

Supplementary material

Professional Positions

1960 - 1966	University of Sydney Medical School
1967 - 1972	Royal North Shore Hospital, Medical Officer and Pathology Registrar
1972 - 1973	Lecturer in Neuropathology - Glasgow University
1973	Assistant Medicine, Division de Neuropathologie, Hospital Cantonal Universitaire de Lausanne
1974 - 1985	Royal Perth Hospital, Western Australia, Neuropathologist
1979 – 1980	Post-graduate Fellow in Neuropathology and Clinical Neuropathologist, University of Pennsylvania
1987- 2009	Consultant Neuropathologist, NSW Department of Forensic Medicine and Children's Hospital Sydney
1989 - 1994	Board of Directors, Faculty of Medicine, University of Sydney
1987 - 1991	Head, Department of Pathology, University of Sydney
1991 – 2012	Director, New South Wales Tissue Resource Centre (Brain bank)
1994 - 1997	Head, Department of Pathology, University of Sydney
1986 – 2012	Foundation Professor of Neuropathology, University of Sydney and Royal Prince Alfred Hospital
2002 – 2012	Director, “Using our Brains” – National brain donor program
2002 – 2012	Director, Department of Neuropathology, Sydney South West Area Health Service
2012 -	Emeritus Professor of Neuropathology, University of Sydney

Awards and other Professional Activities

1962	Commonwealth Scholarship
1998	Parke-Davis Travelling Fellowship
1993	Dept. of Industry and Technology Travelling Fellowship - Paris
2004	Jacob Hoosima Award, International Society for Neurotoxicology
2005	Chaffer Visiting Lecturer, University of Dunedin, New Zealand
2006	Royal Prince Alfred Hospital Foundation Medal for ‘Excellence in Research’
2007	Australia Day Honors List - Order of Australia - AM
2009	Henry Begleiter Excellence in Research Award from the Research Society of Alcoholism

Membership of Societies and Committees

- 1974 Member - British Neuropathological Society, International Society for Neuropathology, Australian Association of Neurologists and American Association of Neuropathologists
- 1981 Medical Director, WA Division of Australian Brain Foundation
- 1983 Referee, NH&MRC of Australia and Medical Research Council of NZ
- 1986 Member - Australian Neuroscience Society
- 1991 Member - Research Society on Alcoholism
- 1990 Editorial Boards - Metabolic Brain Disease, Clinical Neuroscience, Pathology and The Cerebellum
- 1990 President - Australian & New Zealand Society of Neuropathology
- 1998 Board Member - International Society for Biomedical Research in Alcoholism
- 1998 Associate Editor - Alcoholism: Clinical and Experimental Research
- 1999 Neuroscience Institute for Schizophrenia and Allied Disorders (NISAD), Scientific Advisory Board Member and Chairperson, Tissue Resource Centre Committee
- 2002 Chairman, Finance Committee, International Society for Biomedical Research in Alcoholism
- 2003 Chairman, Scientific Advisory Committee, Cure for Life Foundation
- 2004 Director of Neuroscience, Institute for MRI Research, Royal North Shore Hospital
- 2006 Co-Chairman, ISBRA World Congress on Alcohol Research, Sydney, 2006

Selected peer-reviewed publications (2004-09)

1. Foley PF, Loh EW, Innes DJ, Williams SM, Tannenber AEG, Harper CG, Dodd PR. Association studies of neurotransmitter gene polymorphisms in alcoholic Caucasians. *Ann. N.Y. Acad. Sci.* 2004, 1025: 39-46.
2. Harper C, Dixon G, Sheedy D and Garrick T. (2003) Neuropathological alterations in alcoholic brains. Studies arising from the New South Wales Tissue Resource Centre. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 27, 951-61.
3. Sheedy DL, Garrick TM, Fortis AH and Harper CG. (2003) Changing trends in heroin-related deaths in Sydney, Australia-1995 to 1999. *American Journal on Addictions* 12, 52-9.
4. Stankovic RK, Lee V, Kekic M and Harper C. (2003) The expression and significance of metallothioneins in murine organs and tissues following mercury vapour exposure. *Toxicologic Pathology* 31, 514-23.
5. Cooper WA, Shingde M, Lee VK, Allan RS, Wills EJ and Harper C. (2003) "Rhabdoid meningioma" lacking malignant features. Report of two cases. *Clinical Neuropathology* 23, 16-20.
6. Dixon G, Garrick T, Whiteman I, Sarris M, S, and Harper CG. (2004) Characterization of gabaergic neurons within the human medial mamillary nucleus. *Neuroscience* 12, 365-72.
7. Dixon G and Harper CG. (2004) No evidence for selective GABAergic interneuron deficits in the anterior thalamic complex of patients with schizophrenia. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 28, 1045-51.
8. Pfefferbaum A, Sullivan EV, Adalsteinsson E, Garrick T and Harper C. (2004) Postmortem MR imaging of formalin-fixed human brain. *Neuroimage* 21, 1585-95.
9. Sarris M, Scolyer RA, Konopka M, Thompson JF, Harper CG and Lee C Soon (2004) Cytoplasmic expression of nm23 predicts the potential for cerebral metastasis in patients with primary cutaneous melanoma. *Melanoma Res.*14(3):239.
10. Crews FT, Buckley T, Dodd PR, Ende G, Foley N, Harper C, He J, Innes D, Loh el W, Pfefferbaum A, Zou J and Sullivan EV. (2005) Alcoholic neurobiology: changes in dependence and recovery. *Alcoholism: Clinical & Experimental Research* 29, 1504-13.
11. Harper C, Matsumoto I. (2005) Ethanol and brain damage. *Current Opinion in Pharmacology*, 5:73-78.
12. Lewohl JM, Wixey J, Harper CG and Dodd PR. (2005) Expression of MBP, PLP, MAG, CNP and GFAP in the Human Alcoholic Brain. *Alcoholism: Clinical & Experimental Research* 29, 1698-705.
13. Guerrini I, Thomson AD, Cook CC, McQuillin A, Sharma V, Kopelman M, Reynolds, G, Jauhar P, Harper C, Gurling HM (2005) Direct genomic PCR sequencing of the high affinity thiamine transporter (SLC19A2) gene identifies three genetic variants in Wernicke Korsakoff syndrome (WKS). *Am J Med Genet B Neuropsychiatr Genet.* 137(1):17-9.
14. Harper C, Matsumoto I, Pfefferbaum A, Adalsteinsson E, Sullivan EV, Lewohl J, Dodd P, Taylor M, Fein G and Landman B. (2005) The Pathophysiology of "Brain Shrinkage" in Alcoholics. *Structural and Molecular Changes and Clinical Implications. Alcoholism: Clinical and Experimental Research*, 29(6), 1-.
15. Alexander-Kaufman K, James G, Sheedy D, Harper C, Matsumoto I. (2006) Differential protein expression in the prefrontal white matter of human alcoholics: a proteomics study. *Mol Psychiatry* 11(1): 56-65.
16. Wheeler DG, Dixon G, Harper CG. (2006) No differences in calcium-binding protein immunoreactivity in the posterior cingulate and visual cortex: Schizophrenia and controls. *Prog Neuropsychopharmacol Biol Psychiatry* 30(4): 630-639..
17. Harper C. (2006) Thiamine (vitamin B1) deficiency and associated brain damage is still common throughout the world and prevention is simple and safe! *European Journal of Neurology* 13: 1078-1082.
18. Garrick T, Howell S, Terwee P, Redenbach J, Blake H, Harper C. (2006) Brain donation for research: Who donates and why? *Journal of Clinical Neuroscience*, 13: 524-528.
19. Azizi, L, Garrick, TM, Harper, CG. (2006) Brain donation for research: strong support in Australia. *Journal of Clinical Neuroscience*, 13(4): 449-52.
20. Harper C. (2006) The neurotoxicity of alcohol. *Human & Experimental Toxicology* 26(3): 251-7.
21. Jeffree RL, Wills EJ, Harper C. (2007). An unusual myopathy: speckled muscle fibers due to enlarged mitochondria. *Muscle & Nerve* 36(1): 118-22.
22. Savage G, Ray F, Halmagyi M, Blazely A, Harper C. (2007). Stable neuropsychological deficits in adult polyglucosan body disease. *Journal of Clinical Neuroscience* 14(5): 473-7.
23. Yan M, Harper C, Schwartz R. (2006) Dementia in a patient with non-paraneoplastic limbic encephalitis associated with relapsing polychondritis. *Pathology* 38(6): 596-9.
24. Alexander-Kaufman K, Cordwell S, Harper C, Matsumoto I. (2006) A Proteome Analysis of the Dorsolateral Prefrontal Cortex in Human Alcoholic Patients. *Proteomics* (In Press).

25. Shingde M, Spring PJ, Maxwell A, Wills EJ, Harper CG, Dye DE, Laing NG, North KN. (2006) Neuromuscular Disorders. Myosin storage (hyaline body) myopathy: a case report. 16(12): 882-6.
26. Mohammed Abul Kashem, James Gabriel, Clive Harper, Peter Wilce, Izuru Matsumoto. (2007). Differential protein expression in the corpus callosum (splenium) of human alcoholics: a proteomics study. *Neurochemistry International* 50(2): 450-9.
27. Xiaohua He, Edith V. Sullivan, Roger K. Stankovic, Clive G. Harper, Adolf Pfefferbaum. (2007) Interaction of thiamine deficiency and voluntary alcohol consumption disrupts rat corpus callosum ultrastructure. *Neuropsychopharmacology*, 32: 2207-2216.
28. Johansson S, Fuchs A, Okvist A, Karimi M, Harper C, Garrick T, Sheedy D, Hurd Y, Bakalkin G, Ekstrom T J. (2007). Validation of endogenous controls for quantitative gene expression analysis: application on brain cortices of human chronic alcoholics. *Brain Research* 1132(1): 20-8.
29. Alexander-Kaufman K, Harper C, Wilce P, Matsumoto I. (2007). Cerebellar vermis proteome of chronic alcoholic individuals. *Alcoholism: Clinical & Experimental Research* 31(8): 1286-96.
30. Hansen M. A., Harper C, Yiannikas C, McGee-collett M. (2007). A rare presentation of pigmented villonodular synovitis. *Journal of Clinical Neuroscience* 14(4): 386-8.
31. Wheeler, D. G. and C. G. Harper (2007). Localised reductions in gyrfication in the posterior cingulate: schizophrenia and controls. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 31(2): 319-27.
32. Green A, Garrick T, Sheedy D, Blake H, Shores A, Harper C. (2007). The Repeatable Battery for the Assessment of Neuropsychological Status (RBANS): Preliminary Australian Normative Data. *Australian Journal of Psychology*, In Press.
33. Okvist, A., Johansson, S., Kuzmin, A., Bazov, I., Merino- Martinez, R., Ponomarev, I., Mayfield, R. D., Harris, R. A., Sheedy, D., Garrick, T., Harper, C., Hurd, Y., Terenius, L., Ekstrom, T., Bakalkin, G., Yakovleva, T. (2007) Neuroadaptations in human chronic alcoholics: Dysregulation of the NF-kB system. *PLoS ONE* 2(9): e930.
34. N Sundqvist, T Garrick; I Bishop; C Harper (2008). Reliability of post-mortem psychiatric diagnosis for neuroscience research. *Australian and New Zealand Journal of Psychiatry*. 42:3, 221 - 227.
35. Glaw X, Garrick T, Terwee P, Patching J, Blake H, Harper C. (2008): Brain donation: who and why? *Cell and Tissue Banking*, 9121 – 10561.
36. Thomson, A., Cook, C., Guerrini, I., Sheedy, D., Harper, C., Marshall, J. (2008) Wernicke's Encephalopathy: "Plus Ca Change, Plus C'est La Meme Chose", *Alcohol & Alcoholism* 43(2): 180-86.
37. Sheedy D, Garrick T, Dedova I, Hunt C, Miller R, Sundqvist N, Harper C. An Australian Brain Bank: a critical investment with a high return. *Cell and Tissue Banking*, 2008, 9 (3): 205-216.
38. Henriksson R, Kuzmin A, Okvist A, Harper C, Sheedy D, Garrick T, Yakovleva T, Bakalkin, G. Elevated synaptophysin I in the prefrontal cortex of human chronic alcoholics. *Synapse* 2008, 62:829-833.
39. De la Monte S, Tong M, Cohen A, Sheedy D, Harper C, Wands, J.R. Insulin and insulin-like growth factor resistance in alcoholic neurodegeneration. *Alcohol: Clin Exp Res* 2008, 32(9): 1630-1644.
40. Johansson S, Ekström TJ, Marinova Z, Ökvist A, Sheedy D, Garrick T, Harper C, Kuzmin A, Yakovleva T and Bakalkin G. Dysregulation of Cell Death Machinery in the Prefrontal Cortex of Human Alcoholics, *International Journal of Neuropsychopharmacology* (In Press).

Total numbers of articles published: 216

Total number of book chapters published: 16

The most important book chapter that I was asked to write in 1997 is cited below:

Harper C, Butterworth RF. Nutritional and metabolic disorders. In: Greenfield's Neuropathology. 6th edition,. Lantos P, Graham D (Eds) Edward Arnold, Cambridge. 1997:601-655.

This was the main British text in the world on Neuropathology.

Research Support (Grants)

Ongoing Federal

1. 2R24 AA012725-09 Harper (PI) 09/01/00-08/31/13

NIH/NIAAA

Brain Tissue Resource Center for Alcohol Research

The major goal of this project is to establish a brain bank of fixed and frozen tissues to provide to researchers for alcohol-related biomedical research

Role: Chief investigator

2. No. 282933 Harper (PI) 06/01/04-06/01/10

National Health & Medical Research Council of Australia (NHMRC)

The major goal of this grant is to establish a National Network of Brain Banks in Australia which links six banks in five States of Australia

Role: Co-investigator

Ongoing Non-Federal

1. Harper (PI) 01/01/04-01/01/10

Neuroscience Institute for Schizophrenia and Allied Disorders

The major goal of this project is to establish a brain bank of fixed and frozen tissues to provide to researchers for schizophrenia research

Role: Chief investigator

Completed Federal

1. 2 RO1 AA12725-04 Harper (PI) 09/01/04-09/01/08

NIH/NIAAA Brain Tissue Resource Center for Alcohol Research

The major goal of this project is to establish a brain bank of fixed and frozen tissues to provide to researchers for alcohol-related biomedical research

Role: Chief investigator

2. 5 RO1 AA12725-03 Harper (PI) 01/01/06 – 01/01/07

NIH/NIAAA - This grant supported the ISBRA 2006 Congress in Sydney 2006

Role: Co-Chair of Congress and Associate Investigator with Ed Riley

Harper (PI) 01/01/03-01/01/06

3. NSW BioFirst Grant (NSW Government) - This grant was used to attract a new overseas investigator to join the brain bank - Assoc. Prof. Matsumoto from Japan

Role: Co-investigator

Completed Non-Federal

1. Harper (PI) 01/12/06-01/01/09

Royal Prince Alfred Hospital Medical Foundation - This grant is to be used to purchase new equipment for the TRC. Role: Chief investigator

2. Harper (PI) 01/01/07-01/01/08

Rebecca Cooper Foundation

This grant was used to purchase a -80° freezer for the brain bank. Role: Chief investigator

3. Harper (PI) 06/01/06 – 12/01/06

Ian Potter Foundation - This grant was used to support the ISBRA 2006 Congress in Sydney 2006. Role: Co-Chair of Congress

4. Harper (PI) 01/01/05 – 01/01/06

Australian Brewers' Foundation - The major goal of this project was to carry out clinical and neuropsychological evaluations of brain donors in the "Using our Brains" brain donor program.

Role: Chief investigator supervising neuropsychology staff

5. Harper (PI) 01/01/05-01/01/06

Neurosurgical Trust Fund for "Brain Tumor Research", The major goal of this project was to establish a brain tumor bank. Role: Chief investigator

Additional photographs



This photograph was taken to celebrate our BioFirst Award from the NSW Government. From left to right – Nick King (HOD), Dean of Medicine, Izuru Matsumoto (joined our Department as Associate Professor as a result of this grant) and David Burke (Pro Vic Chancellor for Research). David and I were in Medical School together and he specialised in Neurology.

As an aside, I went to see David in about 2013 when I thought that I might be developing motor neurone disease. After doing a series of nerve conduction studies and muscle neurophysiology he reassured me that that was not my diagnosis. It turned out to be Rheumatoid Arthritis. Damage to my Ulnar nerves was causing the symptoms of muscle weakness. I breathed a huge sigh of relief!

I had the most fabulous career but most of all I had the best staff one could ever wish for!

We had a lot of fun as we worked...





...but there were some serious moments and plenty of hard work...



