

Oxford Project to Investigate Memory and Ageing (OPTIMA)

PUBLICATIONS 2014

Rare coding variants in the phospholipase D3 gene confer risk for Alzheimer's disease. Cruchaga C, Karch CM, Jin SC, Benitez BA, Cai Y, Guerreiro R, Harari O, Norton J, Budde J, Bertelsen S, et al. *Nature* 2014;505(7484):550-4. doi: 10.1038/nature12825.

Critical levels of brain atrophy associated with homocysteine and cognitive decline. de Jager CA. *Neurobiol Aging* 2014;35 Suppl 2:S35-9. doi: 10.1016/j.neurobiolaging.2014.03.040.

Cerebral subcortical small vessel disease in subjects with pathologically confirmed Alzheimer disease: a clinicopathologic study in the Oxford Project to Investigate Memory and Ageing (OPTIMA). Esiri MM, Joachim C, Sloan C, Christie S, Agacinski G, Bridges LR, Wilcock GK, Smith AD. *Alzheimer Dis Assoc Disord* 2014;28(1):30-5. doi: 10.1097/WAD.0b013e31829b72f1.

The sex-specific associations of the aromatase gene with Alzheimer's disease and its interaction with IL10 in the Epistasis Project. Medway C, Combarros O, Cortina-Borja M, Butler HT, Ibrahim-Verbaas CA, de Bruijn RF, Koudstaal PJ, van Duijn CM, Ikram MA, Mateo I, Sánchez-Juan P, Lehmann MG, Heun R, Kölsch H, Deloukas P, Hammond N, Coto E, Alvarez V, Kehoe PG, Barber R, Wilcock GK, Brown K, Belbin O, Warden DR, Smith AD, Morgan K, Lehmann DJ. *Eur J Hum Genet.* 2014, 22:216-220.

Cerebrospinal Fluid Biomarkers Distinguish Postmortem-Confirmed Alzheimer's Disease from Other Dementias and Healthy Controls in the OPTIMA Cohort. Seeburger JL, Holder DJ, Combrinck M, Joachim C, Laterza O, Tanen M, Dallob A, Chappell D, Snyder K, Flynn M, et al. *J Alzheimers Dis* 2014;e-pub ahead of print. doi: 10.3233/jad-141725.

Dementia (including Alzheimer's Disease) can be prevented: Statement supported by international experts. Smith AD, Yaffe K. *J Alzheimers Dis* 2014;38(4):699-703. doi: 10.3233/jad-132372.

Piloting and validation of a novel self-administered online cognitive screening tool in normal older persons: the Cognitive Function Test. Trustram Eve C, de Jager CA. *Int J Geriatr Psychiatry* 2014;29:198-206. doi: 10.1002/gps.3993.

Methylomic profiling implicates cortical deregulation of ANK1 in Alzheimer's disease

Katie Lunnon, Rebecca Smith, Eilis Hannon, Philip L De Jager, Gyan Srivastava, Manuela Volta, Claire Troakes, Safa Al-Sarraj, Joe Burrage, Ruby Macdonald, Daniel Condliffe, Lorna W Harries, Pavel Katsel, Vahram Haroutunian, Zachary Kaminsky, Catharine Joachim, John Powell, Simon Lovestone, David A Bennett, Leonard C Schalkwyk & Jonathan Mill *Nature Neurosci.* 2014 17:1164-70

Pathophysiology of white matter perfusion in Alzheimer's disease and vascular dementia

Rachel Barker, Emma L. Ashby, Dannielle Wellington, Vivienne M. Barrow, Jennifer C. Palmer, Patrick G. Kehoe, Margaret M. Esiri and Seth Love *Brain* 2014; 137; 1524–1532

A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. A.M. Dickens, J.R. Larkin, J.L. Griffin, A. Cavey, L. Matthews, M.R. Turner, G.K. Wilcock, B.G. Davis, T.D. Claridge, J. Palace, D.C. Anthony, N.R. Sibson, *Neurology* 83 (2014) 1492-1499.

The use of biomarkers for the etiologic diagnosis of MCI in Europe: An EADC survey.

M. Bocchetta, S. Galluzzi, P.G. Kehoe, E. Aguera, R. Bernabei, R. Bullock, M. Ceccaldi, J.F. Dartigues, M.A. de, M. Didic, M. Eriksdotter, O. Felician, L. Frolich, H.J. Gertz, M. Hallikainen, S.G. Hasselbalch, L. Hausner, I. Heuser, F. Jessen, R.W. Jones, A. Kurz, B. Lawlor, A. Lleo, P. Martinez-Lage, P. Mecocci, S. Mehrabian, A. Monsch, F. Nobili, A. Nordberg, R.M. Olde, J.M. Orgogozo, F. Pasquier, O. Peters, E. Salmon, C. Sanchez-Castellano, I. Santana, M. Sarazin, L. Traykov, M. Tsolaki, P.J. Visser, A.K. Wallin, G. Wilcock, D. Wilkinson, H. Wolf, G. Yener, D. Zekry, G.B. Frisoni, *Alzheimers.Dement.*2014).

Practical detection of a definitive biomarker panel for Alzheimer's disease; comparisons between matched plasma and cerebrospinal fluid. J.L. Richens, K.A. Vere, R.A. Light, D. Soria, J. Garibaldi, A.D. Smith, D. Warden, G. Wilcock, N. Bajaj, K. Morgan, P. O'Shea *Int.J.Mol.Epidemiol.Genet.* 5 (2014) 53-70.

Reporting standards for studies of diagnostic test accuracy in dementia: The STARDdem Initiative. A.H. Noel-Storr, J.M. McCleery, E. Richard, C.W. Ritchie, L. Flicker, S.J. Cullum, D. Davis, T.J. Quinn, C. Hyde, A.W. Rutjes, N. Smailagic, S. Marcus, S. Black, K. Blennow, C. Brayne, M. Fiorivanti, J.K. Johnson, S. Kopke, L.S. Schneider, A. Simmons, N. Mattsson, H. Zetterberg, P.M. Bossuyt, G. Wilcock, R. McShane, *Neurology* 83 (2014) 364-373.

Is there more to subjective cognitive impairment than meets the eye? A perspective. A. Tales, G.K. Wilcock, J.E. Phillips, A. Bayer, *J.Alzheimers.Dis.* 41 (2014) 655-661.

Is there more to subjective cognitive impairment than meets the eye? Raising awareness.

A. Tales, G.K. Wilcock, J.E. Phillips, A. Bayer, *J.Alzheimers.Dis.* 41 (2014) 665-666.

Alterations in working memory networks in amnesic mild cognitive impairment. E.M. Migo, M. Mitterschiffthaler, O. O'Daly, G.R. Dawson, C.T. Dourish, K.J. Craig, A. Simmons, G.K. Wilcock, E. McCulloch, S.H. Jackson, M.D. Kopelman, S.C. Williams, R.G. Morris, *Neuropsychol.Dev.Cogn B Aging Neuropsychol.Cogn* 22 (2015) 106-127.

Role of Depression in Predicting Time to Conversion to Mild Cognitive Impairment. Dean K, Oulhaj A, Zamboni G, DeJager CA, Wilcock GK. *Am J Geriatr Psychiatry* 2014, 22:727-734

The Significance of α -Synuclein, Amyloid- β and Tau Pathologies in Parkinson's Disease Progression and Related Dementia. Compta Y, Parkkinen L, Kempster P, Selikhova M, Lashley T, Holton JL, Lees AJ, Revesz T. (2014) *Neurodegener Dis.* 13(2-3) doi: 10.1159/000354670

Functional connectivity in the Basal Ganglia network differentiates PD patients from Controls. Szewczyk-Krolkowski K, Menke RAL., Rolinski M, Duff E, Salimi-Khorshidi G, Filippini N, Zamboni G, Hu MT, and Mackay CE. *Neurology.* 2014 Jun 11

Aberrant functional connectivity in dissociable hippocampal networks is associated with deficits in memory. Voets NL, Zamboni G, Stokes MG, Carpenter K, Stacey R, Adcock JE. *J.Neurosci* 2014 34(14):4920-8