

2015 publications arising from use of NSWBB tissue

1. Abbott SK *et al* (2014) Altered ceramide acyl chain length and ceramide synthase gene expression in Parkinson's disease. Movement disorders : official journal of the Movement Disorder Society **29**(4): 518-26
2. Abbott SK *et al* (2015) Fatty acid composition of the anterior cingulate cortex indicates a high susceptibility to lipid peroxidation in Parkinson's disease. Journal of Parkinson's disease **5**(1): 175-85
3. Beveridge NJ *et al* (2014). Maturation of the human dorsolateral prefrontal cortex coincides with a dynamic shift in microRNA expression. Schizophrenia Bulletin **40**(2), 399-409.
4. Bleasel JM *et al* (2014) Lipid dysfunction and pathogenesis of multiple system atrophy. Acta neuropathologica communications **2**(15)
5. Bras J *et al* Genetic analysis implicates APOE, SNCA and suggests lysosomal dysfunction in the etiology of dementia with Lewy bodies. (2014) Human Molecular Genetics **1**;23(23):6139-46.
6. Chare L *et al* (2014) New criteria for frontotemporal dementia syndromes: clinical and pathological diagnostic implications. Journal of neurology, neurosurgery, and psychiatry **85**(8): 865-70
7. Coupland K, *et al* (2014). "DNA methylation of the MAPT gene in Parkinson's disease cohorts and modulation by vitamin E in vitro." Movement Disorders **29**(13): 1606-1614.
8. Couttas TA *et al* (2014) Loss of the neuroprotective factor Sphingosine 1-phosphate early in Alzheimer's disease pathogenesis. Acta neuropathologica communications; **29**(2): 150
9. Davies K *et al.* (2014). "Copper pathology in vulnerable brain regions in Parkinson's disease." Neurobiol Aging **35**(4): 858-866.
10. Don AS *et al* (2014) Altered lipid levels provide evidence for myelin dysfunction in multiple system atrophy. Acta neuropathologica communications **29** (2):150
11. Fatima M *et al* (2015). Spread of pathology in amyotrophic lateral sclerosis: assessment of phosphorylated TDP-43 along axonal pathways. Acta Neuropathologica Communications, **3**(1), 47.
12. Gabery S *et al* (2015) Selective loss of oxytocin and vasopressin in the hypothalamus in early Huntington disease: a case study. Neuropathology and applied neurobiology **41**(6): 843-8
13. Hall H *et al* (2014) Hippocampal Lewy pathology and cholinergic dysfunction are associated with dementia in Parkinson's disease. Brain : a journal of neurology **137**(Pt 9): 2493-508
14. Henriksson R *et al.* (2014). PDYN, a gene implicated in brain/mental disorders, is targeted by REST in the adult human brain. Biochem Biophys Acta **1839**(11), 1226-1232.
15. Hunt NJ *et al* (2015). Changes in orexin (hypocretin) neuronal expression with normal aging in the human hypothalamus. Neurobiology of Aging, **36**(1), 292-300.
16. Janeczek P *et al* (2015). Differential expression of alpha-synuclein splice variants in the brain of alcohol misusers: Influence of genotype. Drug Alcohol Depend, **155**, 284-292.
17. Kim WS *et al* (2014) Alpha-synuclein biology in Lewy body diseases. Alzheimer's research & therapy **6**(5): 73
18. Li M *et al* (2014). Knowledge-based automated reconstruction of human brain white matter tracts using a path-finding approach with dynamic programming. Neuroimage, **88**, 271-281.
19. Mamdani M *et al* (2015). Integrating mRNA and miRNA Weighted Gene Co-Expression Networks with eQTLs in the Nucleus Accumbens of Subjects with Alcohol Dependence. PLoS One, **10**(9), e0137671.
20. Matosin N *et al* (2014). Metabotropic glutamate receptor mGluR2/3 and mGluR5 binding in the anterior cingulate cortex in psychotic and nonpsychotic depression, bipolar disorder and schizophrenia: implications for novel mGluR-based therapeutics. J Psychiatry Neurosci, **39**(6), 407-416.

21. Matosin N *et al* (2015). Alterations of mGluR5 and its endogenous regulators Norbin, Tamalin and Preso1 in schizophrenia: towards a model of mGluR5 dysregulation. Acta Neuropathologica Epub ahead of print
22. Matosin N *et al* (2015). Metabotropic glutamate receptor 5, and its trafficking molecules Norbin and Tamalin, are increased in the CA1 hippocampal region of subjects with schizophrenia. Schizophrenia Research **166**(1-3), 212-218.
23. Matosin N *et al* (2015). Shifting towards a model of mGluR5 dysregulation in schizophrenia: Consequences for future schizophrenia treatment. Neuropharmacology Epub ahead of print
24. McMillin M *et al* (2014). Gli1 activation and protection against hepatic encephalopathy is suppressed by circulating transforming growth factor beta1 in mice. Journal of Hepatology **61**(6), 1260-1266.
25. Moujalled D *et al* (2015). Phosphorylation of hnRNP K by cyclin-dependent kinase 2 controls cytosolic accumulation of TDP-43. Human Molecular Genetics **24**(6), 1655-1669.
26. Murphy KE *et al* (2014) Reduced glucocerebrosidase is associated with increased α -synuclein in sporadic Parkinson's disease. Brain : a journal of neurology **137**(Pt 3): 834-48
27. Murphy KE and Halliday GM (2014) Glucocerebrosidase deficits in sporadic Parkinson disease. Autophagy **10**(7): 1350-1
28. Halliday GM and Murphy KE (2015) Reply: Lysosomal dysfunction in Parkinson's disease. Brain : a journal of neurology **138**(Pt 4): e340
29. McCann H *et al* (2015) Unusual α -synuclein and cerebellar pathologies in a case of hereditary myoclonus-dystonia without SGCE mutation. Neuropathology and Applied Neurobiology. **41**(6):837-42
30. McCann H *et al* (2015) Restricted disease propagation in multiple system atrophy with prolonged survival. Neuropathology and Applied Neurobiology.**41**(5):681-5.
31. Mills JD *et al* (2015) High expression of long intervening non-coding RNA OLMALINC in the human cortical white matter is associated with regulation of oligodendrocyte maturation. Molecular brain; **10** (8): 2
32. Mills JD *et al* (2015) Transcriptome analysis of grey and white matter cortical tissue in multiple system atrophy. Neurogenetics; **16**(2): 107-22
33. Mills JD *et al* (2015) Long intervening non-coding RNA 00320 is human brain-specific and highly expressed in the cortical white matter. Neurogenetics; **16**(3): 201-13
34. Murphy KE *et al* (2015) Lysosomal-associated membrane protein 2 isoforms are differentially affected in early Parkinson's disease. Movement disorders: official journal of the Movement Disorder Society **30**(12): 1639-47
35. Oldmeadow C *et al* (2014). Combined analysis of exon splicing and genome wide polymorphism data predict schizophrenia risk loci. Journal of Psychiatric Research **52**, 44-49.
36. Riley BE *et al* (2015) Systems-based analyses of brain regions functionally impacted in Parkinson's disease reveals underlying causal mechanisms. PLoS One **29**;9(8)
37. Rahman T *et al* (2014) Cofilin rods and aggregates concur with tau pathology and the development of Alzheimer's disease. Journal of Alzheimer's disease **42**(4): 1443-60
38. Tan RH *et al* (2014) Beyond the temporal pole: limbic memory circuit in the semantic variant of primary progressive aphasia. Brain : a journal of neurology **137**(Pt 7): 2065-76
39. Tan RH *et al* (2015) TDP-43 proteinopathies: pathological identification of brain regions differentiating clinical phenotypes. Brain. Oct;**138**(Pt 10):3110-22
40. Tan RH *et al* (2015). Cerebellar neuronal loss in als cases with ATXN2 intermediate repeat expansions. Annals of Neurology doi 10.1002/ana.24565
41. Toselli F *et al* (2015). Expression of CYP2E1 and CYP2U1 Proteins in Amygdala and Prefrontal Cortex: Influence of Alcoholism and Smoking. Alcohol Clin Exp Res **39**(5), 790-797.

42. Toselli F *et al* (2015). Gene expression profiling of cytochromes P450, ABC transporters and their principal transcription factors in the amygdala and prefrontal cortex of alcoholics, smokers and drug-free controls by qRT-PCR. Xenobiotica **45**(12), 1129-1137.
43. Umeda-Yano S *et al* M. (2014). Expression analysis of the genes identified in GWAS of the postmortem brain tissues from patients with schizophrenia. Neuroscience Letters **568**, 12-16.
44. van Eersel J *et al* (2015) Early-onset axonal pathology in a novel P301S-Tau transgenic mouse model of frontotemporal lobar degeneration. Neuropathology and Applied Neurobiology **41**(7): 906-25
45. Wong JH *et al* (2014) Exploring myelin dysfunction in multiple system atrophy. Experimental neurobiology **23**(4): 337-44
46. Yue Yang *et al* (2015) Aneuploidy in Lewy body diseases. Neurobiology of Aging **36**(3): 1253-60