

# Oxford Project to Investigate Memory and Ageing (OPTIMA)

## PUBLICATIONS BY MEMBERS OF OPTIMA 2010 (inc late 2009)

**New insights into feature and conjunction search: II Evidence from Alzheimers Disease.** Porter G, Leonards U, Wilcock G, Haworth J, Troscianko T, Tales A. *Cortex*, 2009 46: 637- 49

**The neural bases of key competencies of emotional intelligence.** Frank Kruegera, Aron K. Barbey, Kevin McCabe, Maren Strenziok, Giovanna Zamboni, Jeffrey Solomon, Vanessa Raymont, and Jordan Grafman. PNAS, December 29 (2009); Vol 106 (No 52): 22486–22491

**Retrospective evaluation of revised criteria for the diagnosis of Alzheimer's disease using a cohort with post-mortem diagnosis.** Celeste A de Jager, Thurza EM Honey, Jacqueline Birks and Gordon K Wilcock. *Int J Geriatr Psychiatry* 2010; 25: 988–997

**Cognitive performance among the elderly in relation to the intake of plant foods. The Hordaland Health Study.** Eha Nurk, Helga Refsum, Christian A. Drevon, Grethe S. Tell, Harald A. Nygaard, Knut Engedal and A. David Smith *British Journal of Nutrition* (2010), 104: 1190-1201

**Bapineuzumab in Alzheimer's disease: where now?** Gordon K Wilcock. An invited commentary for *The Lancet Neurology* 2010; Vol 9: 134-6

**Profile: Gordon Wilcock: taking risks to improve Alzheimer's care.** Susan Mayor. *The Lancet Neurology* Vol 9 February 2010

**Why are drug trials in Alzheimer's disease failing?** A D Smith. *The Lancet*, Vol 376, Oct 2010, p1466

**Homocysteine-Lowering by B Vitamins Slows the Rate of Accelerated Brain Atrophy in Mild Cognitive Impairment: A Randomized Controlled Trial.** A David Smith, Stephen M. Smith, Celeste A. de Jager, Philippa Whitbread, Carole Johnston, Grzegorz Agacinski, Abderrahim Oulhaj, Kevin M. Bradley, Robin Jacoby, Helga Refsum. *PLoS One*, September 2010, Volume 5, Issue 9, e12244

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**Memory in the Elderly.** de Jager C. *International Encyclopedia of Rehabilitation*. 2010. Eds: JH Stone, M Blouin (Available online: <http://cirrie.buffalo.edu/encyclopedia/article.php?id=148&language=en>)

**Intact cannabinoid CB1 receptors in the Alzheimer's disease cortex.** Jasinda H. Lee, Grzegorz Agacinski, Jonathan H. Williams, Gordon K. Wilcock, Margaret M. Esiri, Paul T. Francis, Peter T.-H. Wong, Christopher P. Chen, Mitchell K.P. Lai. *Neurochemistry International*, Volume 57 Number 8, October 2010, 985–989

**Association of the aromatase gene with Alzheimer's disease in women.** Butler HT, Warden DR, Hogervorst E, Ragoussis J, Smith AD, Lehmann DJ. *Neurosci Lett*. 2010; 468: 202-6.

**Homocysteine as a predictor of cognitive decline in Alzheimer's disease.** Oulhaj A, Refsum H, Beaumont H, Williams J, King E, Jacoby R, et al. *Int J Geriatr Psychiatry*. 2010; 25: 82-90.

**Genetic variation in homocysteine metabolism, cognition, and white matter lesions.** L. M. de Lau, J. B. van Meurs, A. G. Uitterlinden, A. D. Smith, H. Refsum, C. Johnston and M. M. Breteler, *Neurobiol Aging*, 2010 321:2020-22.

**Sulfur amino acids in methionine-restricted rats: hyperhomocysteinemia.** Elshorbagy AK, Valdivia-Garcia M, Refsum H, Smith AD, Mattocks DA, Perrone CE. *Nutrition*. 2010; 26: 1201-4.

**Summary and discussion: Methodologies to assess long-term effects of nutrition on brain function.** de Jager CA, Kovatcheva A. *Nutr Rev*. 2010; 68 Suppl 1: S53-8.

**Anosognosia for Behavioral Disturbances in Frontotemporal Dementia and Corticobasal Syndrome: A Voxel-Based Morphometry Study.** G. Zamboni, J. Grafman, F. Krueger, K.M. Knutson, E.D. Huey. *Dement Geriatr Cogn Disord* 2010; 29: 88–96

**Differential effects of the APOE genotype on brain function across the lifespan.** N. Filippini, K.P. Ebmeier, B.J. MacIntosh, A.J. Trachtenberg, G.B. Frisoni, G.K. Wilcock, C.F. Beckmann, S.M. Smith, P.M. Matthews, C.E. Mackay. *Neuroimage* 2010. 54:602-10

**New insights into feature and conjunction search: I Evidence from pupil size, eye movements and ageing.** Porter G, Tales A, Troscianko T, Wilcock G, Haworth J, Leonards U. *Cortex*, 2010, 46: 621-36

**New insights into feature and conjunction search: II Evidence from Alzheimer's Disease.** Porter G, Leonards U, Wilcock G, Haworth J, Troscianko T, Tales A. *Cortex* 2010, 46:637-49

**Intact cannabinoid CB1 receptors in the Alzheimer's disease cortex.** Lee, J.H. Agacinski, G. Williams, J.H. Wilcock, G.K. Esiri, M.M. Francis, P.T. Wong, P.T. Chen, C.P. Lai, M.K. *Neurochem. Int.* 57:985-89

**Improving Quality of Care for people with dementia in general hospitals.** Heath H, Sturdy D, Wilcock G. *RCN Publishing Company*. 2010

**Concordant association of insulin degrading enzyme gene (IDE) variants with IDE mRNA, A $\beta$ , and Alzheimer's disease.** Carrasquillo MM, Belbin O, Zou F, Allen M, Ertekin-Taner N, Ansari M, Wilcox SL, Kashino MR, Ma L, Younkin LH, Younkin SG, Younkin CS, Dincman TA, Howard ME, Howell CC, Stanton CM, Watson CM, Crump M, Vitart V, Hayward C, Hastie ND, Rudan I, Campbell H, Polasek O, Brown K, Passmore P, Craig D, McGuinness B, Todd S, Kehoe PG, Mann DM, Smith AD, Beaumont H, Warden D, Holmes C, Heun R, Kölsch H, Kalsheker N, Pankratz VS, Dickson DW, Graff-Radford NR, Petersen RC, Wright AF, Younkin SG, Morgan K. *PLoS One*. 2010 19;5(1):e8764.

**The dopamine beta-hydroxylase -1021C/T polymorphism is associated with the risk of Alzheimer's disease in the Epistasis Project.** Combarros O, Warden DR, Hammond N, Cortina-Borja M, Belbin O, Lehmann MG, Wilcock GK, Brown K, Kehoe PG, Barber R, Coto E, Alvarez V, Deloukas P, Gwilliam R, Heun R, Kolsch H, Mateo I, Oulhaj A, Arias-Vasquez A, Schuur M, Aulchenko YS, Ikram MA, Breteler MM, van Duijn CM, Morgan K, Smith AD, Lehmann DJ. *BMC Med Genet*. 2010;11(1):162.

**Circulating folate, vitamin B12, homocysteine, vitamin B12 transport proteins, and risk of prostate cancer: a case-control study, systematic review, and meta-analysis.** Collin SM, Metcalfe C, Refsum H, Lewis SJ, Zuccolo L, Smith GD, et al. *Cancer Epidemiol Biomarkers Prev*. 2010; 19: 1632-42.

**Associations of folate, vitamin B12, homocysteine, and folate-pathway polymorphisms with prostate-specific antigen velocity in men with localized prostate cancer.** Collin SM, Metcalfe C, Refsum H, Lewis SJ, Smith GD, Cox A, et al *Cancer Epidemiol Biomarkers Prev*. 2010; 19: 2833-8.

**Genome wide profiling of altered gene expression in the neocortex of Alzheimer's disease.** Tan MG, Chua WT, Esiri MM, Smith AD, Vinters HV, Lai MK. *J Neurosci Res*. 2010; 88: 1157-69.