

Oxford Project to Investigate Memory and Ageing (OPTIMA)

PUBLICATIONS BY MEMBERS OF OPTIMA 2009

Dispelling myths about Alzheimer's disease. Twenty-one years of OPTIMA. A. David Smith. *Oxford Medicine: The newsletter of the Oxford Alumni*, December 2009, 1-2.

MTHFR 677 C>T Polymorphism Reveals Functional Importance for 5-Methyltetrahydrofolate, Not Homocysteine, in Regulation of Vascular Redox State and Endothelial Function in Human Atherosclerosis. C. Antoniades, C. Shirodaria, P. Leeson, O. A. Baarholm, T. Van-Assche, C. Cunningham, R. Pillai, C. Ratnatunga, D. Tousoulis, C. Stefanadis, H. Refsum and K. M. Channon, *Circulation*, 2009. 119:2507-2515

PSEN1 polymorphisms alter the rate of cognitive decline in sporadic Alzheimer's disease patients. O. Belbin, H. Beaumont, D. R. Warden, A. D. Smith, N. Kalsheker and K. Morgan, *Neurobiol Aging*, 2009. 30, 1992-1999

Increases in plasma holotranscobalamin can be used to assess vitamin B-12 absorption in individuals with low plasma vitamin B-12. D. S. Bhat, N. V. Thuse, H. G. Lubree, C. V. Joglekar, S. S. Naik, L. V. Ramdas, C. Johnston, H. Refsum, C. H. Fall and C. S. Yajnik, *J Nutr*, 2009. 139:2119-23.

Cholinesterase inhibitors may increase phosphorylated tau in Alzheimer's disease. K. A. Chalmers, G. K. Wilcock, H. V. Vinters, E. K. Perry, R. Perry, C. G. Ballard and S. Love, *J Neurol*, 2009. 256, 717-20

Epistasis in sporadic Alzheimer's disease. O. Combarros, M. Cortina-Borja, A. D. Smith and D. J. Lehmann, *Neurobiol Aging*, 2009. 30, 1333-1349

Replication by the Epistasis Project of the interaction between the genes for IL-6 and IL-10 in the risk of Alzheimer's disease. O. Combarros, C. M. van Duijn, N. Hammond, O. Belbin, A. Arias-Vazquez, M. Cortina-Borja, M. G. Lehmann, Y. S. Aulchenko, M. Schuur, H. Kolsch, R. Heun, G. K. Wilcock, K. Brown, P. G. Kehoe, R. Harrison, E. Coto, V. Alvarez, P. Deloukas, I. Mateo, R. Gwilliam, K. Morgan, D. R. Warden, A. D. Smith and D. J. Lehmann, *J Neuroinflammation*, 2009. 6, 22

The synergy factor: a statistic to measure interactions in complex diseases. M. Cortina-Borja, A. D. Smith, O. Combarros and D. J. Lehmann, *BMC Res Notes*, 2009. 2, 105

Detection of MCI in the clinic: evaluation of the sensitivity and specificity of a computerised test battery, the Hopkins Verbal Learning Test and the MMSE. C. A. de Jager, A. C. Schrijnemaekers, T. E. Honey and M. M. Budge, *Age Ageing*, 2009. 38:455-60.

Plasma vitamin B12 status and cerebral white matter lesions. L. de Lau, A. D. Smith, H. Refsum, C. Johnston and M. M. Breteler, *J Neurol Neurosurg Psychiatry*, 2009. 80, 149-157

Cysteine, homocysteine and bone mineral density: A role for body composition? A.K. Elshorbagy, C. G. Gjesdal, E. Nurk, G. S. Tell, P. M. Ueland, O. Nygard, A. Tverdal, S. E. Vollset, A. D. Smith and H. Refsum, *Bone*, 2009. 44, 954-958

The association of plasma cysteine and gamma-glutamyltransferase with BMI and obesity. A.K. Elshorbagy, H. Refsum, A. D. Smith and I. M. Graham, *Obesity* 2009. 17, 1435-40

Genome-wide association study identifies variants at CLU and PICALM associated with Alzheimer's disease. D. Harold, R. Abraham, P. Hollingworth, et al., *Nat Genet*, 2009 41:1088-93.

The effect of recent consumption of caffeine-containing foodstuffs on neuropsychological tests in the elderly. V. E. Lesk, T. E. Honey & C. A. de Jager, *Dement Geriatr Cogn Disord*, 2009. 27, 322-8

Intake of flavonoid-rich wine, tea, and chocolate by elderly men and women is associated with better cognitive test performance. E. Nurk, H. Refsum, C. A. Drevon, G. S. Tell, H. A. Nygaard, K. Engedal and A. D. Smith, *J Nutr*, 2009. 139, 120-7

Predicting the time of conversion to MCI in the elderly. Role of verbal expression and learning. A. Oulhaj, G. K. Wilcock, A. D. Smith and C. A. de Jager, *Neurology*, 2009. 73, 1436-1442

Association study of MICA and MICB in Alzheimer's disease. I. Quiroga, D. J. Lehmann, M. C. Barnardo, S. Fuggle, M. Cortina-Borja, D. R. Warden and A. D. Smith, *Tissue Antigens*, 2009. 74, 241-3

Blood pressure, dementia and Alzheimer's disease: The OPTIMA longitudinal study. G. Razay, J. Williams, E. King, A. D. Smith and G. Wilcock, *Dement Geriatr Cogn Disord*, 2009. 28, 70-74

Vitamin B-12 and cognition in the elderly. A. D. Smith and H. Refsum, *Am J Clin Nutr*, 2009. 89(suppl.), 707S-711S

Determinants of plasma methylmalonic acid in a large population: Implications for assessment of vitamin B12 status. A. Vogiatzoglou, A. Oulhaj, A. D. Smith, E. Nurk, C. A. Drevon, P. M. Ueland, S. E. Vollset, G. S. Tell and H. Refsum, *Clin Chem*, 2009.55:2198-2206

Dietary sources of vitamin B-12 and their association with plasma vitamin B-12 concentrations in the general population: the Hordaland Homocysteine Study. A. Vogiatzoglou, A. D. Smith, E. Nurk, P. Berstad, C. A. Drevon, P. M. Ueland, S. E. Vollset, G. S. Tell and H. Refsum, *Am J Clin Nutr*, 2009. 89, 1078-87

Olfactory impairment is more marked in patients with mild dementia with Lewy bodies than those with mild Alzheimer disease. S. S. Williams, J. Williams, M. Combrinck, S. Christie, A. D. Smith and R. McShane, *J Neurol Neurosurg Psychiatry*, 2009. 80, 667-670

What we have learnt from the Myriad Trials. Hendrix SB; Wilcock GK. *J Nutr Health Aging* 2009 13: 362-4

TNFR-associated factor-2 (TRAF-2) in Alzheimer's disease. Culpan,D.; Cram,D.; Chalmers,K.; Cornish,A.; Palmer,L.; Palmer,J.; Hughes,A.; Passmore,P.; Craigs,D.; Wilcock,G.K.; Kehoe,P.G.; Love,S. *Neurobiol Aging* 2009 30:1052-60

Methodological issues in primary prevention trials for neurodegenerative dementia

Andrieu S, Coley N, Aisen P, Carrillo M, Dekoskey S, Durga J, Fillit H, Frisoni F, Froelich L, Gauthier S, Jones R, Jonsson L, Khachaturian Z, Morris J, Orgogozo J-M, Ousset P-J, Robert P, Salmon E, Sampaio C, Verhey F, Wilcock G, Vellas B. *J. Alzheimer's Disease* 2009 16:235-270

For the Tarenflurbil Phase 3 Study Group. Effect of Tarenflurbil on Cognitive Decline and Activities of Daily Living in Patients with Mild Alzheimer's Disease. A Randomized Controlled Trial. Green RC, Schneider LS, Amato DA, Beelen AP, Wilcock G, Swabb EA, Zavitz KH. *JAMA* 2009 302:2557-2564

Retrospective evaluation of revised criteria for the diagnosis of Alzheimer's disease using a cohort with post-mortem diagnosis. de Jager CA, Honey TEM, Birks J, Wilcock GK. *Int. J. Ger. Psychiatr.* 2010, 25:988-97