# 2017 publications arising from use of NSWBB tissue

## Journal articles


1. Adkins AE *et al* (2017). Genomewide Association Study of Alcohol Dependence Identifies Risk Loci Altering Ethanol-Response Behaviors in Model Organisms. Alcohol Clin Exp Res. **41**(5):911-928.
2. Coleman LG Jr *et al* (2017). Microglial-derived miRNA let-7 and HMGB1 contribute to ethanol-induced neurotoxicity via TLR7. J Neuroinflammation. **14**(1):22.
3. Coupland KG *et al* (2016). Role of the Long Non-Coding RNA MAPT-AS1 in Regulation of Microtubule Associated Protein Tau (MAPT) Expression in Parkinson's Disease. PLoS One. **23**;11(6):e0157924.
4. Crews FT *et al* (2016). Adolescent Alcohol Exposure Persistently Impacts Adult Neurobiology and Behavior. Pharmacol Rev. **68**(4):1074-1109.
5. Davies DS *et al* (2017). Microglia show altered morphology and reduced arborizationin human brain during aging and Alzheimer's disease. Brain Pathol. **27**(6):795-808.
6. Dennis CV *et al* (2016). Human adult neurogenesis across the ages: An immunohistochemical study. Neuropathol Appl Neurobiol. **42**(7):621-638.
7. Dennis CV *et al* (2016). Response to: Human adult neurogenesis across the ages: An immunohistochemical study. Neuropathol Appl Neurobiol. **43**(5):452-454.
8. Dzamko N *et al* (2017). Toll-like receptor 2 is increased in neurons in Parkinson's disease brain and may contribute to alpha-synuclein pathology. Acta Neuropathol. **133**(2):303-319.
9. Dzamko N *et al* (2017). LRRK2 levels and phosphorylation in Parkinson's disease brain and cases with restricted Lewy bodies. Mov Disord. **32**(3):423-432.
10. Hancock SE *et al* (2017). The phospholipid composition of the human entorhinal cortex remains relatively stable over 80 years of adult aging. Geroscience. **39**(1):73-82.
11. Hasirci AS *et al* (2017). Cellular GABAergic Neuroactive Steroid (3α,5α)-3-Hydroxy-Pregnan-20-One (3α,5α-THP) Immunostaining Levels Are Increased in the Ventral Tegmental Area of Human Alcohol Use Disorder Patients: A Postmortem Study. Alcohol Clin Exp Res. **41**(2):299-311.
12. Hermann D *et al* (2017). Low μ-Opioid Receptor Status in Alcohol Dependence Identified by Combined Positron Emission Tomography and Post-Mortem Brain Analysis. Neuropsychopharmacology. **42**(3):606-614
13. Ittner A *et al* (2016). Site-specific phosphorylation of tau inhibits amyloid-β toxicity in Alzheimer's mice. Science. **18**;354(6314):904-908.
14. Jayasena T *et al* (2016). Application of Targeted Mass Spectrometry for the Quantification of Sirtuins in the Central Nervous System. Sci Rep. **20**;6:35391.
15. Karababa A *et al* (2017). Ammonia Attenuates LPS-Induced Upregulation of Pro-Inflammatory Cytokine mRNA in Co-Cultured Astrocytes and Microglia. Neurochem Res. **42**(3):737-749.
16. Landeck N *et al* (2016). A novel multiplex assay for simultaneous quantification of total and S129 phosphorylated human alpha-synuclein. Mol Neurodegener. **11**(1):61.
17. McCorkindale AN *et al* (2016). The effects of chronic smoking on the pathology of alcohol-related brain damage. Alcohol. **53**:35-44.
18. Papp-Peka A *et al* (2017). The Differential Effects of Alcohol and Nicotine-Specific Nitrosamine Ketone on White Matter Ultrastructure. Alcohol Alcohol. **52**(2):165-171.
19. Matrone C *et al* (2016). Mannose 6-Phosphate Receptor Is Reduced in -Synuclein Overexpressing Models of Parkinsons Disease. PLoS One. **10**;11(8).
20. Ponomarev I *et al* (2017). Mechanistic insights into epigenetic modulation of ethanol consumption. Alcohol. **60**:95-101.
21. Purves-Tyson TD *et al* (2017). Putative presynaptic dopamine dysregulation in schizophrenia is supported by molecular evidence from post-mortem human midbrain. Transl Psychiatry. **17**;7(1):e1003.
22. Sarkisyan D *et al* (2017). Damaged reward areas in human alcoholics: neuronal proportion decline and astrocyte activation. Acta Neuropathol. **133**(3):485-487.
23. Sery O *et al* (2015). GLAST But Not Least--Distribution, Function, Genetics and Epigenetics of L-Glutamate Transport in Brain--Focus on GLAST/EAAT1. Neurochem Res. **40**(12):2461-72.
24. Sutherland GT *et al* (2017). Epidemiological Approaches to Understanding the Link Between Type 2 Diabetes and Dementia. J Alzheimers Dis. **59(**2):393-403.
25. Tong JH *et al* (2016). Separating the wheat from the chaff: systematic identification of functionally relevant noncoding variants in ADHD. Mol Psychiatry. **21**(11):1589-1598.

26. Warden A *et al* (2016). The neuroimmune transcriptome and alcohol dependence: potential for targeted therapies. Pharmacogenomics. **17**(18):2081-2096.
27. Warden A *et al* (2016). Localization of PPAR isotypes in the adult mouse and human brain. Sci Rep. **10**;6:27618.
28. Weissleder C *et al* (2016). Decline in Proliferation and Immature Neuron Markers in the Human Subependymal Zone during Aging: Relationship to EGF- and FGF-Related Transcripts. Front Aging Neurosci. **25**;8:274.
29. Xu CJ *et al* (2016). The Emerging Therapeutic Role of NGF in Alzheimer's Disease. Neurochem Res. **41**(6):1211-8.
30. Yang Y *et al* (2017). Increased aneuploidy is not a universal feature across α-synucleinopathies. Mov Disord. **32**(3):475-476.
31. Zhang Y *et al* (2016). Cortical grey matter volume reduction in people with schizophrenia is associated with neuro-inflammation. Transl Psychiatry. **13**;6(12):e982.

## Oral presentations

1. Bakalkin *et al* (2016). The dynorphin / kappa-opioid receptor system: molecular and epigenetic adaptations in emotional circuitry of alcoholics. ECNP, Vienna.
2. Catts V *et al* (2016). Relationship between inflammatory cytokines, oxidative stress and astrogliosis markers and prefrontal grey matter volume in schizophrenia subgroups. CINP, Seoul, South Korea.
3. Cooper A (2016). Investigating the contributions of alternative splicing and long non-coding RNA in Parkinson's Disease. Linking genomics and neurobiology to understand the brain and its diseases, Garvan Institute, Sydney, Australia.
4. Dennis C *et al* (2016). Human adult neurogenesis across the ages: An immunohistochemical study. Australasian Society of Neuroscience, Hobart, Australia.
5. Farg M *et al* (2016). The DNA Damage Response (DDR) Is Induced By The C9orf72 Repeat Expansion In ALS. The 27th International Symposium on ALS/MND, Dublin, Ireland.
6. Farris SP *et al* (2016). Chronic alcohol abuse effects on the transcriptome of multiple human brain regions. Research Society on Alcoholism, New Orleans, USA.
7. Görg B *et al* (2017). Ammonia and senescence. Conference of the International Society for Hepatic Encephalopathy and Nitrogen Metabolism (ISHEN), New Delhi, India.
8. Hansson A (2016). Convergent studies on neurotransmitter adaptations in alcohol dependent rats and human alcoholics. ISBRA, Berlin, Germany.
9. Häussinger D (2016). Pathomechanisms of Hepatic Encephalopathy. Workshop at the 32nd meeting of the German Association of the Study of the Liver (GASL), Düsseldorf, Germany.
10. Häussinger D (2017). Pathomechanisms of Hepatic Encephalopathy. Conference of the International Society for Hepatic Encephalopathy and Nitrogen Metabolism (ISHEN), New Delhi, India.
11. Karababa A *et al* (2017). Ammonia affects iron homeostasis in cultured rat astrocytes and in human cerebral cortex in hepatic encephalopathy. Conference of the International Society for Hepatic Encephalopathy and Nitrogen Metabolism (ISHEN), New Delhi, India.
12. Lim J *et al* (2016). Perturbations in Insulin/IGF1 Signalling in Alzheimer's disease (AD) and its contribution to AD Pathogenesis. Australasian Neuroscience Society Annual Meeting, Hobart, Australia.
13. Ling H *et al* (2016). Hierarchical pathological progression of corticobasal degeneration. British Neuropathological Society.
14. McMillin M *et al* (2017). Aberrant bile signaling alters brain cholesterol homeostasis during hepatic encephalopathy due to acute liver failure. International Society for Hepatic Encephalopathy and Nitrogen Metabolism. New Delhi, India.
15. Newell KA *et al* (2016). The emerging role of metabotropic glutamate receptor 5 in the pathophysiology and treatment of psychiatric disorders. Asian Pacific Society for Neurochemistry, Kuala Lumpur, Malaysia.
16. Purves-Tyson T *et al* (2016). Inflammatory cytokines are elevated in the substantia nigra of a subset of people with schizophrenia. Biological Psychiatry Australia, Newcastle, Australia.
17. Sarkisyan *et al* (2016). Epigenomic variation derived from post-mortem brain tissue. ESBRA/ISBRA, Berlin, Germany.
18. Sarkisyan D *et al* (2016). DNA methylation signature of alcoholism: analysis of human brain. ESBRA / ISBRA, Berlin, Germany.
19. Sommer WH (2016). Lost in translation: Medication Development for Alcohol. Annual Meeting of the Chinese Society of Neuropsychopharmacology, Hefei, China.
20. Sommer WH (2016). Lost in Translation. ISBRA, Berlin, Germany
21. Wellings T *et al* (2016). A novel neuropathology involving Deiters' neurons of the lateral vestibular nucleus in Parkinson's disease with postural instability. Neuro-otology Society of

Australia, Newcastle, Australia.

22. Youssef P *et al* (2016). Increased levels of nrf-2/ ho-1 in the early pathogenesis of Alzheimer's disease. 23rd Joint meeting of the Society for Redox Biology and Medicine and Society for Free Radical Research International. San Francisco, CA, USA.

## Poster presentations

1. Affleck A *et al* (2017). Increases in clusterin protein levels occur in the earliest stages of Alzheimer's disease and are associated with pathological changes in tau and Aβ. Brain Sciences UNSW, Sydney, Australia.
2. Bazov I *et al* (2016). Genetically Controlled Epigenetic Mechanisms of Neuropeptide Transcription in Alcoholic Human Brain. ESBRA / ISBRA, Berlin, Germany.
3. Coleman L Jr *et al* (2017). Alcohol activates TLR7 signaling and releases HMGB1-let 7b complexes in microvesicles. NADIA Consortium Conference, Bethesda, MD, USA.
4. Farg M *et al* (2015). The DNA Damage Response (DDR) Is Induced By The C9orf72 Repeat Expansion In ALS. Combio, Melbourne, Australia.
5. Gao J *et al* (2016). Activation of toll-like receptor 2 increases alpha-synuclein levels in neuronal cells. Australasian Neuroscience Society Annual Meeting, Hobart, Australia.
6. Gatta E *et al* (2017). Epigenetic downregulation of GABAA receptor delta subunit in the cerebellum of alcoholic patients. Research Society on Alcoholism, Denver, CO, USA.
7. Genoud S *et al* (2016). Metallation alterations of superoxide dismutase 1 and metallothionein-ii in the parkinson's disease brain. Australasian Neuroscience Society Annual Meeting, Hobart, Australia.
8. Kashem MA (2014). Differential Neurotransmitter Expression in the Sub-regions of Striatum in Human Alcoholics: A Neurometabolomics Study. Australasian Winter Conf. on Brain Res, New Zealand.
9. Mathews K *et al* (2016). mRNA expression of neurogenesis genes is changed over the healthy human life span - a consequence of glial changes? Australasian Neuroscience Society Annual Meeting, Hobart, Australia.
10. Sultana N (2014). Does Gamma-Aminbutyrate Receptor-B (GABA-RB) Play an Antagonist Role on Alcohol Induced Disorder of Glutamate Transporter (GLAST)? Australasian Winter Conf. on Brain Res, New Zealand.
11. Tan R *et al* (2016). Prevalence of Amyloid pathology and PiB positivity in frontotemporal dementia. ICFTD, Munich, Germany.
12. Trist BG *et al* (2016). Superoxide dismutase-1; a potential mediator of neuronal degeneration under copper-deficient conditions in the parkinson's disease brain? Australasian Neuroscience Society Annual Meeting, Hobart, Australia.
13. Vetreno RP *et al* (2016). Voluntary exercise prevents adolescent binge ethanol-induced loss of hippocampal neurogenesis by creating resiliency against innate immune activation. Society for Neuroscience, San Diego, CA, USA.
14. Wang F *et al* (2016). Mapping Methylation and Expression Quantitative Trait Loci in Human Prefrontal Cortex. Annual Meeting of American Society of Human Genetics, Vancouver, Canada.
15. Weissleder C *et al* (2016). CXCR4 expression increased throughout adulthood in the human subependymal zone. Australasian Neuroscience Society Annual Meeting, Hobart, Australia.
16. Weissleder C *et al* (2016). Age-related changes in growth factor expression in the human subependymal zone: Relationship to cell proliferation and neuronal differentiation. Society for Neuroscience, San Diego USA.
17. Zhang K *et al* (2016). Mutation analysis and immunopathological studies of HNRNPA1, HNRNPA2B1 and HNRNPA3 in Australian motor neuron disease cohorts. MND Australia Research Meeting, The University of Queensland, Brisbane, Australia.