

2016 publications arising from use of NSWBB tissue

Journal articles

1. Catts VS *et al* (2015) Postsynaptic density levels of the NMDA receptor NR1 subunit and PSD-95 protein in prefrontal cortex from people with schizophrenia. NPJ Schizophr. **28**;1:15037.
2. Chami B *et al* (2016) The rise and fall of insulin signaling in Alzheimer's disease. Metab Brain Dis. **31**(3):497-515.
3. Coupland KG *et al* (2015) Effect of PSEN1 mutations on MAPT methylation in early-onset Alzheimer's disease. Curr Alzheimer Res. **12**(8):745-51.
4. Davies KM *et al* (2016) Copper dyshomeostasis in Parkinson's disease: implications for pathogenesis and indications for novel therapeutics. Clin Sci (Lond). **130**(8):565-74.
5. Farrowell NE *et al* (2015) Distinct partitioning of ALS associated TDP-43, FUS and SOD1 mutants into cellular inclusions. Sci Rep. **5**:13416.
6. Farris SP *et al* (2015) Applying the new genomics to alcohol dependence. Alcohol **49**(8):825-836.
7. Hancock SE *et al* (2015) Decreases in Phospholipids Containing Adrenic and Arachidonic Acids Occur in the Human Hippocampus over the Adult Lifespan. Lipids. **50**(9):861-72.
8. Hirth N *et al* (2016) Convergent evidence from alcohol-dependent humans and rats for a hyperdopaminergic state in protracted abstinence. Proc Natl Acad Sci U S A. **113**(11):3024-9.
9. Huang Y *et al* (2015) SNCA Gene, but Not MAPT, Influences Onset Age of Parkinson's Disease in Chinese and Australians. Biomed Res Int. 2015:135674.
10. Leshchyn'ska I *et al* (2015) A β -dependent reduction of NCAM2-mediated synaptic adhesion contributes to synapse loss in Alzheimer's disease. Nat Commun. **6**:8836.
11. Leyton CE *et al* (2016) Distinctive pathological mechanisms involved in primary progressive aphasia. Neurobiol Aging. **38**:82-92.
12. Lourenco GF *et al* (2015) Long noncoding RNAs in TDP-43 and FUS/TLS-related frontotemporal lobar degeneration (FTLD). Neurobiol Dis. **82**:445-54.
13. Norris SE *et al* (2015) Human prefrontal cortex phospholipids containing docosahexaenoic acid increase during normal adult aging, whereas those containing arachidonic acid decrease. Neurobiol Aging. **36**(4):1659-69.
14. Rubio-Araiz A *et al* (2016) Disruption of blood-brain barrier integrity in postmortem alcoholic brain: preclinical evidence of TLR4 involvement from a binge-like drinking model. Addict Biol. Mar 7. [Epub ahead of print].
15. Sutherland GT *et al* (2016) The NSW brain tissue resource centre: Banking for alcohol and major neuropsychiatric disorders research. Alcohol. **52**:33-9.
16. Wang G *et al* (2016) Variants in the SNCA gene associate with motor progression while variants in the MAPT gene associate with the severity of Parkinson's disease. Parkinsonism Relat Disord. **24**:89-94.
17. Wang F *et al* (2016) DNA co-methylation modules in postmortem prefrontal cortex tissues of European Australians with alcohol use disorders. Sci Rep. **6**:19430.
18. Zhou J *et al* (2011) Changes in the solubility and phosphorylation of α -synuclein over the course of Parkinson's disease. Acta Neuropathol. **121**(6):695-704.

Oral presentations

1. Catts V *et al* (2015) Evidence for an endogenous deficit in NMDA receptor expression and reduced postsynaptic density NR1 subunit levels in prefrontal cortex of individuals with schizophrenia. Biol Psychiatry Australia, Sydney.
2. Catts V *et al* (2016) NMDA receptor dysfunction in schizophrenia. Winter Conference on Brain Research, Breckenridge USA.
3. Don A (2015) Defective myelin lipid biosynthesis in pre-clinical Alzheimer's Disease identified through LCxMS/MS analysis. Virtual Symposium on Applied Separation Sciences, online.
4. Dzamko N (2015) Leucine-rich repeat kinase 2 and toll-like receptor inflammatory signalling. 2015 International Neurochemistry Society Meeting, Cairns.
5. Dzamko N *et al* (2016) A comprehensive analysis of LRRK2 expression in human PD brain. Leucine Rich Repeat Kinase 2: Ten Years Along the Road to Therapeutic Intervention, Greenlands UK.
6. Edenberg H (2015) Genomics of Alcoholism: GWAS and beyond. World Congress on Psychiatric Genetics Toronto, Canada.
7. Halliday G *et al* (2016) Dysfunctional lysosomes occur prior to any degenerative changes in the brains of patients with Parkinson's disease. 2016 Annual Conference of the Japanese Neuroscience Society, Yokohama Japan.
8. Hirth N *et al* (2015) Opioidergic mechanism in alcoholism: Translational studies in rodents and humans. ESBRA meeting, Valencia Spain.
9. Huang Y *et al* (2011) Cytokines associated with Parkinson's disease. XIX World Congress on Parkinson's Disease and Related Disorders, Shanghai China.
10. King JE *et al* (2015) Enhancing NGS performance through improvements in template preparation procedure. 2nd Annual Next Generation Sequencing USA Congress, Boston USA.
11. Ling H *et al* (2015) Neuropathological diagnostic accuracy of corticobasal degeneration: A review of 140 cases. 2015 Annual meeting of the British Neuropathology Society, London.
12. Manzanares J (2015) Role of cannabinoid CB2 receptor in the reinforcing actions of ethanol. The European Society for Biomedical Research on Alcoholism 15th ESBRA, Valencia Spain.
13. Manzanares J (2016) Role of cannabinoid CB2 receptor in the reinforcing actions of ethanol. Socidrogalcohol, Alicante Spain.
14. Mayfield RD (2015) Current approaches to genetic/genomic studies on alcoholism. World Congress of Psychiatric Genetics, Toronto Canada.
15. Purves-Tyson T (2015) Interactions between sex steroid pathways and dopamine-related molecules in rodent midbrain and in the human substantia nigra in schizophrenia. Invited Symposium speaker Symposium: Sex Hormones and their wide-ranging effects on psychopathology. Biological Psychiatry Australia, Sydney.
16. Purves-Tyson T (2015) Sex steroid pathways and dopamine-related molecules in the human substantia nigra in schizophrenia, Invited Symposium speaker. Australia Schizophrenia Conference, Melbourne.
17. Purves-Tyson T *et al* (2016) A molecular signature of dopamine dysregulation exists in the substantia nigra in schizophrenia IN Symposium: Exciting New Findings about Dopamine.

Schizophrenia International Research Society, Florence Italy.

21. Sarkisyan D *et al* (2015) Epigenome in the brain of human alcoholics: genetically-regulated trajectories. ESBRA meeting, Valencia Spain.
22. Sutherland GT *et al* (2015) The impact of agonal factors on gene expression in the brains of chronic alcoholics. Research Society on Alcoholism, San Antonio USA.
23. Sytnyk V (2015) The role of the neural cell adhesion molecules in formation and maintenance of excitatory synapses. 4th CADD symposium, UNSW Sydney.
24. Weissleder C *et al* (2015) Age-related changes in TrkB-TK mRNA expression in the human subependymal zone. Brain Sciences UNSW, Sydney Australia.
25. Wellings T *et al* (2015) Deiters' neurons - the Elephant in the vestibular system. Neuro-Otology Society of Australia ASM, Melbourne.
26. Zhang H *et al* (2016) MicroRNA Transcriptome Changes in Multiple Brain Regions of Subjects with Alcohol Use Disorders. The 13th International Congress of Human Genetics, Kyoto Japan.

Poster presentations

1. Coleman L *et al* (2016) Alcohol activates TLR7 signaling and releases HMGB1-let 7b complexes in microvesicles. Gordon Research Conference, Galveston TX.
2. Couttas T *et al* (2015) Loss of ceramide synthase 2, an essential enzyme for myelin lipid biosynthesis, drives myelin degeneration in Alzheimer's Disease. International Society for Neurochemistry, Cairns.
3. Davies D *et al* (2015) Cofilin-actin aggregates and microglial cell morphology changes in Alzheimer's Disease. Sydney Glia Meeting, Manly.
4. Farg MA *et al* (2015) DNA damage and repair regulates nuclear translation factors in C9ORF72 patients and in neuronal cell line. Combio, Melbourne.
5. Fatima M *et al* (2014) Spreading of pathology in motor neuron disease. Inter-university Neuroscience & Mental Health Conference, Sydney.
6. Fatima M *et al* (2016) Imaging-pathology correlates in the corticospinal tract in motor neuron disease. Australian Society for Medical Research Annual Meeting, Sydney.
7. Friedrich MG *et al* (2015) Racemisation of Myelin Basic Protein Is a Common Modification in Adults with Specific Sites in Multiple Sclerosis Patients. Australian Neurodegeneration and Dementia Conference, Melbourne.
8. Genoud S *et al* (2016) Metallation alterations of superoxide dismutase 1 and metallothionein-II in the Parkinson's disease brain. Australian Biology of Aging, Coogee Australia.
9. Huang Y *et al* (2015) Reduction of ROCK1 in human brain with Alzheimer's disease. International Society of Neurochemistry meeting, Cairns.
10. Kain N *et al* (2015) Short chain ceramides, associated with insulin resistance, increase with age in the human hippocampus. International Society for Neurochemistry, Cairns.
11. King JE *et al* (2015) Enhancing NGS performance through improvements in template preparation procedure. EMBL Cancer Genomics Conference, Heidelberg.
12. King JE *et al* (2015) Enhancing NGS performance through improvements in template preparation procedure. Australian Society for Medical Research Meeting, Adelaide.
13. Lee MR *et al* (2016) Oxytocin peptide and receptor expression in human post-

- mortem brain: Effect of alcohol dependence. Intramural Clinical Neurosciences Retreat, National Institutes of Health, NIH campus, Bethesda, MD, USA.
14. Ling H *et al* (2015) Neuropathological diagnostic accuracy of corticobasal degeneration: A review of 140 cases. 2015 International Movement Disorders Society Congress, San Diego.
 15. Lourenco GF *et al* (2015) Disruption of nuclear structure in TDP-43-related frontotemporal lobar degeneration (FTLD) with and without c9orf72 repeat expansion. Asia Pacific FTD and MND Meeting, Sydney.
 16. Lourenco GF *et al* (2015) Disruption of nuclear structure in TDP-43-related frontotemporal lobar degeneration (FTLD) with and without c9orf72 repeat expansion. 2015 Asia Pacific FTD & MND Meeting, Sydney.
 17. Lum JS *et al* (2015) Current and Potential Antipsychotic Targets: Exploring the Possible Interactions of D2R and mGluR5 in Schizophrenia. Biological Psychiatry Australia, Sydney.
 18. McCorkindale A *et al* (2015) The effects of chronic smoking on Alcohol-related Brain Damage. APSAAR, Sydney.
 19. Martinez Olivares C *et al* (2011) Genetic influence of MAPT on the pathology of Parkinson's disease. Australian Neuroscience Society, 31st Annual Meeting, Auckland.
 20. Mathews K *et al* (2016) Changes to mRNA expression of hippocampal neurogenesis markers over the healthy human life span. Australian Biology of Ageing Conference, Coogee Australia.
 21. Michael J *et al* (2015) Characterisation of glial and neuronal pathology in non-Alzheimer's Disease tauopathies. Inter-university Neuroscience & Mental Health Conference, Sydney.
 22. Sait Hasirci A *et al* (2015) Alcoholism alters GABAergic neuroactive steroid 3 α ,5 α -THP levels in human amygdala. Research Society on Alcoholism, USA.
 23. Trist BG *et al* (2016) A novel vulnerability specific pathology in the Parkinson's brain provides support for coinciding neuropathological paradigms. Australian Biology of Aging, Coogee Australia.
 24. Trist BG *et al* (2016) A pathological link between Parkinson's disease and Amyotrophic Lateral Sclerosis? 20th International Congress of Parkinson's Disease and Movement Disorders, Berlin Germany.
 25. Truscott RJ *et al* (2016) In Human, Old Protein Are Everywhere. Australian Biology of Ageing Conference, Coogee Sydney.
 26. Wang G *et al* (2013) Relationships between non-motor symptoms in Parkinson's disease, and their genetic and pathologic basis. 17th International Congress of Parkinson's disease and Movement Disorders, Sydney Australia.
 27. Weissleder C *et al* (2015) Neurogenesis Decline in the Subependymal Zone during Aging: Role of EGF-related Transcripts. Biol Psychiatry Australia, Sydney.
 28. Youssef P *et al* (2015) Increased HO-1 activity with no evidence of oxidative stress in the early pathogenesis of Alzheimer's disease. Societies for Free Radical Research Australasia and Japan (SFRAJ), Christchurch New Zealand.
 29. Wen Liu *et al* (2016) Death receptor 3 signaling in rat and alcohol human brain. NADIA Consortium Conference, Bethesda MD.
 30. Zhang KY *et al* (2015) Functional Pipeline For Determining Pathogenicity Of Candidate Gene Mutations Causing Motor Neuron Disease. MNDRIA Annual Scientific Meeting, Sydney.

31. Zhang KY *et al* (2015) Functional Pipeline For Determining Pathogenicity Of Candidate Gene Mutations Causing Motor Neuron Disease. The Asia Pacific FTD/MND Meeting, Sydney.
32. Zhang Y *et al* (2015) Relationship between oxidative stress, grey matter volume, and inflammatory cytokines in schizophrenia. Biological Psychiatry Australia, Sydney.