is implicated in the semantic variant of primary progressive aphasia. *Scientific Reports*, 9(1):10854, 2019
30. **Boonstra TW**, Faes L, Kerkman JN, Marinazzo D. Information decomposition of multichannel EMG to map functional interactions in the distributed motor system. *NeuroImage*, 202:116093, 2019
31. Boulton D, **Green S**, **Macefield VG**, Taylor CE. A comparison of muscle sympathetic nerve activity to non-contracting muscle during isometric exercise in the upper and lower limbs. *Frontiers in Neuroscience*, 13:341, 2019
32. Bousman CA, Luza S, Mancuso SG, Kang D, Opazo CM, Mostaid S, Cropley V, McGorry P, **Shannon Weickert C**, Pantelis C, Bush AI, Everall IP. Elevated ubiquitinated proteins in brain and blood of individuals with schizophrenia. *Scientific Reports*, 9(1):2307, 2019
33. Bowman BR, Bokinić P, McMullan S, Goodchild AK, **Burke PGR**. Somatostatin 2 receptors in the spinal cord tonically restrain thermogenic, cardiac and other sympathetic outflows. *Frontiers in Neuroscience*, 13:121, 2019
34. Breckenridge JD, Ginn KA, Wallwork SB, **McAuley JH**. Do people with chronic musculoskeletal pain have impaired motor imagery? A meta-analytical systematic review of the left/right judgement task. *Journal of Pain*, 20(2):119-132, 2019
35. Breen DP, **Halliday GM**, Lang AE. Gut-brain axis and the spread of α -synuclein pathology: Vagal highway or dead end?. *Movement Disorders*, 34(3):307-316, 2019
36. **Brooks J**, Seizova-Cajic T, **Taylor JL**. Biases in tactile localization by pointing: compression for weak stimuli and centering for distributions of stimuli. *Journal of Neurophysiology*, 121(3):764-772, 2019
37. **Brown J**, **Elkington J**, **Hall A**, Keay L, Charlton JL, Hunter K, Koppel S, Hayen A, **Bilston LE**. Can child restraint product information developed using consumer testing sustain correct use 6 months after child restraint purchase? Study protocol for a cluster randomized controlled trial. *Injury Prevention*, 25(3):175-179, 2019
38. Burns RA, French D, Luszcz M, Kendig HL, **Anstey KJ**. Heterogeneity in the Health and Functional Capacity of Adults aged 85+ as

- Risk for Mortality. *Journal of the American Geriatrics Society*, 67(5):1036-1042, 2019
39. **Buscemi V, Chang WJ, Liston MB, McAuley JH, Schabrun SM.** The role of perceived stress and life stressors in the development of chronic musculoskeletal pain disorders: a systematic review. *Journal of Pain*, 20(10):1127-1139, 2019
40. **Butler AA, Héroux ME, van Eijk T, Gandevia SC.** Stability of perception of the hand's aperture in a grasp. *Journal of Physiology*, 597(24): 5973-5984, 2019
41. **Bye EA, Harvey LA, Glinesky JV, Bolsterlee B, Herbert RD.** A preliminary investigation of mechanisms by which short-term resistance training increases strength of partially paralysed muscles in people with spinal cord injury. *Spinal Cord*, 57(9):770-777, 2019
42. **Caetano MJD, Lord SR, Allen NE, Song J, Paul SS, Canning CG, Menant JCC.** Executive Functioning, Muscle Power and Reactive Balance Are Major Contributors to Gait Adaptability in People With Parkinson's Disease. *Frontiers in Aging Neuroscience*, 11:154, 2019
43. **Capilnasiu A, Hadjicharalambous M, Fovargue D, Patel D, Holub O, Bilston LE, Screen H, Sinkus R, Nordsletten D.** Magnetic Resonance Elastography in Nonlinear Viscoelastic Materials Under Load. *Biomechanics and Modeling in Mechanobiology*, 18(1):111-135, 2019
44. **Carberry JC, Grunstein RR, Eckert DJ.** The effects of zolpidem in obstructive sleep apnoea—an open-label pilot study. *Journal of Sleep Research*, 28(6): e12853, 2019
45. **Carter SG, Carberry JC, Grunstein RR, Eckert DJ.** Polysomnography with an epiglottic pressure catheter does not alter obstructive sleep apnea severity or sleep efficiency. *Journal of Sleep Research*, 28(5):e12773, 2019
46. **Cashin AG, Lee H, Lamb SE, Hopewell S, Mansell G, Williams CM, Kamper SJ, Henschke N, McAuley JH.** An overview of systematic reviews found suboptimal reporting and methodological limitations of mediation studies investigating causal mechanisms. *Journal of Clinical Epidemiology*, 111:60-68, 2019
47. **Cashin AG, Traeger AC, Hubscher M, Moseley GL, Di Pietro F, Parkitny L, McAuley JH.** Persistent pain after wrist or hand fracture: Development and validation of a prognostic model. *Journal of Orthopaedic Sports Physical Therapy* 49(1): 28-35, 2019
48. **Cavaleri R, Chipchase LS, Summers SJ, Schabrun SM.** Repetitive transcranial magnetic stimulation of the primary motor cortex expedites recovery in the transition from acute to sustained experimental pain: a randomized, controlled study. *Pain*, 160(11):2624-2633, 2019
49. **Chaganti J, Marripudi K, Staub LP, Rae C, Gates T, Moffat KJ, Brew BJ.** Imaging correlates of the Blood Brain Barrier disruption in HIV associated neurocognitive disorder and therapeutic implications. *AIDS*, 33(12):1843-1852, 2019
50. **Chang WJ, Buscemi V, Liston MB, McAuley JH, Hodges PW, Schabrun SM.** Sensorimotor cortical activity in acute low back pain: a cross-sectional study. *Journal of Pain*, 20(7):819-829, 2019
51. **Chapi M, Sabbaghi H, Suri F, Alehabib E, Rahimi-Aliabadi S, Jamali F, Jamshidi J, Emamalizadeh B, Darvish H, Mirrahimi M, Ahmadi H, Daftarian N.** Incomplete penetrance of *CRX* gene for autosomal dominant form of cone-rod dystrophy. *Ophthalmic Genetics*, 40(3):259-266, 2019
52. **Chauhan G, Adams HHH, Satizabal CL, Bis JC, Teumer A, Sargurupremraj M, Hofer E, Trompet S, Hilal S, Smith AV, Jian X, Malik R, Traylor M, Pulit SL, Amouyel P, Mazoyer B, Zhu YC, Kaffashian S, Schilling S, Beecham GW, Montine TJ, Schellenberg GD, Kjarntansson O, Guðnason V, Knopman DS, Griswold ME, Windham BG, Gottesman RF, Mosley TH, Schmidt R, Saba Y, Schmidt H, Takeuchi F, Yamaguchi S, Nabika T, Kato N, Rajan KB, Aggarwal NT, De Jager PL, Evans DA, Psaty BM, Rotter JI, Rice K, Lopez OL, Liao J, Chen C, Cheng CY, Wong TY, Ikram MK, van der Lee SJ, Amin N, Chouraki V, DeStefano AL, Aparicio HJ, Romero JR, Maillard P, DeCarli C, Wardlaw JM, Hernández MDCV, Luciano M, Liewald D, Deary IJ, Starr JM, Bastin ME, Muñoz Maniega S, Slagboom PE, Beekman M, Deelen J, Uh HW, Lemmens R, Brodaty H, Wright MJ, Ames D, Boncoraglio GB, Hopewell JC, Beecham AH, Blanton SH, Wright CB, Sacco RL, Wen W, Thalamuthu A, Armstrong NJ, Chong E, Schofield PR, Kwok JB, van der Grond J, Stott DJ, Ford I, Jukema JW, Vernooij MW, Hofman A, Uitterlinden AG, van der Lugt A, Wittfeld K, Grabe HJ, Hosten N, von Sarnowski B, Völker U, Levi C, Jimenez-Conde J, Sharma P, Sudlow CLM, Rosand J, Woo D, Cole JW, Meschia JF, Slowik A, Thijs V, Lindgren A, Melander O, Grewal RP, Rundek T, Rexrode K, Rothwell PM, Arnett DK, Jern C, Johnson JA, Benavente OR, Wasssertheil-Smoller S, Lee JM, Wong Q, Mitchell BD, Rich SS, McArdle PF, Geerlings MI, van der Graaf Y,**

- de Bakker PIW, Asselbergs FW, Srikanth V, Thomson R, McWhirter R, Moran C, Callisaya M, Phan T, Rutten-Jacobs LCA, Bevan S, Tzourio C, **Mather KA**, Sachdev PS, van Duijn CM, Worrall BB, Dichgans M, Kittner SJ, Markus HS, Ikram MA, Fornage M, Launer LJ, Seshadri S, Longstreth WT Jr, DeBette S; Stroke Genetics Network (SIGN), the International Stroke Genetics Consortium (ISGC), METASTROKE, Alzheimer's Disease Genetics Consortium (ADGC), and the Neurology Working Group of the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium. Genetics and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. *Neurology*, 92(5):e486-e503, 2019
53. Cherbuin N, Walsh E, Baune BT, **Anstey KJ**. Oxidative stress, inflammation and risk of neurodegeneration in a population sample. *European Journal of Neurology*, 26(11):1347-1354, 2019
54. Chu DA, Bryant RA, **Gatt JM**, Harris AWF. Cumulative childhood interpersonal trauma is associated with reduced cortical differentiation between threat and non-threat faces in PTSD adults. *Australian and New Zealand Journal of Psychiatry*, 53(1):48-58, 2019
55. Chuang SY, Teng A, **Butler J**, **Gandevia S**, Narang I, Briggs N, Selvadurai H, Jaffe A. Quantitative assessment of nocturnal neural respiratory drive in children with and without obstructive sleep apnoea using surface EMG. *Experimental Physiology*, 104(5):755-764, 2019
56. Clarke DJ, Chohan TW, Kassem MS, Smith KL, Chesworth R, **Karl T**, Kuligowski MP, Fok SY, Bennett MR, Arnold JC. Neuregulin 1 deficiency modulates adolescent stress-induced dendritic spine loss in a brain region-specific manner and increases complement 4 expression in the hippocampus. *Schizophrenia Bulletin*, 45(2):339-349, 2019
57. **Colebatch JG**, **Govender S**. Responses to anterior and posterior perturbations in Parkinson's disease with early postural instability: role of axial and limb rigidity. *Experimental Brain Research*, 237(7):1853-1867, 2019
58. **Colebatch JG**, Rosengren SM. Investigating short latency subcortical vestibular projections in humans: what have we learned?. *Journal of Neurophysiology*, 122(5):2000-2015, 2019
59. Coughlan E, Garside VC, Wong SFL, **Liang H**, Kraus D, Karmakar K, Maheshwari U, Rijli FM, Bourne J, McGlinn E. A hox code defines spinocerebellar neuron subtype regionalization. *Cell Reports*, 29(8):2408-2421, 2019
60. Cox TC, Lidral AC, McCoy JC, Liu H, Cox LL, Zhu Y, Anderson RD, Moreno Uribe LM, Anand D, Deng M, Richter CT, Nidey NL, Standley JM, Blue EE, Chong JX, Smith JD, Kirk EP, Venselaar H, Krahn KN, van Bokhoven H, Zhou H, Cornell RA, Glass IA, Bamshad MJ, Nickerson DA, Murray JC, Lachke SA, Thompson TB, Buckley MF, **Roscioli T**. Mutations in GDF11 and the extracellular antagonist, Follistatin, as a likely cause of Mendelian forms of orofacial clefting in humans. *Human Mutation*, 40(10):1813-1825, 2019
61. Cowley MJ, Liu YC, Oliver KL, Carvill G, Myers CT, Gayevskiy V, Delatycki M, Vlaskamp DRM, Zhu Y, Mefford H, Buckley MF, Bahlo M, Scheffer IE, Dinger ME, **Roscioli T**. Reanalysis and optimisation of bioinformatic pipelines is critical for mutation detection. *Human Mutation*, 40(4):374-379, 2019
62. Currow D, Hunt T, Louw S, **Eckert D**, Allcroft P, To T, Greene A, Krajnik M, Mahler DA, Ekstrom M. Isolating peripheral effects of endogenous opioids in modulating exertional breathlessness in people with moderate or severe COPD: an RCT. *ERJ Open Research*, 5(4):00153, 2019
63. **Cysique LA**, Brew BJ. Vascular cognitive impairment and HIV-Associated neurocognitive disorder: a new paradigm. [invited review] *Journal of Neurovirology*, 25(5): 710-721, 2019
64. **Cysique LA**, **Jugé L**, Lennon M, Gates T, Jones S, Lovelace M, **Rae CD**, Johnson TP, Nath A, Brew BJ. HIV brain latency as measured by CSF BCL11b relates to disrupted brain cellular energy in virally suppressed HIV infection. *AIDS*, 33(3):433-441, 2019
65. **Cysique LA**, **Messinis L**, **Albert SM**. Could excess body weight be good for cognitive health in chronic HIV infection?. *Neurology*, 93(3):95-96, 2019
66. Danat IM, Clifford A, Partridge M, Zhou W, Bakre AT, Chen A, McFeeters D, Smith T, Wan Y, Copeland J, **Anstey KJ**, Chen R. Impacts of Overweight and Obesity in Older Age on the Risk of Dementia: A Systematic Literature Review and a Meta-Analysis. *Journal of Alzheimer's Disease*, 70(s1):S87-S99, 2019
67. Da Silva T, Hafizi S, Watts J, **Shannon Weickert C**, Meyer J, Houle S, Rusjan P, Mizrahi R. In vivo imaging of TSPO - a neuroimmune marker- in chronic cannabis

- users. *JAMA Psychiatry*, 76(12):1305-1313, 2019
68. Dawes BH, **Lloyd RA**, Rogers JM, Magnussen JS, **Bilston LE**, Stoodley MA. Cerebellar tissue strain in Chiari malformation with headache. *World Neurosurgery*, 130:e74-e81, 2019
69. de Zwarte SMC, Brouwer RM, Agartz I, Alda M, Aleman A, Alpert KI, Bearden CE, Bertolino A, Bois C, Bonvino A, Bramon E, Buimer EEL, Cahn W, Cannon DM, Cannon TD, Caseras X, Castro-Fornieles J, Chen Q, Chung Y, De la Serna E, Di Giorgio A, Doucet GE, Eker MC, Erk S, Fears SC, Foley SF, Frangou S, Frankland A, **Fullerton JM**, Glahn DC, Goghari VM, Goldman AL, Gonul AS, Gruber O, de Haan L, Hajek T, Hawkins EL, Heinz A, Hillegers MHJ, Hulshoff Pol HE, Hultman CM, Ingvar M, Johansson V, Jönsson EG, Kane F, Kempton MJ, Koenis MMG, Kopecek M, Krabbendam L, Krämer B, Lawrie SM, Lenroot RK, Marcelis M, Marsman JC, Mattay VS, McDonald C, Meyer-Lindenberg A, Michielse S, Mitchell PB, Moreno D, Murray RM, Mwangi B, Najt P, Neilson E, Newport J, van Os J, **Overs B**, Ozerdem A, Picchioni MM, Richter A, Roberts G, Aydogan AS, **Schofield PR**, Simsek F, Soares JC, Sugranyes G, Touloupoulou T, Tronchin G, Walter H, Wang L, Weinberger DR, Whalley HC, Yalin N, Andreassen OA, Ching CRK, van Erp TGM, Turner JA, Jahanshad N, Thompson PM, Kahn RS, van Haren NEM. The association between familial risk and brain abnormalities is disease specific: an ENIGMA-relatives study of schizophrenia and bipolar disorder. *Biological Psychiatry*, 86(7):545-556, 2019
70. Dilella A, Todd G, Berryman C, Rio E, **Stanton TR**. What is the effect of bodily illusions on corticomotoneuronal excitability? A systematic review. *PLoS One*, 14(8):e0219754, 2019
71. **Diong J**, **Gandevia SC**, **Nguyen D**, Foo Y, Kastre C, Andersson K, **Butler JE**, **Héroux ME**. Small amounts of involuntary muscle activity reduce passive joint range of motion. *Journal of Applied Physiology*, 127(1):229-234, 2019
72. **Diong J**, **Héroux ME**, **Gandevia SC**, **Herbert RD**. Minimal force transmission between human thumb and index finger muscles under passive conditions. *PLoS One*, 14(2):e021496, 2019
73. **Dongés SC**, **Boswell-Ruys CL**, **Butler JE**, **Taylor JL**. The effect of paired corticospinal-motoneuronal stimulation on maximal voluntary elbow flexion in cervical spinal cord injury: an experimental study. *Spinal Cord*, 57(9):796-804, 2019
74. **Dongés SC**, **Taylor JL**, **Nuzzo JL**. Elbow angle modulates corticospinal excitability to the resting biceps brachii at both spinal and supraspinal levels. *Experimental Physiology*, 104(4):546-555, 2019
75. Drange OK, Smeland OB, Shadrin AA, Finseth PI, Witoelar A, Frei O, Psychiatric Genomics Consortium Bipolar Disorder Working Group (incl. **Green MJ**, **Weickert CS**, **Weickert TW**, **Fullerton JM**, **Schofield PR**), Wang Y, Hassani S, Djurovic S, Dale AM, Andreassen OA. Genetic overlap between Alzheimer's Disease and Bipolar Disorder implicates the MARK2 and VAC14 Genes. *Frontiers in Neuroscience*, 13:220, 2019
76. **D'Souza A**, **Bolsterlee B**, Lancaster A, **Herbert R**. Muscle architecture in children with cerebral palsy and ankle contractures: an investigation using diffusion tensor imaging. *Clinical Biomechanics*, 68:205-211, 2019
77. Duchatel RJ, **Shannon Weickert C**, Tooney PA. White matter neuron biology and neuropathology in schizophrenia. *NPJ Schizophrenia*, 5(1):10, 2019
78. Edwards LM, Causby RS, Stewart H, **Stanton TR**. Differential influence of habitual third-person vision of a body part on mental rotation of images of hands and feet. *Experimental Brain Research*, 237(5):1325-1337, 2019
79. Eschmann H, **Héroux ME**, Cheetham JH, Potts S, **Diong J**. Thumb and finger movement is reduced after stroke: An observational study. *PLoS One*, 14(6):e0217969, 2019
80. **Evans CA**, Pinner J, Chan CY, Bowyer L, Mowat D, Buckley MF, **Roscioli T**. Fetal diagnosis of Mowat-Wilson syndrome by whole exome sequencing. *American Journal of Medical Genetics, Part A*, 179(10):2152-2157, 2019
81. Ewans LJ, Colley A, Gaston-Massuet C, Gualtieri A, Cowley MJ, McCabe MJ, Anand D, Lachke SA, Sciatti L, Forneris F, Zhu Y, Ying K, Walsh C, Kirk EP, Miller D, Giunta C, Sillence D, Dinger M, Buckley M, **Roscioli T**. Pathogenic variants in *PLOD3* result in a stickler syndrome-like connective tissue disorder with vascular complications. *Journal of Medical Genetics*, 56(9):629-638, 2019
82. **Fagerlind H**, **Harvey L**, Candefjord S, Davidsson J, **Brown J**. Does injury pattern among major road trauma patients influence prehospital transport decisions regardless of

- the distance to the nearest trauma centre? – a retrospective study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1):18, 2019
83. Favre P, Pauling M, Stout J, Hozer F, Sarrazin S, Abé C, Alda M, Alloza C, Alonso-Lana S, Andreassen OA, Baune BT, Benedetti F, Busatto GF, Canales-Rodríguez EJ, Caseras X, Chaim-Avancini TM, Ching CRK, Dannlowski U, Deppe M, Eyler LT, Fatjo-Vilas M, Foley SF, Grotegerd D, Hajek T, Haukvik UK, Howells FM, Jahanshad N, Kugel H, Lagerberg TV, Lawrie SM, Linke JO, McIntosh A, Melloni EMT, Mitchell PB, Polosan M, Pomarol-Clotet E, Repple J, Roberts G, Roos A, Rosa PGP, Salvador R, Sarró S, **Schofield PR**, Serpa MH, Sim K, Stein DJ, Sussmann JE, Temmingh HS, Thompson PM, Verdolini N, Vieta E, Wessa M, Whalley HC, Zanetti MV, Leboyer M, Mangin JF, Henry C, Duchesnay E, Houenou J; ENIGMA Bipolar Disorder Working Group. Widespread white matter microstructural abnormalities in bipolar disorder: evidence from mega- and meta-analyses across 3033 individuals. *Neuropsychopharmacology*, 44(13):2285-2293, 2019
 84. Favre P, Pauling M, Stout J, Hozer F, Sarrazin S, Abé C, Alda M, Alloza C, Alonso-Lana S, Andreassen OA, Baune BT, Benedetti F, Busatto GF, Canales-Rodríguez EJ, Caseras X, Chaim-Avancini TM, Ching CRK, Dannlowski U, Deppe M, Eyler LT, Fatjo-Vilas M, Foley SF, Grotegerd D, Hajek T, Haukvik UK, Howells FM, Jahanshad N, Kugel H, Lagerberg TV, Lawrie SM, Linke JO, McIntosh A, Melloni EMT, Mitchell PB, Polosan M, Pomarol-Clotet E, Repple J, Roberts G, Roos A, Rosa PGP, Salvador R, Sarró S, **Schofield PR**, Serpa MH, Sim K, Stein DJ, Sussmann JE, Temmingh HS, Thompson PM, Verdolini N, Vieta E, Wessa M, Whalley HC, Zanetti MV, Leboyer M, Mangin JF, Henry C, Duchesnay E, Houenou J; ENIGMA Bipolar Disorder Working Group. Correction: Widespread white matter microstructural abnormalities in bipolar disorder: evidence from mega- and meta-analyses across 3033 individuals. *Neuropsychopharmacology*, 44(13):2298, 2019
 85. Fitzgibbon BM, **Schabrun SM**. Transcranial direct current stimulation for pain disorders: challenges and new frontiers. *Clinical Pharmacology & Therapeutics*, 106(4):717-719, 2019
 86. Fleming J, Terrill B, Dziadek M, Kirk EP, **Roscioli T**, Barlow-Stewart K. Personal genomic screening: How best to facilitate preparedness of future clients. *European Journal of Medical Genetics*, 62(5):397-404, 2019
 87. Foo H, **Mather KA**, **Thalamuthu A**, Sachdev PS. The many ages of man: diverse approaches to assessing ageing-related biological and psychological measures and their relationship to chronological age. *Current Opinion in Psychiatry*, 32(2):130-137, 2019
 88. Foo Y, **Héroux ME**, Chia L, **Diong J**. Involuntary hamstring muscle activity reduces passive hip range of motion during the straight leg raise test: a stimulation study in healthy people. *BMC Musculoskeletal Disorders*, 20(1):130, 2019
 89. Forrest SL, Crockford DR, Sizemova A, **McCann H**, **Shepherd CE**, **McGeachie AB**, **Affleck AJ**, **Carew-Jones F**, Bartley L, Kwok JB, Kim WS, Jary E, Tan RH, McGinley CV, Piguet O, Hodges JR, Kril JJ, Halliday GM. Coexisting Lewy body disease and clinical parkinsonism in frontotemporal lobar degeneration. *Neurology*, 92(21):e2472-2482, 2019
 90. Forrest SL, **Halliday GM**, **McCann H**, **McGeachie AB**, McGinley CV, **Hodges JR**, **Piguet O**, **Kwok JB**, Spillantini MG, Kril JJ. Heritability in frontotemporal tauopathies. *Alzheimer's & Dementia*, 11:115-124, 2019
 91. **Fullerton JM**, Nurnberger JL. Polygenic risk scores in psychiatry: Will they be useful for clinicians? [version 1; peer review: 4 approved]. *F1000Research* 2019, 8(F1000 Faculty Rev):1293, 2019
 92. Furman AJ, Thapa T, Summers SJ, Cavaleri R, Fogarty JS, Steiner GZ, **Schabrun SM**, Seminowicz DA. Cerebral peak alpha frequency reflects average pain severity in a human model of sustained, musculoskeletal pain. *Journal of Neurophysiology*, 122(4):1784-1793, 2019
 93. **Gao J**, Perera G, Bhadbhade M, **Halliday GM**, **Dzamko N**. Autophagy activation promotes clearance of α -synuclein inclusions in fibril-seeded human neural cells. *Journal of Biological Chemistry*, 294(39):14241-14256, 2019
 94. Gardner T, Refshauge K, **McAuley J**, **Hübscher M**, Goodall S, Smith L. Combined education and patient-led goal setting intervention reduced chronic low back pain disability and intensity at 12 months: a randomised controlled trial. *British Journal of Sports Medicine*, 53(22):1424-1431, 2019
 95. Gayevskiy V, **Roscioli T**, Dinger ME, Cowley MJ. Seave: a comprehensive web platform for storing and interrogating human genomic

- variation. *Bioinformatics*, 35(1):122-125, 2019
96. Georgiou A, Sezgin G, Li L, Wilson R, **McCaughey EJ**, Lindeman R, Vecellio E, Westbrook JI. Who gets a laboratory test in hospital, why, and how often? A retrospective observational study of 4 Australian hospitals. *The Journal of Applied Laboratory Medicine*, 4(3): 343-354, 2019
 97. Ghaziuddin N, Shamseddeen W, Bertram H, McInnis M, Wilcox HC, Mitchell PB, **Fullerton JM**, Roberts GMP, Glowinski AL, Kamali M, Stapp E, Hulvershorn LA, Nurnberger J, Armitage R; Bipolar High Risk Research Group. Salivary melatonin onset in youth at familial risk for bipolar disorder. *Psychiatry Research*, 274:49-57, 2019
 98. Gimmon Y, **Migliaccio AA**, Kim KJ, Schubert MC. VOR Adaptation Training and Retention in a Patient with Profound Bilateral Vestibular Hypofunction. *The Laryngoscope*, 129(11):2568-2573, 2019
 99. Godfrey A, **Brodie M**, van Schooten KS, Nouredanesh M, Stuart S, Robinson L. Inertial wearables as pragmatic tools in dementia. *Maturitas*, 127:12-17, 2019
 100. **Green MJ**, Kariuki M, Chilvers M, Butler M, Katz I, Burke S, Tzoumakis S, Laurens KR, Harris F, **Carr VJ**. Inter-agency indicators of out-of-home-care placement by age 13-14 years: A population record linkage study. *Child Abuse & Neglect*, 93:91-102, 2019
 101. **Green MJ**, Tzoumakis S, Laurens KR, Dean K, Kariuki M, Harris F, Brinkman SA, **Carr VJ**. Early development risk for subsequent childhood mental disorders in an Australian population cohort. *Australian and New Zealand Journal of Psychiatry*, 53(4):304-315, 2019
 102. Guerreiro R, Escott-Price V, Hernandez DG, Kun-Rodrigues C, Ross OA, Orme T, Neto JL, Carmona S, Dehghani N, Eicher JD, **Shepherd C**, Parkkinen L, Darwent L, Heckman MG, Scholz SW, Troncoso JC, Pletnikova O, Dawson T, Rosenthal L, Ansorge O, Clarimon J, Lleo A, Morenas-Rodriguez E, Clark L, Honig LS, Marder K, Lemstra A, Rogaeva E, St George-Hyslop P, Londos E, Zetterberg H, Barber I, Braae A, Brown K, Morgan K, Troakes C, Al-Sarraj S, Lashley T, Holton J, Compta Y, Van Deerlin V, Serrano GE, Beach TG, Lesage S, Galasko D, Masliah E, Santana I, Pastor P, Diez-Fairen M, Aguilar M, Tienari PJ, Myllykangas L, Oinas M, Revesz T, Lees A, Boeve BF, Petersen RC, Ferman TJ, Graff-Radford N, Cairns NJ, Morris JC, Pickering-Brown S, Mann D, **Halliday GM**, Hardy J, Trojanowski JQ, Dickson DW, Singleton A; International Parkinson's Disease Genomics Consortium, Stone DJ, Bras J. Heritability and genetic variance of dementia with Lewy bodies. *Neurobiology of Disease*, 127:492-501, 2019
 103. Haebich KM, Pride NA, Walsh KS, Chisholm A, Rouel M, Maier A, Anderson V, Barton B, Silk T, Korgaonkar M, Seal M, Lami F, Lorenzo J, Williams K, Dabscheck G, **Rae CD**, Kean M, North KN. Understanding autism spectrum disorder and social functioning in children with neurofibromatosis type 1: protocol for a cross-sectional multimodal study. *BMJ Open*, 9(9):e030601, 2019
 104. Heathcote LC, Allen JM, Gunn KM, Fox S, Harvie DS, Oliver I, Skinner IW, Smith AG, **Stanton TR**, Whitford HS, **Moseley GL**. Pain education for adolescents and young adults living beyond cancer: An interdisciplinary meeting report. *Journal of Adolescent and Young Adult Oncology*, 8(5):529-533, 2019
 105. **Harvey LA**, **Toson B**, Brodaty H, Draper B, Kochan N, Sachdev P, Mitchell R, **Close JCT**. Injury-related hospitalisation in community-dwelling older people across the cognitive spectrum: a population based study. *Archives of Gerontology and Geriatrics*, 83:155-160, 2019
 106. **Herbert RD**, **Bolsterlee B**, **Gandevia SC**. Passive changes in muscle length. *Journal of Applied Physiology*, 126(5):1445-1453, 2019
 107. **Herbert RD**, Harvey LA, Hossain MS, Islam MS, Li Q, Billot L; CIVIC Trial Collaboration. Community-based interventions to prevent serious complications following spinal cord injury in Bangladesh: the CIVIC trial statistical analysis plan. *Trials*, 20(1):238, 2019
 108. **Hirase T**, Makizako H, **Okubo Y**, **Lord SR**, Inokuchi S, Okita M. Chronic pain is independently associated with social frailty in community-dwelling older adults. *Geriatrics & Gerontology International*, 19(11):1153-1156, 2019
 109. Hissen SL, **Macefield VG**, **Brown R**, Taylor CE. Sympathetic baroreflex sensitivity is inversely related to vascular transduction in men but not women. *American Journal of Physiology. Heart and Circulatory Physiology*, 317(6):H1203-H1209, 2019
 110. Hoogervorst P, **Bolsterlee B**, Pijper M, Aalsma A, Verdonschot N. Forces acting on the clavicle during shoulder abduction, forward humeral flexion and activities of daily living. *Clinical Biomechanics*, 69:79-86, 2019

111. Horsley S, Lannin NA, Hayward KS, **Herbert RD**. Additional early active repetitive motor training did not prevent contracture in adults receiving task-specific upper limb training after stroke: a randomized trial. *Journal of Physiotherapy*, 65(2):88-94, 2019
112. Hosking DE, Eramudugolla R, Cherbuin N, **Anstey KJ**. MIND not Mediterranean diet related to 12-year incidence of cognitive impairment in an Australian longitudinal cohort study. *Alzheimer's & Dementia*, 15(4):581-589, 2019
113. Hossain MS, Harvey LA, Islam MS, Rahman MA, Glinsky JV, **Herbert RD**. A prediction model to identify people with spinal cord injury who are at high risk of dying within 5 years of discharge from hospital in Bangladesh. *Spinal Cord*, 57(3):198-205, 2019
114. Hossain MS, Islam MS, Rahman MA, Glinsky JV, **Herbert RD**, Ducharme S, Harvey LA. Health status, quality of life and socioeconomic situation of people with spinal cord injuries six years after discharge from a hospital in Bangladesh. *Spinal Cord*, 57(8):652-661, 2019
115. Hsiao JT, Purushothuman S, Jensen PH, **Halliday GM, Kim WS**. Reductions in COQ2 expression relate to reduced ATP levels in multiple system atrophy brain. *Frontiers in Neuroscience*, 13:1187, 2019
116. Hu YB, Ren RJ, Zhang YF, **Huang Y**, Cui HL, Ma C, Qiu WY, Wang H, Cui PJ, Chen HZ, Wang G. Rho-associated coiled-coil kinase 1 activation mediates amyloid precursor protein site-specific Ser655 phosphorylation and triggers amyloid pathology. *Aging Cell*, 18(5):e13001, 2019
117. **Hudson AL, Gandevia SC, Butler JE**. A principle of neuromechanical matching for motor unit recruitment in human movement. *Exercise and Sport Sciences Reviews*, 47(3):157-168, 2019
118. **Ingram LA, Butler AA, Gandevia SC**, Walsh LD. Proprioceptive measurements of perceived hand position using pointing and verbal localisation tasks. *PLoS One* 17;14(1):e0210911, 2019
119. **Ingram LA, Butler AA**, Walsh LD, **Brodie MA, Lord SR, Gandevia SC**. The upper limb physiological profile assessment: description, reliability, normative values and criterion validity. *PLoS One*, 14(6):e0218553, 2019
120. Ismail SA, Simic M, **Stanton TR**, Pappas E. Motor imagery in high-functioning individuals with chronic anterior cruciate ligament deficiency: A cross-sectional study. *The Knee*, 26(3):545-554, 2019
121. **Jenkins L, Chang WJ, Buscemi V, Cunningham C, Cashin A, McAuley JH, Liston M, Schabrun SM**. Is there a causal relationship between acute stage sensorimotor cortex activity and the development of chronic low back pain? a protocol and statistical analysis plan. *BMJ Open*, 9(12):e035792, 2019
122. **Jenkins LC, Chang WJ, Buscemi V, Liston M, Toson B**, Nicholas M, Graven-Nielsen T, Ridding M, Hodges PW, **McAuley JH, Schabrun SM**. Do sensorimotor cortex activity, an individual's capacity for neuroplasticity, and psychological features during an episode of acute low back pain predict outcome at 6 months: a protocol for an Australian, multisite prospective, longitudinal cohort study. *BMJ Open*, 9(5):e029027, 2019
123. Jiang Da, Hosking D, Burns R, **Anstey KJ**. Volunteering benefits life satisfaction over 4 years: The moderating role of social network size. *Australian Journal of Psychology*, 71(2):183-192, 2019
124. Jiang J, **Thalamuthu A**, Koch FC, Liu T, Xu Q, Trollor JN, Ames D, Wright MJ, Catts V, Sachdev PS, Wen W. Cerebral blood flow in community-based older twins is moderately heritable: an arterial spin labeling perfusion imaging study. *Frontiers in Aging Neuroscience*, 11:169, 2019
125. **Jones MD, Nuzzo JL, Taylor JL, Barry BK**. Aerobic exercise reduces pressure more than heat pain sensitivity in healthy adults. *Pain Medicine*, 20(8):1534-1546, 2019
126. Kalman JL, Papiol S, Forstner AJ, Heilbronner U, Degenhardt F, Strohmaier J, Adli M, Adorjan K, Akula N, Alda M, Anderson-Schmidt H, Andlauer TF, Anghelescu IG, Ardaur R, Arias B, Arolt V, Aubry JM, Backlund L, Bartholdi K, Bauer M, Baune BT, Becker T, Bellivier F, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Brichant-Petitjean C, Budde M, Cervantes P, Chillotti C, Cichon S, Clark SR, Colom F, Comes AL, Cruceanu C, Czerski PM, Dannlowski U, Dayer A, Del Zompo M, DePaulo JR, Dietrich DE, Étain B, Ethofer T, Falkai P, Fallgatter A, Figge C, Flatau L, Folkerts H, Frisen L, Frye MA, **Fullerton JM**, Gade K, Gard S, Garnham JS, Goes FS, Grigoriu-Serbanescu M, Gryaznova A, Hake M, Hauser J, Herms S, Hoffmann P, Hou L, Jäger M, Jamain S, Jiménez E, Juckel G, Kahn JP, Kassem L, Kelsoe J, Kittel-Schneider S, Kliwiczki S, Klohn-Sagatholislam F, Koller M, König B, Konrad C, Lackner N, Laje G, Landén M, Lang FU, Lavebratt C, Leboyer M, Leckband

- SG, Maj M, Manchia M, Martinsson L, McCarthy MJ, McElroy SL, McMahon FJ, Mitchell PB, Mitjans M, Mondimore FM, Monteleone P, Nieratschker V, Nievergelt CM, Novák T, Ösby U, Pfennig A, Potash JB, Reich-Erkelenz D, Reif A, Reimer J, Reininghaus E, Reitt M, Ripke S, Rouleau GA, Rybakowski JK, Schalling M, Scherk H, Schmauß M, **Schofield PR**, Schubert KO, Schulte EC, Schulz S, Senner F, Severino G, Shekhtman T, Shilling PD, Simhandl C, Slaney CM, Spitzer C, Squassina A, Stamm T, Stegmaier S, Stierl S, Stopkova P, Thiel A, Tighe SK, Tortorella A, Turecki G, Vieta E, Veeh J, von Hagen M, Wigand ME, Wiltfang J, Witt S, Wright A, Zandi PP, Zimmermann J, Nöthen M, Rietschel M, Schulze TG. Investigating polygenic burden in age at disease onset in bipolar disorder: Findings from an international multicentric study. *Bipolar Disorders*, 21(1):68-75, 2019
127. Kang C, Liang C, Ahmad KE, Gu Y, Siow SF, Colebatch JG, Whyte S, Ng K, Cremer PD, Corbett AJ, Davis RL, **Roscioli T**, Cowley MJ, Park JS, Sue CM, Kumar KR. High degree of genetic heterogeneity for Hereditary Cerebellar Ataxias in Australia. *Cerebellum*, 18(1):137-146, 2019
 128. **Kang D, McAuley JH, Kassem MS, Gatt JM, Gustin SM**. What does the grey matter decrease in the medial prefrontal cortex reflect in people with chronic pain?. *European Journal of Pain*, 23:203-219, 2019
 129. Karpul D, **McIntyre S**, van Schaik A, Breen PP, Heckmann JM. Vibrotactile sensitivity of patients with HIV-related sensory neuropathy: An exploratory study. *Brain and Behavior*, 9(1):e01184, 2019
 130. Kavanagh JJ, McFarland AJ, **Taylor JL**. Enhanced availability of serotonin increases activation of unfatigued muscle but exacerbates central fatigue during prolonged sustained contractions. *Journal of Physiology*, 597(1):319-332, 2019
 131. **Khan SI**, Della Santina CC, **Migliaccio AA**. Angular vestibulo-ocular reflex responses in Otop1 mice. I. Otolith sensor input is essential for gravity context-specific adaptation. *Journal of Neurophysiology*, 121(6):2291-2299, 2019
 132. **Khan SI**, Della Santina CC, **Migliaccio AA**. Angular vestibulo-ocular reflex responses in Otop1 mice. II. Otolith sensor input improves compensation after unilateral labyrinthectomy. *Journal of Neurophysiology*, 121(6):2300-2307, 2019
 133. **Kiely KM, Anstey KJ**, Butterworth P. Within-Person Associations Between Financial Hardship and Cognitive Performance in the PATH Through Life Study. *American Journal of Epidemiology*, 188(6):1076-1083, 2019
 134. Kim S, Werner P, Richardson A, **Anstey KJ**. Dementia Stigma Reduction (DESeRvE): Study protocol for a randomized controlled trial of an online intervention program to reduce dementia-related public stigma. *Contemporary Clinical Trials Communications*, 14:100351, 2019
 135. Kirk EP, Barlow-Stewart K, Selvanathan A, Josephi-Taylor S, Worgan L, Rajagopalan S, Cowley MJ, Gayevskiy V, Bittles A, Burnett L, Elakis G, Lo W, Buckley M, Colley A, **Roscioli T**. Beyond the panel: preconception screening in consanguineous couples using the Trusight One "clinical exome". *Genetics in Medicine*, 21(3):68-75, 2019
 136. Klyne DM, **Moseley GL**, Sterling M, Barbe MF, Hodges PW. Are signs of central sensitization in acute low back pain a precursor to poor outcome?. *Journal of Pain*, 20(8):994-1009, 2019
 137. Knellwolf TP, **Burton AR**, Hammam E, **Macefield VG**. Firing properties of muscle spindles supplying the intrinsic foot muscles of humans in unloaded and freestanding conditions. *Journal of Neurophysiology*, 121(1):74-84, 2019
 138. Kobuch S, **Macefield VG**, Henderson LA. Resting regional brain activity and connectivity vary with resting blood pressure but not muscle sympathetic nerve activity in normotensive humans: an exploratory study. *Journal of Cerebral Blood Flow and Metabolism*, 39(12): 2433-2444, 2019
 139. Kreilau F, Chesworth R, Eapen V, Clarke R, **Karl T**. First behavioural assessment of a novel *Immp21* knockdown mouse model with relevance for Gilles de la Tourette syndrome and Autism spectrum disorder. *Behavioural Brain Research*, 374:112057, 2019
 140. Kun-Rodrigues C, Orme T, Carmona S, Hernandez DG, Ross OA, Eicher JD, **Shepherd C**, Parkkinen L, Darwent L, Heckman MG, Scholz SW, Troncoso JC, Pletnikova O, Dawson T, Rosenthal L, Ansorge O, Clarimon J, Lleo A, Morenas-Rodriguez E, Clark L, Honig LS, Marder K, Lemstra A, Rogaeva E, St George-Hyslop P, Londo E, Zetterberg H, Barber I, Braae A, Brown K, Morgan K, Troakes C, Al-Sarraj S, Lashley T, Holton J, Compta Y, Van Deerlin V, Serrano GE, Beach TG, Lesage S, Galasko D, Masliah E, Santana I, Pastor P, Diez-Fairen M, Aguilar M, Tienari PJ, Myllykangas L, Oinas M, Revesz T, Lees A, Boeve BF, Petersen RC, Ferman TJ, Escott-

- Price V, Graff-Radford N, Cairns NJ, Morris JC, Pickering-Brown S, Mann D, **Halliday GM**, Hardy J, Trojanowski JQ, Dickson DW, Singleton A, Stone DJ, Guerreiro R, Bras J. A comprehensive screening of copy number variability in dementia with Lewy bodies. *Neurobiology of Aging*, 75:223.e1-223, 2019
141. **Kwan BCH, L. Jugé L, Gandevia SC, Bilston LE.** Sagittal measurement of tongue movement during respiration: comparison between ultrasonography and magnetic resonance imaging. *Ultrasound in Medicine and Biology*, 45(4):921-934, 2019
 142. **Lai V, Carberry JC, Eckert DJ.** Sleep apnea phenotyping: Implications for dental sleep medicine. *Journal of Dental Sleep Medicine*, 6(2), 2019
 143. **Lai V, Tong BK, Tran C, Ricciardiello A, Donegan M, Murray NP, Carberry JC, Eckert DJ.** Combination therapy with mandibular advancement and expiratory positive airway pressure (EPAP) valves reduces obstructive sleep apnea severity. *Sleep*, 42(8):1-11, 2019
 144. Larsen DB, Graven-Nielsen T, Hirata RP, **Seminowicz D, Schabrun S**, Boudreau SA. Corticomotor excitability reduction induced by experimental pain remains unaffected by performing a working memory task as compared to staying at rest. *Experimental Brain Research*, 237(9):2205-2215, 2019
 145. Laskaris L, Zalesky A, **Weickert CS**, Di Biase MA, Chana G, Baune BT, Bousman C, Nelson B, McGorry P, Everall I, Pantelis C, Croypley V. Investigation of peripheral complement factors across stages of psychosis. *Schizophrenia Research*, 204:30-37, 2019
 146. Latella C, Ruas CV, Mesquita RNO, Nosaka K, **Taylor JL.** Test-retest reliability of elbow flexor contraction characteristics with tensiomyography for different elbow joint angles. *Journal of Electromyography and Kinesiology*, 45:26-32, 2019
 147. Laurens KR, **Green MJ**, Dean K, Tzoumakis S, Harris F, Islam F, Kariuki M, Essery CM, Schofield JM, **Carr VJ.** Chronic physical health conditions, mental health, and sources of support in a longitudinal Australian child population cohort. *Journal of Pediatric Psychology*, 44(9):1083-1096, 2019
 148. Laveneziana P, Albuquerque A, Aliverti A, Babb T, Barreiro E, Dres M, Dubé BP, Fauroux B, Gea J, Guenette JA, **Hudson AL**, Kabitz HJ, Laghi F, Langer D, Luo YM, Neder JA, O'Donnell D, Polkey MI, Rabinovich RA, Rossi A, Series F, Similowski T, Spengler CM, Vogiatzis I, Verges S. ERS statement on respiratory muscle testing at rest and during exercise. *European Respiratory Journal*, 53(6):pii:1801214, 2019
 149. **Lawrencic L, Bennett H, Daylight G**, Draper B, Cumming R, **Mack H**, Garvey G, **Lasschuit D, Hill T**, Chalkley S, **Delbaere K, Broe GA, Radford K.** Cognitive test norms and comparison between healthy ageing, mild cognitive impairment, and dementia: A population-based study of older Aboriginal Australians. *Australian Journal of Psychology*, 71(3):249-260, 2019
 150. **Lee CH**, Sinclair D, O'Donnell M, Galletly C, Liu D, **Shannon Weickert C, Weickert TW.** Transcriptional changes in stress pathway are related to symptoms in schizophrenia and to mood in schizoaffective disorder. *Schizophrenia Research*, 213:87-95, 2019
 151. Lee H, **Herbert RD**, Lamb SE, Moseley AM, **McAuley JH.** Investigating causal mechanisms in randomized controlled trials. *Trials*, 20(1):524, 2019
 152. Lees B, Mewton L, Stapinski L, Squeglia L M, **Rae C**, Teesson M. Neurobiological and cognitive profile of young binge drinkers: A systematic review and meta-analysis. *Neuropsychology Review*, 29(3):357-385, 2019
 153. Lei M, Teo JD, Song H, McEwen HP, Yup Lee J, Couttas TA, Duncan T, Chesworth R, Bertz J, Przybyla M, Van Eersel J, Heng B, Guillemin GJ, Ittner LM, Fath T, Garner B, Ittner A, **Karl T**, Don AS. Sphingosine kinase 2 potentiates amyloid deposition but protects against hippocampal volume loss and demyelination in a mouse model of Alzheimer's Disease. *Journal of Neuroscience*, 39(48):9645-9659, 2019
 154. Liddle JLM, Lovarini M, Clemson LM, Jang H, **Lord SR**, Sherrington C, Willis K. Masculinity and preventing falls: insights from the fall experiences of men aged 70 years and over. *Disability and Rehabilitation*, 41(9):1055-1062, 2019
 155. **Lim R, Carberry JC**, Wellman A, Grunstein R, **Eckert DJ.** Reboxetine and hyoscine butylbromide improve upper airway function during non-Rapid Eye Movement and suppress Rapid Eye Movement sleep in healthy individuals. *Sleep*, 42(4):1-10, 2019
 156. **Lin SD, Butler JE, Boswell-Ruys CL, Hoang P**, Jarvis T, **Gandevia SC, McCaughey EJ.** The frequency of bowel and bladder problems in multiple sclerosis and its relation to fatigue: A single centre experience. *PLoS One*, 14(9):e0222731, 2019
 157. Lipnicki DM, Makkar SR, Crawford JD, Thalamuthu A, Kochan NA, Lima-Costa MF,

- Castro-Costa E, Ferri CP, Brayne C, Stephan B, Llibre-Rodriguez JJ, Llibre-Guerra JJ, Valhuerdi-Cepero AJ, Lipton RB, Katz MJ, Derby CA, Ritchie K, Ancelin ML, Carrière I, Scarmeas N, Yannakoulia M, Hadjigeorgiou GM, Lam L, Chan WC, Fung A, Guaita A, Vaccaro R, Davin A, Kim KW, Han JW, Suh SW, Riedel-Heller SG, Roehr S, Pabst A, van Boxtel M, Köhler S, Deckers K, Ganguli M, Jacobsen EP, Hughes TF, **Anstey KJ**, Cherbuin N, Haan MN, Aiello AE, Dang K, Kumagai S, Chen T, Narazaki K, Ng TP, Gao Q, Nyunt MSZ, Scazufca M, Brodaty H, Numbers K, Trollor JN, Meguro K, Yamaguchi S, Ishii H, Lobo A, Lopez-Popon R, Santabábara J, Leung Y, Lo JW, Popovic G, Sachdev PS; for Cohort Studies of Memory in an International Consortium (COSMIC). Determinants of cognitive performance and decline in 20 diverse ethno-regional groups: A COSMIC collaboration cohort study. *PLoS Medicine*, 16(7):e1002853, 2019
158. Llibre-Guerra JJ, Li Y, Schindler SE, Gordon BA, Fagan AM, Morris JC, Benzinger TLS, Hassenstab J, Wang G, Allegri R, Berman SB, Chhatwal J, Farlow MR, Holtzman DM, Jucker M, Levin J, Noble JM, Salloway S, **Schofield P**, Karch C, Fox NC, Xiong C, Bateman RJ, McDade E. Association of longitudinal changes in cerebrospinal fluid total Tau and phosphorylated Tau 181 and brain atrophy with disease progression in patients with Alzheimer Disease. *Jama Network*, 2(12):e1917126, 2019
 159. **Lloyd RA**, Stoodley MA, Fletcher DF, **Bilston LE**. The effects of variation in the arterial pulse waveform on perivascular flow. *Journal of Biomechanics*, 90:65-70, 2019
 160. Lo CWT, Tsang WWN, Yan CH, **Lord SR**, Hill KD, Wong AYL. Risk factors for falls in patients with total hip arthroplasty and total knee arthroplasty: a systematic review and meta-analysis. *Osteoarthritis and Cartilage*, 27(7):979-993, 2019
 161. **Luu BL, McBain RA, Taylor JL, Gandevia SC, Butler JE**. Reflex response to airway occlusion in human inspiratory muscles when recruited for breathing and posture. *Journal of Applied Physiology*, 126(1):132-140, 2019
 162. Machol K, Rousseau J, Ehresmann S, Garcia T, Nguyen TTM, Spillmann RC, Sullivan JA, Shashi V, Jiang YH, Stong N, Fiala E, Willing M, Pfundt R, Kleefstra T, Cho MT, McLaughlin H, Rosello Piera M, Orellana C, Martínez F, Caro-Llopis A, Monfort S, **Roscioli T, Nixon CY**, Buckley MF, Turner A, Jones WD, van Hasselt PM, Hofstede FC, van Gassen KLI, Brooks AS, van Slegtenhorst MA, Lachlan K, Sebastian J, Madan-Khetarpal S, Sonal D, Sakkubai N, Thevenon J, Faivre L, Maurel A, Petrovski S, Krantz ID, Tarpinian JM, Rosenfeld JA, Lee BH; Undiagnosed Diseases Network, Campeau PM. Expanding the Spectrum of BAF related disorders: *De Novo* variants in *SMARCC2* cause a syndrome with intellectual disability and developmental delay. *American Journal of Human Genetics*, 104(1):164-178, 2019
 163. MacIntyre E, Sigerseth M, Pulling BW, Newport R, **Stanton TR**. The effect of knee resizing illusions on pain and swelling in symptomatic knee osteoarthritis: a case report. *Pain Reports*, 4(6):e795, 2019
 164. Mahmoudi E, Fitzsimmons C, Geaghan M, **Shannon Weickert C**, Atkins J, Wang X, Cairns M. Circular RNA biogenesis is decreased in postmortem cortical grey matter in schizophrenia and may alter the bioavailability of associated miRNA. *Neuropsychopharmacology*, 44(6):1043-1054, 2019
 165. Mancini F, Wang A, Schira M, Isherwood Z, **McAuley J**, Iannetti GD, Sereno MI, Moseley L, **Rae C**. Fine-grained mapping of cortical somatotopies in chronic Complex Regional Pain Syndrome. *Journal of Neuroscience*, 39(46): 9185-9196, 2019
 166. Mazzoni A, Grove R, Eapen V, **Lenroot RK, Bruggemann J**. The promise of functional near-infrared spectroscopy in autism research: What do we know and where do we go?. *Social Neuroscience*, 14(5):505-518, 2019
 167. **McCaughey EJ, Butler JE, McBain RA, Boswell-Ruys CL, Hudson AL, Gandevia SC, Lee BB**. Abdominal functional electrical stimulation to augment respiratory function in spinal cord injury. *Topics in Spinal Cord Injury Rehabilitation*, 25(2):105-111, 2019
 168. **McCaughey EJ, Jonkman AH, Boswell-Ruys CL, McBain RA, Bye EA, Hudson AL, Collins DW, Heunks LMA, McLachlan AJ, Gandevia SC, Butler JE**. Abdominal functional electrical stimulation to assist ventilator weaning in critical illness: a double-blinded, randomised, sham-controlled pilot study. *Critical Care*, 23(1):261, 2019
 169. McCrary JM, Goldstein D, Trinh T, Timmins HC, Li T, **Menant J**, Friedlander M, Lewis CR, Hertzberg M, O'Neill S, King T, Bosco A, Harrison M, Park SB. Balance Deficits and Functional Disability in Cancer Survivors Exposed to Neurotoxic Cancer Treatments. *Journal of the National Comprehensive Cancer Network*, 17(8):949-955, 2019

170. Meiklejohn H, Mostaid S, Luza S, Mancuso SG, Kang D, Atherton S, **Rothmond D, Shannon Weickert C**, Opazo CM, Pantelis C, Bush AI, Everall IP, Bousman CA. Blood and brain protein levels of ubiquitin-conjugating enzyme E2K (UBE2K) are elevated in individuals with schizophrenia. *Journal of Psychiatric Research*; 113:51-57, 2019
171. Meredith L, **Albanese B**, Whyte T, Gibson T, Fitzharris M, Baldock M, **Brown J**. Assessing the performance of motorcyclists' impact protectors in simulated ATD knee and shoulder impacts. *Traffic Injury Prevention*, 20(2):169-173, 2019
172. Mills K, **Hübscher M**, O'Leary H, Moloney N. Current concepts in joint pain in knee osteoarthritis. *Schmerz*, 33(1):22-29, 2019
173. Mills L, Meiser B, Ahmad R, **Schofield PR**, Peate M, Levitan C, Trevena L, Barlow-Stewart K, Dobbins T, Christensen H, Sherman KA, Dunlop K, Mitchell PB. A cluster randomized controlled trial of an online psychoeducational intervention for people with a family history of depression. *BMC Psychiatry*, 19(1):29, 2019
174. Mitchell R, Draper B, **Close J, Harvey L**, Brodaty H, Do V, Driscoll TR, Braithwaite J. Future hospital service utilisation in older adults living in long-term residential aged care or the community hospitalised with a fall-related injury. *Osteoporosis International*, 30(10):1995-2008, 2019
175. Mitchell R, Draper B, **Harvey L**, Wadolowski M, Brodaty H, **Close J**. Comparison of hospitalised trends, treatment cost and health outcomes of fall-related hip fracture for people aged ≥ 65 years living in residential aged care and the community. *Osteoporosis International*, 30(2):311-321, 2019
176. Moezzi B, Pratti L M, Hordacre B, Graetz L, Berryman C, **Lavrencic LM**, Ridding MC, Keage HAD, McDonnell MD, Goldsworthy MR. Characterisation of young and old adult brains: An EEG functional connectivity analysis. *Neuroscience*, 422:230-239, 2019
177. Mostaid MS, Dimitrakopoulos S, Wannan C, Cropley V, **Shannon Weickert C**, Everall IP, Pantelis C, Bousman CA. An Interleukin-1 beta (*IL1B*) haplotype linked with psychosis transition is associated with *IL1B* gene expression and brain structure. *Schizophrenia Research*, 204:201-205, 2019
178. Mullins N, Bigdeli TB, Børghlum AD, Coleman JRI, Demontis D, Mehta D, Power RA, Ripke S, Stahl EA, Starnawska A, Anjorin A; M.R.C.Psych, Corvin A, Sanders AR, Forstner AJ, Reif A, Koller AC, Świątkowska B, Baune BT, Müller-Myhsok B, Penninx BWJH, Pato C, Zai C, Rujescu D, Hougaard DM, Quedsted D, Levinson DF, Binder EB, Byrne EM, Agerbo E; Dr.Med.Sc, Streit F, Mayoral F, Bellivier F, Degenhardt F, Breen G, Morken G, Turecki G, Rouleau GA, Grabe HJ, Völzke H, Jones I, Giegling I, Agartz I, Melle I, Lawrence J; M.R.C.Psych, Walters JTR, Strohmaier J, Shi J, Hauser J, Biernacka JM, Vincent JB, Kelsoe J, Strauss JS, Lissowska J, Pimm J; M.R.C.Psych, Smoller JW, Guzman-Parra J, Berger K, Scott LJ, Jones LA, Azevedo MH, Trzaskowski M, Kogevinas M, Rietschel M, Boks M, Ising M, Grigoriou-Serbanescu M, Hamshere ML, Leboyer M, Frye M, Nöthen MM, Alda M, Preisig M, Nordentoft M, Boehnke M, O'Donovan MC, Owen MJ, Pato MT, Renteria ME, Budde M; Dipl.-Psych, Weissman MM, Wray NR, Bass N; M.R.C.Psych, Craddock N, Smeland OB, Andreassen OA, Mors O, Gejman PV, Sklar P, McGrath P, Hoffmann P, McGuffin P, Lee PH, Mortensen PB, Kahn RS, Ophoff RA, Adolfsson R, Van der Auwera S, Djurovic S, Kloiber S, Heilmann-Heimbach S, Jamain S, Hamilton SP, McElroy SL, Lucae S, Cichon S, Schulze TG, Hansen T, Werge T, Air TM, Nimgaonkar V, Appadurai V, Cahn W, Milaneschi Y; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium (incl. **Fullerton JM, Schofield PR**); Schizophrenia Working Group of the Psychiatric Genomics Consortium, Fanous AH, Kendler KS, McQuillin A, Lewis CM. GWAS of suicide attempt in psychiatric disorders and association with major depression polygenic risk scores. *American Journal of Psychiatry*, 176(8):651-660, 2019
179. Musliner KL, Mortensen PB, McGrath JJ, Suppli NP, Hougaard DM, Bybjerg-Grauholm J, Bækvad-Hansen M, Andreassen O, Pedersen CB, Pedersen MG, Mors O, Nordentoft M, Børghlum AD, Werge T, Agerbo E, **Weickert CS** as part of the Bipolar Disorder Working Group of the Psychiatric Genomics Consortium. Association of polygenic liabilities for major depression, bipolar disorder, and schizophrenia with risk for depression on the Danish population. *JAMA Psychiatry*, 76(5):516-525, 2019
180. Nakamura JP, Schroeder A, Hudson M, Jones N, Gillespie B, Du X, Notaras M, Swaminathan V, Reay WR, Atkins JR, **Green MJ, Carr VJ**, Cairns MJ, Sundram S, Hill RA. The maternal immune activation model

- uncovers a role for the *Arx* gene in GABAergic dysfunction in schizophrenia. *Brain, Behavior, and Immunity*, 81:161-171, 2019
181. Naylor B, Hesam-Shariati N, **McAuley J**, Boag S, Newton-John T, Rae C, **Gustin SM**. Reduced glutamate in the medial prefrontal cortex is associated with emotional and cognitive dysregulation in people with chronic pain. *Frontiers in Neurology*, 10:1110, 2019
 182. New PW, **Lee BB**, Cripps R, Vogel LC, Scheinberg A, Waugh MC. Global mapping for the epidemiology of paediatric spinal cord damage: towards a living data repository. *Spinal Cord*, 57(3):183-197, 2019
 183. Nguy V, **Barry BK**, Moloney N, Hassett LM, Canning CG, Lewis SJG, Allen NE. Exercise-induced hypoalgesia is present in people with Parkinson's disease: Two observational cross-sectional studies. *European Journal of Pain*, 23(7):1329-1339, 2019
 184. **Nguyen DAT**, **Lewis RHC**, **Gandevia SC**, **Butler JE**, **Hudson A**. Discharge properties of human diaphragm motor units with ageing. *Journal of Physiology*, 597(20):5079-5092, 2019
 185. Nichols MJ, Gates TM, Soares JR, Moffat KJ, **Rae CD**, Brew BJ, **Cysique LA**. Atrophic brain signatures of mild forms of neurocognitive impairment in virally suppressed HIV infection. *AIDS* 33:55-66, 2019
 186. Nishigami T, Wand BM, Newport R, Ratcliffe N, Themelis K, Moen D, Jones C, **Moseley GL**, **Stanton TR**. Embodying the illusion of a strong, fit back in people with chronic low back pain. A pilot proof-of-concept study. *Musculoskeletal Science & Practice*, 39:178-183, 2019
 187. Northey JM, Rattray B, Pumpa KL, Smee DJ, Welvaert M, **Anstey KJ**, Cherbuin N. Can the intensity of physical activity be accurately measured in older adults using questionnaires?. *Journal of Science and Medicine in Sport*, 22(7):803-807, 2019
 188. **Nuzzo JL**. Equity in physical activity: A misguided goal. *Sports Medicine*, 49(4):501-507, 2019
 189. **Nuzzo JL**, **Finn HT**, **Herbert RD**. Causal mediation analysis could resolve whether training-induced increases in muscle strength are mediated by muscle hypertrophy. *Sports Medicine*, 49(9):1309-1315, 2019
 190. **Nuzzo JL**, **Taylor JL**, **Gandevia SC**. CORP: Measurement of upper- and lower-limb muscle strength and voluntary activation. *Journal of Applied Physiology*, 126(3):513-543, 2019
 191. O'Connor CM, Clemson L, Brodaty H, Low L-F, Jeon Y-H, Gitlin LN, **Piguet O**, Mioshi E. The tailored activity program (TAP) to address behavioral disturbances in frontotemporal dementia: a feasibility and pilot study. *Disability and Rehabilitation*, 41(3):299-310, 2019
 192. **Okubo Y**, **Brodie MA**, **Sturnieks DL**, **Hicks C**, **Lord SR**. A pilot study of reactive balance training using trips and slips with increasing unpredictability in young and older adults: Biomechanical mechanisms, falls and clinical feasibility. *Clinical Biomechanics*, 67:171-179, 2019
 193. **Okubo Y**, **Brodie MA**, **Sturnieks DL**, **Hicks C**, **Carter H**, **Toson B**, **Lord SR**. Exposure to trips and slips with increasing unpredictability while walking can improve balance recovery responses with minimum predictive gait alterations. *PLoS One*, 13(9):e0202913, 2019
 194. **Okubo Y**, **Sturnieks DL**, **Brodie MA**, **Duran L**, **Lord SR**. Effect of reactive balance training involving repeated slips and trips on balance recovery among older adults: A blinded randomized controlled trial. *Journal of Gerontology: Medical Sciences*, 74(9):1489-1496, 2019
 195. Olanow CW, Savolainen M, Chu Y, **Halliday GM**, Kordower JH. Temporal evolution of microglia and α -synuclein accumulation following foetal grafting in Parkinson's disease. *Brain*, 142(6):1690-1700, 2019
 196. Oliveira CB, Pinto RZ, **Schabrun SM**, Franco MR, Morelhão PK, Silva FG, Damato TM, Negrão Filho RF. Association between clinical tests related to motor control dysfunction and changes in pain and disability after lumbar stabilization exercises in individuals with chronic low back pain. *Archives of Physical Medicine and Rehabilitation*, 100(7):1226-1233, 2019
 197. **Osman A**, **Carberry J**, **Burke P**, **Toson B**, Grunstein R, **Eckert D**. Upper airway collapsibility measured using a simple wakefulness test closely relates to the pharyngeal critical closing pressure (Pcrit) during sleep in obstructive sleep apnea. *Sleep*, 42(7):1-10, 2019
 198. **Owens S**, **Purves-Tyson T**, Webster MJ, **Shannon Weickert C**. Evidence for enhanced androgen action in the prefrontal cortex of people with bipolar disorder, but not schizophrenia or major depressive disorder. *Psychiatry Research*, 280:112503, 2019
 199. **Owens SJ**, **Weickert TW**, **Purves-Tyson TD**, **Ji E**, White C, Galletly C, Liu D, O'Donnell M, **Shannon Weickert C**. Sex-specific associations of androgen receptor

- CAG trinucleotide repeat length and of raloxifene treatment with testosterone levels and perceived stress in schizophrenia. *Molecular Neuropsychiatry*, 5(1):28-41, 2019
200. Palmer EE, Hong S, Al Zahrani F, Hashem MO, Aleisa FA, Ahmed HMJ, Kandula T, Macintosh R, Minoche AE, Puttick C, Gayevskiy V, Drew AP, Cowley MJ, Dinger M, Rosenfeld JA, Xiao R, Cho MT, Yakubu SF, Henderson LB, Guillen Sacoto MJ, Begtrup A, Hamad M, Shinawi M, Andrews MV, Jones MC, Lindstrom K, Bristol RE, Kayani S, Snyder M, Villanueva MM, Schteinschnaider A, Faivre L, Thauvin C, Vitobello A, **Roscioli T**, Kirk EP, Bye A, Merzaban J, Jaremko Ł, Jaremko M, Sachdev RK, Alkuraya FS, Arold ST. De Novo variants disrupting the HX repeat motif of ATN1 cause a recognizable non-progressive neurocognitive syndrome. *American Journal of Human Genetics*, 104(3):542-552, 2019
 201. Palsson TS, Gibson W, Darlow B, Bunzli S, Lehman G, Rabey M, Moloney N, Vaegter HB, **Bagg MK**, Travers M. Changing the narrative in diagnosis and management of pain in the sacroiliac joint area. *Physical Therapy*, 99(11):1511-1519, 2019
 202. Pang I, **Okubo Y**, **Sturnieks D**, **Lord SR**, **Brodie MA**. Detection of near falls using wearable devices: A systematic review. *Journal of Geriatric Physical Therapy* 42(1): 48-56, 2019
 203. Pearson-Dennett V, Faulkner PL, Collie B, Wilcox RA, Vogel AP, Thewlis D, Esterman A, McDonnell MN, **Gandevia SC**, White JM, Todd G. Use of illicit amphetamines is associated with long-lasting changes in hand circuitry and control. *Clinical Neurophysiology*, 130(5):655-665, 2019
 204. **Pelicioni PHS**, **Menant JC**, Latt MD, **Lord SR**. Falls in Parkinson's Disease subtypes: risk factors, locations and circumstances. *International Journal of Environmental Research and Public Health*, 16(12):pii:E2216
 205. **Pelicioni PHS**, Pereira MP, Lahr J, Rodrigues MML, de Moraes LC, Moraes R, Gobbi LTB. Motor adjustments during time-constrained sit-to-walk in people with Parkinson's disease. *Experimental Gerontology*, 124:110654, 2019
 206. **Pelicioni PHS**, Tijmsa M, **Lord SR**, **Menant J**. Prefrontal cortical activation measured by fNIRS during walking: effects of age, disease and secondary task. *PeerJ*, 7:e6833, 2019
 207. Peng R, **Anstey KJ**. Longitudinal study of factors associated with informal care provision: Evidence from older Australians. *Australasian Journal on Ageing*, 38(2):98-106, 2019
 208. **Peters R**. No clear relationship between antihypertensive class and cognitive function over 12 months in a cohort study of community dwelling adults aged 80 and over. *Therapeutic Advances in Chronic Disease*, 10:1-9, 2019
 209. **Peters R**, Beckett N, Antikainen R, Rockwood K, Bulpitt CJ, **Anstey KJ**. Subjective memory complaints and incident dementia in a high risk older adult hypertensive population. *Age and Ageing*, 48:253-259, 2019
 210. **Peters R**, Booth A, Rockwood K, Peters J, D'Este C, **Anstey KJ**. Combining modifiable risk factors and risk of dementia, a systematic review and meta-analysis. *BMJ Open*, 9(1):e022846, 2019
 211. **Peters R**, **Ee N**, Peters J, Booth A, Mudway I, **Anstey KJ**. Air pollution and dementia, a systematic review. *Journal of Alzheimer's Disease*, 70(s1):S145-S163, 2019
 212. **Peters R**, **Ee N**, Peters J, Beckett N, Booth A, Rockwood K, **Anstey KJ**. Common risk factors for major noncommunicable disease, a systematic overview of reviews and commentary: the implied potential for targeted risk reduction. *Therapeutic Advances in Chronic Disease*, 10:1-14, 2019
 213. **Peters R**, Warwick J, **Anstey K**, Anderson C. Blood pressure and dementia: what the SPRINT-MIND trial adds, and what we still need to know. *Neurology*, 92(21):1017-1018, 2019
 214. Pieruccini-Faria F, **Lord SR**, **Toson B**, Kemmler W, **Schoene D**. Mental flexibility influences the association between poor balance and falls in older people – a secondary analysis. *Frontiers in Aging Neuroscience*, 11:133, 2019
 215. Pottier C, Ren Y, Perkerson RB 3rd, Baker M, Jenkins GD, van Blitterswijk M, DeJesus-Hernandez M, van Rooij JGJ, Murray ME, Christopher E, McDonnell SK, Fogarty Z, Batzler A, Tian S, Vicente CT, Matchett B, Karydas AM, Hsiung GR, Seelaar H, Mol MO, Finger EC, Graff C, Öijersted L, Neumann M, Heutink P, Synofzik M, Wilke C, Prudlo J, Rizzu P, Simon-Sanchez J, Edbauer D, Roeber S, Diehl-Schmid J, Evers BM, King A, Mesulam MM, Weintraub S, Geula C, Bieniek KF, Petrucelli L, Ahern GL, Reiman EM, Woodruff BK, Caselli RJ, Huey ED, Farlow MR, Grafman J, Mead S, Grinberg LT, Spina S, Grossman M, Irwin DJ, Lee EB, Suh E, Snowden J, Mann D, Ertekin-Taner N, Uitti RJ, Wszolek ZK, Josephs KA, Parisi JE, Knopman DS,

- Petersen RC, Hodges JR, Piguet O, Geier EG, Yokoyama JS, Rissman RA, Rogaeva E, Keith J, Zinman L, Tartaglia MC, Cairns NJ, Cruchaga C, Ghetti B, Kofler J, Lopez OL, Beach TG, Arzberger T, Herms J, Honig LS, Vonsattel JP, **Halliday GM, Kwok JB**, White CL 3rd, Gearing M, Glass J, Rollinson S, Pickering-Brown S, Rohrer JD, Trojanowski JQ, Van Deerlin V, Bigio EH, Troakes C, Al-Sarraj S, Asmann Y, Miller BL, Graff-Radford NR, Boeve BF, Seeley WW, Mackenzie IRA, van Swieten JC, Dickson DW, Biernacka JM, Rademakers R. Genome-wide analyses as part of the international FTLT-TDP whole-genome sequencing consortium reveals novel disease risk factors and increases support for immune dysfunction in FTLT. *Acta Neuropathologica*, 137(6):879-899, 2019
216. Preische O, Schultz SA, Apel A, Kuhle J, Kaeser SA, Barro C, Gräber S, Kuder-Buletta E, LaFougere C, Laske C, Vöglein J, Levin J, Masters CL, Martins R, **Schofield PR**, Rossor MN, Graff-Radford NR, Salloway S, Ghetti B, Ringman JM, Noble JM, Chhatwal J, Goate AM, Benzinger TLS, Morris JC, Bateman RJ, Wang G, Fagan AM, McDade EM, Gordon BA, Jucker M; Dominantly Inherited Alzheimer Network. Serum neurofilament dynamics predicts neurodegeneration and clinical progression in presymptomatic Alzheimer's disease. *Nature Medicine*, 25(2):277-283, 2019
 217. **Quidé Y**, Bortolaschi CC, Spolding B, Kidnapillai S, **Watkeys OJ**, Cohen-Woods S, Berk M, **Carr VJ**, Walder K, **Green MJ**. Association between childhood trauma exposure and pro-inflammatory cytokines in schizophrenia and bipolar-I disorder. *Psychological Medicine*, 49(16): 2736-2744, 2019
 218. **Qureshi HG, Butler AA**, Kerr GK, **Gandevia SC, Héroux ME**. The hidden hand is perceived closer to midline. *Experimental Brain Research*, 237(7):1773-1779, 2019
 219. **Radford K, Lavrencic LM, Delbaere K**, Draper B, Cumming R, Daylight G, Mack HA, Chalkley S, Bennet H, Garvey G, Hill T-Y, Lasschuit D, **Broe GA**. Factors associated with the high prevalence of dementia in older Aboriginal Australians. *Journal of Alzheimer's Disease*, 70(s1):S75-S85, 2019
 220. **Revelas M, Thalamuthu A**, Oldmeadow C, Evans TJ, Armstrong NJ, Riveros C, **Kwok JB, Schofield PR**, Brodaty H, Scott RJ, Attia JR, Sachdev PS, **Mather KA**. Exceptional longevity and polygenic risk for cardiovascular health. *Genes*, 10(3):E227, 2019
 221. Rhon DI, **O'Hagan E**, Mysliwiec V, Lentz TA. Does disordered sleep moderate the relationship between pain, disability and downstream health care utilization in patients with low back pain?. *Spine*, 44(21):1481-1491, 2019
 222. **Rinaudo CN, Schubert MC, Figtree WVC, Todd CJ, Migliaccio AA**. Human vestibulo-ocular reflex adaptation is frequency-selective. *Journal of Neurophysiology*, 122(3):984-993, 2019
 223. **Rinaudo CN, Schubert MC, Cremer PD, Figtree WVC, Todd CJ, Migliaccio AA**. Improved oculomotor physiology and behavior after unilateral incremental adaptation training in a person with chronic vestibular hypofunction: a case report. *Physical Therapy*, 99(10):1326-1333, 2019
 224. Rosengren SM, Weber KP, **Govender S**, Welgampola MS, Dennis DL, **Colebatch JG**. Sound-evoked vestibular projections to the splenius capitis in humans: comparison with the sternocleidomastoid muscle. *Journal of Applied Physiology*, 126(6):1619-1629, 2019
 225. Rowsell L, Wong KKH, Yee BJ, **Eckert DJ**, Somogyi AA, Duffin J, Grunstein RR, Wang D. The Effect of Acute Morphine on Obstructive Sleep Apnoea: A Randomized Double-Blind Placebo-Controlled Cross-over Trial. *Thorax* 74:177-184, 2019
 226. Sacre JW, Magliano DJ, Zimmet PZ, Polkinghorne KR, Chadban SJ, **Anstey KJ**, Shaw JE. Associations of chronic kidney disease markers with cognitive function: A 12-year follow-up study. *Journal of Alzheimer's Disease*, 70(s1):S19-S30, 2019
 227. Saha M, Menuet C, Sun QJ, **Burke PGR**, Hildreth CM, Allen AM, Phillips JK. Respiratory sympathetic modulation is augmented in chronic kidney disease. *Respiratory Physiology & Neurobiology*, 262:57-66, 2019
 228. Saporito S, **Brodie M, Delbaere K**, Hoogland J, Rispens SM, Spina G, Stevens M, Annegarn J. Remote Timed Up and Go evaluation from activities of daily living reveals changing mobility after surgery. *Physiological Measurement*, 40(3):035004, 2019
 229. Satizabal CL, Adams HHH, Hibar DP, White CC, Knol MJ, Stein JL, Scholz M, Sargurupremraj M, Jahanshad N, Roshchupkin GV, Smith AV, Bis JC, Jian X, Luciano M, Hofer E, Teumer A, van der Lee SJ, Yang J, Yanek LR, Lee TV, Li S, Hu Y, Koh JY, Eicher JD, Desrivieres S, Arias-Vasquez A, Chauhan G, Athanasiu L, Rentería ME, Kim S, Hoehn D, Armstrong NJ, Chen Q, Holmes AJ, den Braber A,

- Kloszewski I, Andersson M, Espeseth T, Grimm O, Abramovic L, Alhusaini S, Milaneschi Y, Pappmeyer M, Axelsson T, Ehrlich S, Roiz-Santiañez R, Kraemer B, Häberg AK, Jones HJ, Pike GB, Stein DJ, Stevens A, Bralten J, Vernooij MW, Harris TB, Filippi I, Witte AV, Guadalupe T, Wittfeld K, Mosley TH, Becker JT, Doan NT, Hagenaars SP, Saba Y, Cuellar-Partida G, Amin N, Hilal S, Nho K, Mirza-Schreiber N, Arfanakis K, Becker DM, Ames D, Goldman AL, Lee PH, Boomsma DI, Lovestone S, Giddaluru S, Le Hellard S, Mattheisen M, Bohlken MM, Kasperaviciute D, Schmaal L, Lawrie SM, Agartz I, Walton E, Tordesillas-Gutierrez D, Davies GE, Shin J, Ipser JC, Vinke LN, Hoogman M, Jia T, Burkhardt R, Klein M, Crivello F, Janowitz D, Carmichael O, Haukvik UK, Aribisala BS, Schmidt H, Strike LT, Cheng CY, Risacher SL, Pütz B, Fleischman DA, Assareh AA, Mattay VS, Buckner RL, Mecocci P, Dale AM, Cichon S, Boks MP, Matarin M, Penninx BWJH, Calhoun VD, Chakravarty MM, Marquand AF, Macare C, Kharabian Masouleh S, Oosterlaan J, Amouyel P, Hegenscheid K, Rotter JI, Schork AJ, Liewald DCM, de Zubicaray GI, Wong TY, Shen L, Sämann PG, Brodaty H, Roffman JL, de Geus EJC, Tsohaki M, Erk S, van Eijk KR, Cavalleri GL, van der Wee NJA, McIntosh AM, Gollub RL, Bulayeva KB, Bernard M, Richards JS, Himali JJ, Loeffler M, Rommelse N, Hoffmann W, Westlye LT, Valdés Hernández MC, Hansell NK, van Erp TGM, Wolf C, Kwok JBJ, Vellas B, Heinz A, Olde Loohuis LM, Delanty N, Ho BC, Ching CRK, Shumskaya E, Singh B, Hofman A, van der Meer D, Homuth G, Psaty BM, Bastin ME, Montgomery GW, Foroud TM, Reppermund S, Hottenga JJ, Simmons A, Meyer-Lindenberg A, Cahn W, Whelan CD, van Donkelaar MMJ, Yang Q, Hosten N, Green RC, Thalamuthu A, Mohnke S, Hulshoff Pol HE, Lin H, Jack CR Jr, **Schofield PR**, Mühleisen TW, Maillard P, Potkin SG, Wen W, Fletcher E, Toga AW, Gruber O, Huentelman M, Davey Smith G, Launer LJ, Nyberg L, Jönsson EG, Crespo-Facorro B, Koen N, Greve DN, Uitterlinden AG, Weinberger DR, Steen VM, Fedko IO, Groenewold NA, Niessen WJ, Toro R, Tzourio C, Longstreth WT Jr, Ikram MK, Smoller JW, van Tol MJ, Sussmann JE, Paus T, Lemaître H, Schroeter ML, Mazoyer B, Andreassen OA, Holsboer F, Depondt C, Veltman DJ, Turner JA, Pausova Z, Schumann G, van Rooij D, Djurovic S, Deary IJ, McMahon KL, Müller-Myhsok B, Brouwer RM, Soininen H, Pandolfo M, Wassink TH, Cheung JW, Wolfers T, Martinot JL, Zwiers MP, Nauck M, Melle I, Martin NG, Kanai R, Westman E, Kahn RS, Sisodiya SM, White T, Saremi A, van Bokhoven H, Brunner HG, Völzke H, Wright MJ, van 't Ent D, Nöthen MM, Ophoff RA, Buitelaar JK, Fernández G, Sachdev PS, Rietschel M, van Haren NEM, Fisher SE, Beiser AS, Francks C, Saykin AJ, **Mather KA**, Romanczuk-Seiferth N, Hartman CA, DeStefano AL, Heslenfeld DJ, Weiner MW, Walter H, Hoekstra PJ, Nyquist PA, Franke B, Bennett DA, Grabe HJ, Johnson AD, Chen C, van Duijn CM, Lopez OL, Fornage M, Wardlaw JM, Schmidt R, DeCarli C, De Jager PL, Villringer A, Debette S, Gudnason V, Medland SE, Shulman JM, Thompson PM, Seshadri S, Ikram MA. Genetic architecture of subcortical brain structures in 38,851 individuals. *Nature Genetics*, 51:1624-1636, 2019
230. Schubert MC, **Migliaccio AA**. New Advances Regarding Adaptation of the Vestibulo-Ocular Reflex. *Journal of Neurophysiology*, 122(2):644-658, 2019
 231. **Seminowicz DA**, Thapa T, **Schabrun SM**. Corticomotor depression is associated with higher pain severity in the transition to sustained pain: a longitudinal exploratory study of individual differences. *Journal of Pain*, 20(12):1498-1506, 2019
 232. Shehadeh J, Double KL, **Murphy KE**, Bobrovskaya L, Reyes S, Dunkley PR, **Halliday GM**, Dickson PW. Expression of tyrosine hydroxylase isoforms and phosphorylation at serine 40 in the human nigrostriatal system in Parkinson's disease. *Neurobiology of Disease*, 130:104524, 2019
 233. **Shepherd CE**, Alvendia H, **Halliday GM**. Brain banking for research into neurodegenerative disorders and ageing. *Neuroscience Bulletin*, 35(2):283-288, 2019
 234. Sloan EK, **Walker AK**. Elucidating the mechanisms of psychosocial influences on cancer using preclinical *in vivo* models. *Current Opinion in Behavioral Sciences*, 28:129-135, 2019
 235. Smith LJ, **Macefield VG**, **Birznieks I**, **Burton AR**. Effects of tonic muscle pain on fusimotor control of human muscle spindles during isometric ankle dorsiflexion. *Journal of Neurophysiology*, 121(4):1143-1149 2019
 236. Southi N, Honan CA, **Hodges JR**, **Piguet O**, **Kumfor F**. Reduced capacity for empathy in corticobasal syndrome and its impact on carer burden. *International Journal of Geriatric Psychiatry*, 34(3):497-503, 2019
 237. Stahl EA, Breen G, Forstner AJ, McQuillin A, Ripke S, Trubetskoy V, Mattheisen M, Wang

- Y, Coleman JRI, Gaspar HA, de Leeuw CA, Steinberg S, Pavlides JMW, Trzaskowski M, Byrne EM, Pers TH, Holmans PA, Richards AL, Abbott L, Agerbo E, Akil H, Albani D, Alliey-Rodriguez N, Als TD, Anjorin A, Antilla V, Awasthi S, Badner JA, Bækvad-Hansen M, Barchas JD, Bass N, Bauer M, Belliveau R, Bergen SE, Pedersen CB, Bøen E, Boks MP, Boocock J, Budde M, Bunney W, Burmeister M, Bybjerg-Grauholm J, Byerley W, Casas M, Cerrato F, Cervantes P, Chambert K, Charney AW, Chen D, Churchhouse C, Clarke TK, Coryell W, Craig DW, Cruceanu C, Curtis D, Czerski PM, Dale AM, de Jong S, Degenhardt F, Del-Favero J, DePaulo JR, Djurovic S, Dobbyn AL, Dumont A, Elvsåshagen T, Escott-Price V, Fan CC, Fischer SB, Flickinger M, Foroud TM, Forty L, Frank J, Fraser C, Freimer NB, Frisén L, Gade K, Gage D, Garnham J, Giambartolomei C, Pedersen MG, Goldstein J, Gordon SD, Gordon-Smith K, Green EK, **Green MJ**, Greenwood TA, Grove J, Guan W, Guzman-Parra J, Hamshere ML, Hautzinger M, Heilbronner U, Herms S, Hipolito M, Hoffmann P, Holland D, Huckins L, Jamain S, Johnson JS, Juréus A, Kandaswamy R, Karlsson R, Kennedy JL, Kittel-Schneider S, Knowles JA, Kogevinas M, Koller AC, Kupka R, Lavebratt C, Lawrence J, Lawson WB, Leber M, Lee PH, Levy SE, Li JZ, Liu C, Lucae S, Maaser A, MacIntyre DJ, Mahon PB, Maier W, Martinsson L, McCarroll S, McGuffin P, McInnis MG, McKay JD, Medeiros H, Medland SE, Meng F, Milani L, Montgomery GW, Morris DW, Mühleisen TW, Mullins N, Nguyen H, Nievergelt CM, Adolfsson AN, Nwulia EA, O'Donovan C, Loohuis LMO, Ori APS, Oruc L, Ösby U, Perlis RH, Perry A, Pfennig A, Potash JB, Purcell SM, Regeer EJ, Reif A, Reinbold CS, Rice JP, Rivas F, Rivera M, Roussos P, Ruderfer DM, Ryu E, Sánchez-Mora C, Schatzberg AF, Scheftner WA, Schork NJ, **Shannon Weickert C**, Shekhtman T, Shilling PD, Sigurdsson E, Slaney C, Smeland OB, Sobell JL, Söholm Hansen C, Spijker AT, St Clair D, Steffens M, Strauss JS, Streit F, Strohmaier J, Szelinger S, Thompson RC, Thorgeirsson TE, Treutlein J, Vedder H, Wang W, Watson SJ, **Weickert TW**, Witt SH, Xi S, Xu W, Young AH, Zandi P, Zhang P, Zöllner S; eQTLGen Consortium; BIOS Consortium, Adolfsson R, Agartz I, Alda M, Backlund L, Baune BT, Bellivier F, Berrettini WH, Biernacka JM, Blackwood DHR, Boehnke M, Børglum AD, Corvin A, Craddock N, Daly MJ, Dannlowski U, Esko T, Etain B, Frye M, **Fullerton JM**, Gershon ES, Gill M, Goes F, Grigoriu-Serbanescu M, Hauser J, Hougaard DM, Hultman CM, Jones I, Jones LA, Kahn RS, Kirov G, Landén M, Leboyer M, Lewis CM, Li QS, Lissowska J, Martin NG, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Metspalu A, Mitchell PB, Morken G, Mors O, Mortensen PB, Müller-Myhsok B, Myers RM, Neale BM, Nimgaonkar V, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Owen MJ, Paciga SA, Pato C, Pato MT, Posthuma D, Ramos-Quiroga JA, Ribasés M, Rietschel M, Rouleau GA, Schalling M, **Schofield PR**, Schulze TG, Serretti A, Smoller JW, Stefansson H, Stefansson K, Stordal E, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Werge T, Nurnberger JI, Wray NR, Di Florio A, Edenberg HJ, Cichon S, Ophoff RA, Scott LJ, Andreassen OA, Kelsoe J, Sklar P; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium. Genome-wide association study identifies 30 loci associated with bipolar disorder. *Nature Genetics*, 51(5):793-803, 2019
238. Stankovic I, Quinn N, Vignatelli L, Antonini A, Berg D, Coon E, Cortelli P, Fanciulli A, Ferreira JJ, Freeman R, **Halliday G**, Höglinger GU, Iodice V, Kaufmann H, Klockgether T, Kostic V, Krismer F, Lang A, Levin J, Low P, Mathias C, Meissner WG, Kaufmann LN, Palma JA, Panicker JN, Pellecchia MT, Sakakibara R, Schmähmann J, Scholz SW, Singer W, Stamelou M, Tolosa E, Tsuji S, Seppi K, Poewe W, Wenning GK; Movement Disorder Society Multiple System Atrophy Study Group. A critique of the second consensus criteria for multiple system atrophy. *Movement Disorders*, 34(7):975-984, 2019
239. Stapp EK, Musci RJ, **Fullerton JM**, Glowinski AL, McInnis M, Mitchell PB, Hulvershorn LA, Ghaziuddin N, Roberts GMP, Merikangas KR, Nurnberger JI Jr, Wilcox HC. Patterns and predictors of family environment among adolescents at high and low risk for familial bipolar disorder. *Journal of Psychiatric Research*, 114:153-160, 2019
240. Steffens D, Young JM, Solomon M, Beckenkamp PR, Koh C, Vuong K, **Brodie MA**, **Delbaere K**. Preliminary evidence for physical activity following pelvic exenteration: a pilot longitudinal cohort study. *BMC Cancer*, 19(1):661, 2019
241. Strohäker T, Jung BC, Liou SH, Fernandez CO, Riedel D, Becker S, **Halliday GM**, Bennati M, **Kim WS**, Lee SJ, Zweckstetter

- M. Structural heterogeneity of α -synuclein fibrils amplified from patient brain extracts. *Nature Communications*, 10(1):5535, 2019
242. **Sturnieks DL, Menant J**, Valenzuela M, **Delbaere K**, Sherrington C, **Herbert RD**, Lampit A, Broadhouse K, **Turner J**, Schoene D, **Lord SR**. Effect of cognitive-only and cognitive-motor training on preventing falls in community-dwelling older people: protocol for the smart+step randomised controlled trial. *BMJ Open*, 9(8):e029409, 2019
243. Su Y, Flores S, Wang G, Hornbeck RC, Speidel B, Joseph-Mathurin N, Vlassenko AG, Gordon BA, Koeppe RA, Klunk WE, Jack CR Jr, Farlow MR, Salloway S, Snider BJ, Berman SB, Roberson ED, Brosch J, Jimenez-Velazques I, van Dyck CH, Galasko D, Yuan SH, Jayadev S, Honig LS, Gauthier S, Hsiung GR, Masellis M, **Brooks WS**, Fulham M, Clarnette R, Masters CL, Wallon D, Hannequin D, Dubois B, Pariente J, Sanchez-Valle R, Mummery C, Ringman JM, Bottlaender M, Klein G, Milosavljevic-Ristic S, McDade E, Xiong C, Morris JC, Bateman RJ, Benzinger TLS. Comparison of Pittsburgh compound B and florbetapir in cross-sectional and longitudinal studies. *Alzheimer's & Dementia*, 11:180-190, 2019
244. Summers SJ, Chipchase LS, Hirata R, Graven-Nielsen T, Cavaleri R, **Schabrun SM**. Motor adaptation varies between individuals in the transition to sustained pain. *Pain*, 160(9):2115-2125, 2019
245. Summers SJ, **Schabrun SM**, Hirata RP, Graven-Nielsen T, Cavaleri R, Chipchase LS. Effect of sustained experimental muscle pain on joint position sense. *Pain Reports*, 4(3):e737, 2019
246. Swarup V, Hinz FI, Rexach JE, Noguchi KI, Toyoshiba H, Oda A, Hirai K, Sarkar A, Seyfried NT, Cheng C, Haggarty SJ; International Frontotemporal Dementia Genomics Consortium (Incl. **Kwok JBJ, Dobson-Stone C, Brooks WS, Schofield PR, Halliday GM, Hodges JR, Bartley L**), Grossman M, Van Deerlin VM, Trojanowski JQ, Lah JJ, Levey AI, Kondou S, Geschwind DH. Identification of evolutionarily conserved gene networks mediating neurodegenerative dementia. *Nature Medicine* 25:152-164, 2019
247. Tan AC, **Armstrong E, Close J**, Harris IA. Data quality audit of a clinical quality registry: a generic framework and case study of the Australian and New Zealand Hip Fracture Registry. *BMJ Open Quality*, 8(3):e000490, 2019
248. Tan RH, Guennewig B, Dobson-Stone C, Kwok JBJ, Kril JJ, **Kiernan MC**, Hodges JR, Piguet O, Halliday GM. The underacknowledged PPA-ALS: A unique clinicopathologic subtype with strong heritability. *Neurology*, 92(12):e1354-e1366, 2019
249. **Tan RH**, Yang Y, **McCann H, Shepherd C, Halliday GM**. Von economo neurons in behavioral variant frontotemporal dementia with underlying Alzheimer's Disease. *Journal of Alzheimer's Disease*, 69(4):963-967, 2019
250. Taranto-Montemurro L, Messineo L, Sands SA, Azarbarzin A, Marques M, Edwards BA, **Eckert DJ**, White DP, Wellman A. The Combination of Atomoxetine and Oxybutynin Greatly Reduces Obstructive Sleep Apnea Severity: A Randomized, Placebo-Controlled, Double-Blind Crossover Trial. *American Journal of Respiratory and Critical Care Medicine*, 199(10):1267-1276, 2019
251. **Taylor ME**, Boripuntakul S, **Toson B, Close JCT, Lord SR**, Kochan NA, Sachdev PS, Brodaty H, **Delbaere K**. The role of cognitive function and physical activity in physical decline in older adults across the cognitive spectrum. *Ageing and Mental Health*, 23(7):863-871, 2019
252. **Taylor ME, Brodie MA, van Schooten KS, Delbaere K, Close JCT, Payne N, Webster L, Chow J, McInerney G, Kurrle SE, Lord SR**. Older people with dementia have reduced daily-life activity and impaired daily-life gait when compared to age-sex matched controls. *Journal of Alzheimer's Disease*, 71(s1):S125-S135, 2019
253. **Taylor ME, Lord SR, Delbaere K**, Wen W, Jiang Y, Brodaty H, Kurrle SE, Mikolaizak AS, **Close JCT**. White matter hyperintensities are associated with falls in older people with dementia. *Brain Imaging and Behavior*, 13(5):1265-1272, 2019
254. Thillainadesan J, Hilmer S, **Close J**, Kearney L, Naganathan V. Geriatric medicine services for older surgical patients in acute hospitals: Results from a binational survey. *Australasian Journal on Ageing*, 38(4): 278-283, 2019
255. **Todd CJ**, Schubert MC, **Figtree WVC, Migliaccio AA**. Incremental vestibulo-ocular reflex adaptation training dynamically tailored for each individual. *Journal of Neurologic Physical Therapy*, 43:S2-S7, 2019
256. Todd NP, **Govender S, Colebatch JG**. Modulation of the human electro-cerebellogram (ECeG) during vestibular

- and optokinetic stimulation. *Neuroscience Letters*, 712:134497, 2019
257. Toh SL, **Lee BB**, **Ryan S**, Simpson JM, Clezy K, **Bossa L**, Rice SA, **Marial O**, Weber GH, Kaur J, **Boswell-Ruys CL**, Goodall S, Middleton JW, Tuderohope M, Kotsiou G. Probiotics [LGG-BB12 or RC14-GR1] versus placebo as prophylaxis for urinary tract infection in persons with spinal cord injury [ProSCIUTTU]: a randomised controlled trial. *Spinal Cord*, 57(7):550-561, 2019
 258. **Toma C**, Díaz-Gay M, Soares de Lima Y, Arnau-Collell C, Franch-Expósito S, Muñoz J, **Overs B**, Bonjoch L, Carballal S, MD PhD, Ocaña T, Cuatrecasas M, Castells A, Bujanda L, Cubiella J, Balaguer F, Rodríguez-Alcalde D, MD PhD, **Fullerton JM**, Castellví-Bel S. Identification of a novel candidate gene for serrated polyposis syndrome germline predisposition by performing linkage analysis combined with whole-exome sequencing. *Clinical and Translational Gastroenterology*, 10(10):e00100, 2019
 259. **Tong J**, **Jugé L**, **Burke PG**, **Knapman F**, **Eckert DJ**, **Bilston LE**, **Amatoury J**. Respiratory-related displacement of the trachea in obstructive sleep apnea. *Journal of Applied Physiology*, 127(5):1307-1316, 2019
 260. Toots ATM, **Taylor ME**, **Lord SR**, **Close JCT**. Associations between gait speed and cognitive domains in older people with cognitive impairment. *Journal of Alzheimer's Disease*, 71(s1):S15-S21, 2019
 261. Torrico B, **Shaw AD**, Mosca R, Vivo-Luque N, Hervas A, Fernandez-Castillo N, Aloy P, Bayes M, **Fullerton J**, Cormand B, **Toma C**. Truncating variant burden in high functioning autism and pleiotropic effects of LRP1 across psychiatric phenotypes. *Journal of Psychiatry and Neuroscience*, 44(5):350-359, 2019
 262. **Traeger AC**, **Lee H**, **Hübscher M**, **Skinner IW**, **Moseley GL**, Nicholas MK, Henschke N, Refshauge KM, Blyth FM, Main CJ, Hush JM, Lo S, **McAuley JH**. Effect of intensive patient education vs placebo patient education on outcomes in patients with acute low back pain: a randomized clinical trial. *JAMA Neurology*, 76(2):161-169, 2019
 263. Travers MJ, Murphy MC, Debenham JR, Chivers P, Bulsara MK, **Bagg MK**, Palsson TS, Gibson W. Should this systematic review and meta-analysis change my practice? Part 1: exploring treatment effect and trustworthiness. *British Journal of Sports Medicine*, 53(23):1488-1492, 2019
 264. Travers MJ, Murphy MC, Debenham JR, Chivers P, Bulsara MK, **Bagg MK**, Palsson TS, Gibson W. Should this systematic review and meta-analysis change my practice? Part 2: exploring the role of the comparator, diversity, risk of bias and confidence. *British Journal of Sports Medicine*, 53(23):1493-1497, 2019
 265. Ullrich P, Werner C, Eckert T, Bongartz M, Kiss R, Feißt M, **Delbaere K**, Bauer J, Hauer K. Cut-off for the Life-Space Assessment in Persons with Cognitive Impairment. *Aging Clinical and Experimental Research*, 31(9):1331-1335, 2019
 266. Van Ancum JM, **van Schooten KS**, Jonkman NH, Huijben B, van Lummel RC, Meskers CGM, Maier AB, Pijnappels M. Gait speed assessed by a 4-m walk test is not representative of daily-life gait speed in community-dwelling adults. *Maturitas*, 121:28-34, 2019
 267. **Van Schooten KS**, **Duran L**, **Visschedijk M**, Pijnappels M, **Lord SR**, Richardson J, **Delbaere K**. Catch the ruler: concurrent validity and test-retest reliability of the *ReacStick* measures of reaction time and inhibitory executive function in older people. *Ageing Clinical Experimental Research*, 31(8):1147-1154, 2019
 268. **Van Schooten KS**, Freiburger E, Smitt MS, Keppner V, Sieber C, **Lord SR**, **Delbaere K**. Concern About Falling Is Associated with Gait Speed, Independently from Physical and Cognitive Function. *Physical Therapy*, 99(8):989-997, 2019
 269. **Van Schooten KS**, Pijnappels M, **Lord SR**, van Dieën JH. Quality of Daily-Life Gait: Novel Outcome for Trials that Focus on Balance, Mobility, and Falls. *Sensors*, 19(20):E4388, 2019
 270. Viaje S, Crombez G, **Lord SR**, **Close JCT**, Sachdev P, Brodaty H, Delbaere K. The role of concern about falling on stepping performance during complex activities. *BMC Geriatrics*, 19(1): 333, 2019
 271. Vidaurre C, Nolte G, de Vries IEJ, Gómez M, **Boonstra TW**, Müller KR, Villringer A, Nikulin VV. Canonical maximization of coherence: A novel tool for investigation of neuronal interactions between two datasets. *NeuroImage*, 201:116009, 2019
 272. **Virachit S**, Mathews KJ, Cottam V, Werry E, Galli E, Rappou E, Lindholm P, Saarma M, Halliday GM, **Shannon Weickert C**, Double KL. Levels of glial cell line-derived neurotrophic factor are decreased, but

- fibroblast growth factor 2 and cerebral dopamine neurotrophic factor are increased in the hippocampus in Parkinson's disease. *Brain Pathology*, 29(6):813-825, 2019
273. Vöglein J, Noachtar S, McDade E, Quaid KA, Salloway S, Ghetti B, Noble J, Berman S, Chhatwal J, Mori H, Fox N, Allegri R, Masters CL, Buckles V, Ringman JM, Rossor M, **Schofield PR**, Sperling R, Jucker M, Laske C, Paumier K, Morris JC, Bateman RJ, Levin J, Danek A; Dominantly Inherited Alzheimer Network. Seizures as an early symptom of autosomal dominant Alzheimer's disease. *Neurobiology of Aging*, 76:18-23, 2019
 274. Vöglein J, Paumier K, Jucker M, Preische O, McDade E, Hassenstab J, Benzinger TL, Noble JM, Berman SB, Graff-Radford NR, Ghetti B, Farlow MR, Chhatwal J, Salloway S, Xiong C, Karch CM, Cairns N, Mori H, **Schofield PR**, Masters CL, Goate A, Buckles V, Fox N, Rossor M, Chrem P, Allegri R, Ringman JM, Höglinger G, Steiner H, Dieterich M, Haass C, Laske C, Morris JC, Bateman RJ, Danek A, Levin J, Dominantly Inherited Alzheimer Network. Clinical, pathophysiological and genetic features of motor symptoms in autosomal dominant Alzheimer's disease. *Brain*, 142(5):1429-1440, 2019
 275. Wadhwa R, Wen W, Frankland A, Leung V, Sinbandhit C, Stuart A, Dawes L, Hadzi-Pavlovic D, Levy F, **Lenrootl R**, Mitchell PB, Roberts G. White matter hyperintensities in young individuals with bipolar disorder or at high genetic risk. *Journal of Affective Disorders*, 245:228-236, 2019
 276. **Walker AK**, Martelli D, Ziegler AI, Lambert GW, Phillips SE, Hill SJ, McAllen RM, Sloan EK. Circulating epinephrine is not required for chronic stress to enhance metastasis. *Psychoneuroendocrinology*, 99:191-195, 2019
 277. Walsh EL, Shaw M, Sachdev P, **Anstey KJ**, Cherbuin, N. The impact of type 2 diabetes and body mass index on cerebral structure is modulated by brain reserve. *European Journal of Neurology*, 26:121-127, 2019
 278. **Wang AP**, **Butler AA**, Valentine JD, **Rae CD**, **McAuley J**, **Gandevia SC**, **Moseley GL**. A novel finger illusion reveals reduced weighting of bimanual hand cortical representations in people with complex regional pain syndrome. *Journal of Pain*, 20(2):171-180, 2019
 279. Wannan CMJ, Cropley VL, Chakravarty MM, Bousman C, Ganella EP, **Bruggemann J**, **Weickert TW**, **Shannon Weickert C**, Everall I, McGorry P, Velakoulis D, Wood SJ, Bartholomeusz CF, Pantelis C, Zalesky A. Evidence for network-based cortical thickness reductions in schizophrenia. *American Journal of Psychiatry*, 176(7):552-563, 2019
 280. **Watson C**, Bartholomaeus C, Puelles L. Time for radical changes in brain stem nomenclature-applying the lessons from developmental gene patterns. *Frontiers in Neuroanatomy*, 13:10, 2019
 281. **Watson C**, Binks D. Elongation of the CA1 field of the septal hippocampus in ungulates. *Journal of Comparative Neurology*, 527(4):818-832, 2019
 282. **Watson C**, Tvrdik P. Spinal accessory motor neurons in the mouse: a special type of branchial motor neuron?. *Anatomical Record (Hoboken)*, 302(3):505-511, 2019
 283. **Weickert CS**, **Lee CH**, **Lenroot RK**, **Bruggemann J**, Galletly C, Liu D, Balzan R, Pillai A, Buckley P, **Weickert TW**. Increased plasma Brain-Derived Neurotrophic Factor (BDNF) levels in females with schizophrenia. *Schizophrenia Research*, 209:212-217, 2019
 284. **Weickert TW**, Salimuddin H, **Lenroot RK**, **Bruggemann J**, Loo C, **Vercammen A**, **Kindler J**, **Shannon Weickert C**. Preliminary findings of four-week, task-based anodal prefrontal cortex transcranial Direct Current current Stimulation transferring to other cognitive improvements in schizophrenia. *Psychiatry Research*, 280:112487, 2019
 285. **Weissleder C**, Barry G, **Fung SJ**, **Wong MW**, Double KL, Webster MJ, **Shannon Weickert C**. Reduction in IGF1 mRNA in the human subependymal zone during aging. *Aging and Disease*, 10(1):197-204, 2019
 286. **Weissleder C**, **North HF**, **Shannon Weickert C**. Important unanswered questions about adult neurogenesis in schizophrenia. *Current Opinion in Psychiatry*, 32(3):170-178, 2019
 287. Whitten T, **Green MJ**, Laurens KR, Tzoumakis S, Harrs F, **Carr V**, Dean K. Parental offending and children's emergency department presentations in New South Wales, Australia. *Journal of Epidemiology Community Health*, 73(9):832-838, 2019
 288. Whitten T, Laurens KR, Tzoumakis S, Kaggodaarachchi S, **Green MJ**, Harris F, **Carr VJ**, Dean K. The influence of parental offending on the continuity and discontinuity of children's internalizing and externalizing difficulties from early to middle childhood. *Social Psychiatry and Psychiatric Epidemiology*, 54(8):965-975, 2019

289. **Wijesuriya NS, Eckert DJ**, Jordan AS, Schembri R, **Lewis C**, Meaklim H, Booker L, Brown D, Graco M, Berlowitz DJ. A randomised controlled trial of nasal decongestant to treat obstructive sleep apnoea in people with cervical spinal cord injury. *Spinal Cord*, 57(7):579-585, 2019
290. Williams A, **Lee H**, Kamper SJ, O'Brien KM, Wiggers J, Wolfenden L, Yoong SL, Hodder RK, Robson EK, Haskins R, **McAuley JH**, Williams CM. Casual mechanisms of a healthy lifestyle intervention for patients with musculoskeletal pain who are overweight or obese. *Clinical Rehabilitation*, 33(6):1088-1097, 2019
291. Williams A, van Dongen JM, Kamper SJ, O'Brien KM, Wolfenden L, Yoong SL, Hodder RK, **Lee H**, Robson EK, Haskins R, Rissel C, Wiggers J, Williams CM. Economic evaluation of a healthy lifestyle intervention for chronic low back pain: A randomized controlled trial. *European Journal of Pain*, 23(3):621-634, 2019
292. Williams LJ, Braithwaite FA, Leake HB, McDonnell MN, Peto DK, **Lorimer Moseley G**, Hillier SL. Reliability and validity of a mobile tablet for assessing left/right judgements. *Musculoskeletal Science and Practice*, 40:45-52, 2019
293. Woerman AL, Oehler A, Kazmi SA, Lee J, **Halliday GM**, Middleton LT, Gentleman SM, Mordes DA, Spina S, Grinberg LT, Olson SH, Prusiner SB. Multiple system atrophy prions retain strain specificity after serial propagation in two different Tg(*SNCA**A53T) mouse lines. *Acta Neuropathologica*, 137(3):437-454, 2019
294. Wollesen B, Wanstrath M, **van Schooten KS, Delbaere K**. A taxonomy of cognitive tasks to evaluate cognitive-motor interference on spatiotemporal gait parameters in older people: a systematic review and meta-analysis. *European Review of Aging and Physical Activity*, 16:12, 2019
295. Wong MWK, Braidy N, Crawford J, Pickford R, Song F, **Mather KA**, Attia J, Brodaty H, Sachdev P, Poljak A. APOE genotype differentially modulates plasma lipids in healthy older individuals, with relevance to brain health. *Journal of Alzheimer's Disease*, 72(3):703-716, 2019
296. **Wong S, Irish M**, Savage G, **Hodges JR, Piguet O**, Hornberger M. Strategic value-directed learning and memory in Alzheimer's disease and behavioural-variant frontotemporal dementia. *Journal of Neuropsychology*, 13(2):328-353, 2019
297. Xue D, Churches T, **Armstrong E**, Mittal R, Naylor JM, Harris IA. Interpreter proxy versus healthcare interpreter for administration of patient surveys following arthroplasty: a pilot study. *BMC Medical Research Methodology*, 19(1):206, 2019
298. **Yang Y, Halliday GM, Kiernan MC, Tan RH**. TDP-43 levels in the brain tissue of ALS cases with and without *C9ORF72* or *ATXN2* gene expansions. *Neurology*, 93(19):e1748-e1755, 2019
299. **Yeung J, Jugé L, Hatt A, Bilston LE**. Paediatric brain tissue properties measured with magnetic resonance elastography. *Biomechanics and Modeling in Mechanobiology*, 18(5):1497-1505, 2019
300. Zhang X, Sun B, Wang X, Lu H, Shao F, Rozemuller AJM, **Liang H**, Liu C, Chen J, Huang M, Zhu K. Phosphorylated TDP-43 staging of primary age-related tauopathy. *Neuroscience Bulletin*, 35(2):183-192, 2019
301. Zhu K, Wang X, Sun B, Wu J, Lu H, Zhang X, **Liang H**, Zhang D, Liu C. Primary age-related tauopathy in human subcortical nuclei. *Frontiers in Neuroscience*, 13:529, 2019
302. **Zieba J**, Morris MJ, **Karl T**. Behavioural effects of high fat diet exposure starting in late adolescence in neuregulin 1 transmembrane domain mutant mice. *Behavioural Brain Research*, 373:112074, 2019
303. **Zieba J, Sinclair D**, Sebree T, Bonn-Miller M, Gutterman D, Siegel S, **Karl T**. Cannabidiol (CBD) reduces anxiety-related behavior in mice via an *FMRP*-independent mechanism. *Pharmacology, Biochemistry and Behavior*, 181:93-100, 2019
304. **Zieba J**, Uddin GM, Youngson NA, **Karl T**, Morris MJ. Long-term behavioural effects of maternal obesity in C57BL/6J mice. *Physiology & Behavior* 199:306-313, 2019

Book Chapters

305. **Alexander R, Gatt JM**. Resilience. In: Miu AC, Homberg JR, Lesch K-P. Eds. *Genes, Brain and Emotions: Interdisciplinary and Translational Perspectives*. Chapter 20. Oxford: Oxford University Press, ISBN: 9780198793014, 2019
306. **Bilston LE**. Brain Tissue Mechanical Properties, in K. Miller (Ed.), *Biomechanics of the Brain*, 2nd edition, invited review, Chapter 4, Springer, ISBN: 978-1-4614-2828-2, 2019
307. **Cysique LA**, Brew BJ. Comorbid Depression and Apathy in HIV-associated Neurocognitive Disorder in the era of chronic HIV infection. In: *The Psychopharmacology of HIV-related Dementia and HAND. The Handbook of*

Clinical Neurology Series. Reus VI, Lindqvist D, (eds). Elsevier/Academic Press, Chapter 6:71-82, 2019

308. **Migliaccio AA**, Schubert MC. Advanced Vestibular Rehabilitation. In: Shaikh A., Ghasia F. (eds) *Advances in Translational Neuroscience of Eye Movement Disorders. Contemporary Clinical Neuroscience*. Springer, Cham ISBN: 978-3-030-31406-4 Chapter 9:167-190, 2019

Other

309. **Anstey KJ, Peters R**. Dementia, risk, risk reduction, and translation into practice: an international research network for dementia prevention (IRNDP) Special Issue. [Editorial] *Journal of Alzheimer's Disease*, 70(s1):S1-S3, 2019
310. Antônio FI, **Herbert RD**, Bø K, Japur Sá Rosa-E-Silva AC, Silva Lara LA, de Menezes Franco M, Jorge Ferreira CH. Author response to Ariie. *Journal of Physiotherapy*, 65(2):117, 2019
311. **Bagg MK, McAuley JH, Moseley GL**, Wand BM. Recent data from radiofrequency denervation trials further emphasise that treating nociception is not the same as treating pain. *British Journal of Sports Medicine*, 53(13):841-842, 2019
312. **Bilston LE, Bolsterlee B**, Nordez A, Sinha S. Contemporary image-based methods for measuring passive mechanical properties of skeletal muscles in vivo. [Invited Review] *Journal of Applied Physiology*, 126(5):1454-1464, 2019
313. **Bilston LE**, Morrison B 3rd. Forward/editorial to accompany CNS injury special issue. *Clinical Biomechanics*, 64:1, 2019
314. **Diong J**. Confidence intervals that cross zero must be interpreted correctly. *Scandinavian Journal of Medicine & Science in Sports*, 29(3):476-477, 2019
315. Duma SR, Fois AF, Morales-Briceño H, Fong MWK, **Colebatch JG**, Colley A, McMaster J, Mahant N. Deep brain stimulation as management of generalized dystonia in the 18p deletion syndrome. *Movement Disorders Clinical Practice*, 6(3):263-264, 2019
316. **Gandevia S, Héroux M**. Statistics and spin: it's time to improve. *Journal of Physiology*, 597(16): 4411-4412, 2019
317. **Gandevia SC**, Muceli S, **Héroux M**. Signing up to motor signatures: a unique link to action. *Journal of Applied Physiology*, 127(4):1163-1164, 2019
318. **Herbert R**. Research Note: Significance testing and hypothesis testing: meaningless, misleading and mostly unnecessary. *Journal of Physiotherapy*, 65(3):178-181, 2019
319. **Herbert RD, Gandevia SC**. The passive mechanical properties of muscle. [Editorial] *Journal of Applied Physiology*, 126(5):1442-1444, 2019
320. **Héroux ME**. Reporting matters: Brain mapping with transcranial magnetic stimulation. *Human Brain Mapping*, 40(1):352-353, 2019
321. **Héroux ME, Gandevia SC**. Poor statistical reporting and spin in neuromuscular fatigue research. *European Journal of Applied Physiology*, 119(9):2119-2120, 2019
322. Jamali F, Ghaedi H, Tafakhori A, Alehabib E, Chapi M, Daftarian N, Darvish H, **Jamshidi J**. Homozygous mutation in TWNK cases Ataxia, Sensorineural Hearing Loss and Optic Nerve Atrophy. *Archives of Iranian Medicine*, 22(12):728-730, 2019
323. Kaizik MA, Hancock MJ, **Herbert RD**. DiTA: a database of diagnostic test accuracy studies for physiotherapists. [Editorial] *Journal of Physiotherapy*, 65(3):119-120, 2019
324. **Kiely KM, Brady B**, Byles J. Gender, mental health and ageing. *Maturitas*, 129:76-84, 2019
325. Kirk EP, Barlow-Stewart K, Josephi-Taylor S, **Roscioli T**. Response to Suthers and Mina. [Correspondence] *Genetics in Medicine*, 21(5):1258, 2019
326. **Lee H, Herbert RD, McAuley JH**. Mediation Analysis. *JAMA*, 321(7):697-698, 2019
327. **Lord S**. Exercise prevents fall-related injuries in older people. [Review] *Nature Reviews Endocrinology*, 15(4):193-194, 2019
328. Massé-Alarie H, Bergin M, Schneider C, **Schabrun S**, Hodges P. Reply to the comment on: Reporting matters: Brain mapping with transcranial magnetic stimulation. *Human Brain Mapping*, 40(1):354-355, 2019
329. **Murphy CE, Walker AK, Shannon Weickert C**. Where there's smoke, there's fire – But who is lighting the match? Bolstering transcriptional evidence for the role of nuclear factor-κB in neuroimmune activation in schizophrenia. [Commentary] *Biological Psychiatry*, 85(1): 5-7, 2019
330. Nicholas MK, Costa DSJ, Linton SJ, Main CJ, Shaw WS, Pearce G, Gleeson M, Pinto RZ, Blyth FM, **McAuley JH**, Smeets RJE, McGarity A. Correction to: Implementation

- of early intervention protocol in Australia for 'high risk' injured workers is associated with fewer lost work days over 2 years than usual (stepped) care. [Erratum] *Journal of Occupational Rehabilitation*, 29(4): 671, 2019
331. **Nuzzo JL.** Reply to Williams et al.: Comment on: "Equity in Physical Activity: A Misguided Goal". *Sports Medicine*, 49(4):641-643, 2019
 332. O'Keeffe M, Maher CG, **Stanton TR**, O'Connell NE, Deshpande S, Gross DP, O'Sullivan K. Mass media campaigns are needed to counter misconceptions about back pain and promote higher value care. [Editorial] *British Journal of Sports Medicine*, 53(20):1261-1262, 2019
 333. **Quidé Y.** Identifying the long-term brain changes associated with childhood trauma exposure using data-driven machine learning techniques. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 4(8):686-687, 2019
 334. **Radford K, Lavrencic LM.** Hearing loss and dementia in Aboriginal Australians. [Invited article] *Audiology Now*, 76, 14-16, 2019
 335. Rosengren SM, **Colebatch JG**, Young AS, **Govender S**, Welgampola MS. Vestibular evoked myogenic potentials in practice: Methods, pitfalls and clinical applications. [Review] *Clinical Neurophysiology Practice*, 4:47-68, 2019
 336. Rossen L, Tzoumakis S, Kariuki M, Laurens KR, Butler M, Chilvers M, Harris F, **Carr VJ, Green MJ.** Timing of the first report and highest level of child protection response in association with early development vulnerabilities in an Australian population cohort. *Child Abuse & Neglect*, 93:1-12, 2019
 337. Schick S, Piantini S, Wisch M, **Brown J.** Comparing consequences of using two different definitions for body regions for the improvement of personal protective equipment for powered two-wheelers. *Traffic Injury Prevention*, 20(Sup2):S182-S185, 2019
 338. **Shepherd CE, McGeachie AB, Affleck AJ, Halliday GM.** Condensing the A β protocol to reduce the effort and cost of NIA-AA guidelines for neuropathologic assessment of Alzheimer's disease. *Journal of Neuropathology and Experimental Neurology*, 78(10):975-977, 2019
 339. Skinner IW, **Cashin AG, Bagg MK.** Clarification of reporting of outcome measures and protocol deviations in report of a randomized clinical trial. *JAMA Neurology*, 76(3):371-372, 2019
 340. Travers MJ, **Bagg MK**, Gibson W, O'Sullivan K, Palsson TS. Better than what? Comparisons in low back pain clinical trials. [Editorial] *British Journal of Sports Medicine*, 53(14):847-848, 2019
 341. van Erp TGM, Walton E, Hibar DP, Schmaal L, Jiang W, Glahn DC, Pearlson GD, Yao N, Fukunaga M, Hashimoto R, Okada N, Yamamori H, Clark VP, Mueller BA, de Zwarte SMC, Ophoff RA, van Haren NEM, Andreassen OA, Gurholt TP, Gruber O, Kraemer B, Richter A, Calhoun VD, Crespo-Facorro B, Roiz-Santiañez R, Tordesillas-Gutiérrez D, Loughland C, Catts S, **Fullerton JM, Green MJ**, Henskens F, Jablensky A, Mowry BJ, Pantelis C, **Quidé Y**, Schall U, Scott RJ, Cairns MJ, Seal M, Tooney PA, Rasser PE, Cooper G, **Shannon Weickert C, Weickert TW**, Hong E, Kochunov P, Gur RE, Gur RC, Ford JM, Macciardi F, Mathalon DH, Potkin SG, Preda A, Fan F, Ehrlich S, King MD, De Haan L, Veltman DJ, Assogna F, Banaj N, de Rossi P, Iorio M, Piras F, Spalletta G, Pomarol-Clotet E, Kelly S, Ciufolini S, Radua J, Murray R, Marques TR, Simmons A, Borgwardt S, Schönborn-Harrisberger F, Riecher-Rössler A, Smieskova R, Alpert KI, Bertolino A, Bonvino A, Di Giorgio A, Neilson E, Mayer AR, Yun JY, Cannon DM, Lebedeva I, Tomyshov AS, Akhadow T, Kaleda V, Fatouros-Bergman H, Flyckt L; Karolinska Schizophrenia Project, Rosa PGP, Serpa MH, Zanetti MV, Hoschl C, Skoch A, Spaniel F, Tomecek D, McIntosh AM, Whalley HC, Knöchel C, Oertel-Knöchel V, Howells FM, Stein DJ, Temmingh HS, Uhlmann A, Lopez-Jaramillo C, Dima D, Faskowitz JI, Gutman BA, Jahanshad N, Thompson PM, Turner JA. Reply to: New Meta- and Mega-analyses of magnetic resonance imaging findings in Schizophrenia: do they really increase our knowledge about the nature of the disease process? *Biological Psychiatry*, 85(7):e35-e39, 2019
 342. **Van Schooten KS, Yang Y**, Grajkus L, Robinovitch SN. Similarity of repeated falls in older long-term care residents: do the circumstances of past falls predict those of future falls? *Journal of the American Medical Directors Association*, 20(3):386-387, 2019

RECOGNITION

Name	Award	Awarding body
Jane Butler	Elizabeth Blackburn Fellowship - Clinical Award	NHMRC
Danny Eckert	2019 Pierre Robin Award	American Academy of Dental Sleep Medicine
Peter Schofield	Officer (AO) of the Order of Australia	Australian Government
Kylie Radford	Best oral presentation at the Australian Dementia Forum, in Hobart	NHMRC National Institute for Dementia Research (NNIDR)
NeuRA	Most Inclusive Employer	Randwick City Council
George Paxinos AO FASSA FAA DistFRSN	Distinguished Fellowship	Royal Society of NSW
George Paxinos	Elected as a Fellow of the Australian Academy of Health and Medical Sciences	Australian Academy of Health and Medical Sciences (AAHMS)
Siobhan Schabrun	Ulf Lindblom Young Investigator Award for Clinical Science	International Association for the Study of Pain
Sophie Carter	Deans Award for Outstanding PhD Thesis (Faculty of Medicine)	UNSW Sydney
George Paxinos, Teri Furlong & Charles Watson	Finalist - 2020 PROSE award in Biomedicine & Neuroscience	American Association of Publishers
Louise Lavrencic	Alzheimer's Association International Conference (AAIC) Travel Fellowship (2019)	Alzheimer's Association
Amal Osman	Anne E Surratt Young Investigator Award	International Sleep and Breathing Conference
Amal Osman	New Investigator Finalist	Australasian Sleep Association
Atqiya Aishah	Best sleep talk	Thoracic Society of Australia and New Zealand (TSANZ)

Ingvars Birznies, et al	SOMS Paper of the month	School of Medical Sciences, UNSW Sydney
Jun Cao	Best Student Posters Award at the 12th Australian and New Zealand Society for Magnetic Resonance Conference, in Bunker Bay, WA	Australian and New Zealand Society for Magnetic Resonance (ANZMAG)
Jun Cao	Student Travel Award at the 12th Australian and New Zealand Society for Magnetic Resonance Conference, in Bunker Bay, WA	Australian and New Zealand Society for Magnetic Resonance (ANZMAG)
Janet Maccora	People's Choice Best Poster Award	Centre of Excellence in Population Ageing Research (CEPAR)
Janet Maccora	Best presentation by AAG member	Australian Association of Gerontology (AAG)
Dr Christina Norris	Tow Prize	Coast Association TOW Research Committee
Prof Jacqui Close	Research Medal	Prince of Wales Hospital Foundation
Adam Martinac	2019 POWCS Postgraduate Research Day Poster Prize	Prince of Wales Clinical School
Tom Whyte	2019 IRCOBI Travel Grant	International Research Council On the Biomechanics of Injury (IRCOBI)
Tom Whyte	Best presentation in session at 2019 IRCOBI Conference	International Research Council On the Biomechanics of Injury (IRCOBI)
Peter Burke	Best Poster Presentation Prize	Australasian Sleep Association
Hayley North	McConaghy Prize for best student presentation in 2019	School of Psychiatry, UNSW
Christin Weissleder	Biological Psychiatry Australia Award 2019 for highest ranked abstract at BPA 2019	Biological Psychiatry Australia (BPA)
Caitlin Murphy	Best poster presentation for Biological Psychiatry Australia at BPA 2019	Biological Psychiatry Australia (BPA)
Christin Weissleder	2019 Research in Schizophrenia Endeavour Award at the NSW Schizophrenia Research Summit and Workshop	NeuRA

TRANSLATION STORIES

Dr Adam Walker discovers potential treatment for 'chemobrain'

Article that appeared in The NeuRA Magazine | Issue 28 | Autumn 2019

In a discovery that could one day help breast cancer patients, Dr Adam Walker has found a potential treatment for 'chemobrain', a condition that affects up to 60 per cent of women after receiving chemotherapy for breast cancer.

The study, published in PLOS-ONE and funded by the National Breast Cancer Foundation (NBCF), has the potential to transform cancer treatment research and eradicate the negative side-effects of cancer and chemotherapy.

Dr Walker says that up until now, scientists believed chemotherapy was the only cause of cancer-associated cognitive impairment such as memory, learning and concentration difficulties, commonly dubbed 'chemobrain'. "However, studies have observed cognitive impairment in cancer patients prior to treatment," says Dr Walker.

"This suggests the cancer alone may be sufficient to induce cognitive impairment, but the mechanisms through which this occurs are unknown."

In his study using animal models, Dr Walker targeted **tumour-to-brain communication** and found breast cancer cells released markers that cause inflammation in the brain.

He found a low dose of anti-inflammatories completely blocked breast cancer cells from causing memory loss without affecting other aspects of the disease.

"This suggests the tumour itself can actually hijack the brain via inflammation to cause cognitive impairment, but we can use anti-inflammatories to block this process.

"Interventions to treat cancer-induced cognitive impairment have so far focused on behavioural therapies such as brain training, which don't tap into the biological processes of tumour-to-brain communication," says Dr Walker.

"This is the first study to show that we can potentially disrupt that communication using anti-inflammatory agents such as aspirin to reduce the inflammation that causes cognitive impairment."

CEO of NeuRA Professor Peter Schofield said this innovative new research has the potential to transform how cancer patients view and manage their treatment.

"This work represents a new frontier for neuroscience in cancer research," says Professor Schofield.

"Our ultimate goal is to eradicate the negative side effects of cancer treatment, so that quality versus quantity of life decisions no longer need to be made.

"Chemobrain has long been an issue for breast cancer patients who have been treated with chemotherapy," says Dr Chris Pettigrew, NBCF Director of Research Investment.

"This new development is a big win for research and for the 68,824 Australians living with breast cancer."

The next phase of Dr Walker's work is to look at how anti-inflammatories might block other aspects of chemobrain like learning and concentration difficulties, and will be followed by clinical trials.

"We think anti-inflammatory drugs could be a potentially cheap and safe intervention to prevent and treat chemobrain, but we need to learn more about who should take them and when during the cancer journey," says Dr Walker.