

Selected peer-reviewed publications (out of more than 325)

1. **Farrer LA**, Cupples LA, Haines JL, Hyman BT, Kukull WA, Mayeux R, Pericak-Vance MA, Risch N, van Duijn CM for the APOE and Alzheimer Disease Meta Analysis Consortium. Effect of age, gender and ethnicity on the association of apolipoprotein E genotype and Alzheimer disease. *JAMA* 1997;278:1349-56 [PMID: 9343467](#)
2. Yu G, Nishimura M,...**Farrer L**, Sorbi S, Bruni A, Fraser P, St George-Hyslop P. Nicastrin modulates presenilin-mediated notch/glp-1 signal transduction and β APP processing. *Nature* 2000; 407:48-54. [PMID: 10993067](#)
3. Green RC, Cupples LA, Go R, Benke KS, Edeki T, Griffith PA, Williams M, Hipps Y, Graff-Radford N, Bachman D, **Farrer LA**. Risk of dementia among White and African American relatives of patients with Alzheimer disease. *JAMA* 2002; 287: 329-336. [PMID: 11790212](#)
4. Kennedy JL, **Farrer LA**, Andreasen NC, Mayeux R, St. George-Hyslop P. The genetics of adult-onset neuropsychiatric disease: complexities and conundra. *Science* 2003; 302: 822-826. [PMID: 14593167](#)
5. Saleh M, Vaillancourt JP, Graham RK, Huyck M, Srinivasula SM, Alnemri ES, Steinberg MH, Nolan V, Baldwin CT, Hotchkiss RS, Buchman TG, Zehnbauser BA, Hayden MR, **Farrer LA**, Roy S, Nicholson DW. Differential modulation of endotoxin responsiveness by human caspase-12 polymorphs. *Nature* 2004; 429:75-79. [PMID: 15129283](#)
6. Edwards AO, Ritter R, Abel KJ, Manning A, Panhuysen C, **Farrer LA**. Complement factor H polymorphism and age-related macular degeneration. *Science* 2005; 308:421-424. [PMID: 15761121](#).
7. Gelernter J, Yu Y, Weiss R, Brady K, Panhuysen C, Yang B, Kranzler HR, **Farrer LA**. Haplotype spanning TTC12 and ANKK1, adjacent to the DRD2 locus, is strongly associated to nicotine dependence in two distinct American populations. *Hum Mol Genet* 2006; 15:3498-3507. [PMID: 17085484](#)
8. Rogaeva E, Meng Y, Lee JH, Gu Y-J, Zou F, Kawarai T, Katayama T, Baldwin CT, Cheng R, Hasegawa H, Chen F, Shibata N, Lunetta KL, Pardossi-Piquard R, Bohm C, Wakutani Y, Cupples LA, T.Cuenca K, Green RC, Pinessi L, Rainero I, Sorbi S, Bruni A, Duara R, Friedland R, Inzelberg R, Hampe W, Bujo H, Song Y, Andersen O, Graff-Radford N, Petersen R, Dickson D, Der SD, Fraser PE, Schmitt-Ulms G, Younkin S, Mayeux R, **Farrer LA**, St George-Hyslop P. The sortilin-related receptor SORL1 is functionally and genetically associated with Alzheimer's disease. *Nat Genet* 2007;39:168-177. [PMID: 17220890](#)
9. Green RC, Roberts JS, Cupples LA, Relkin NR, Whitehouse PJ, Brown T, LaRusse Eckert S, Butson M, Sadovnick AD, Quaid KA, Chen C, Cook-Deegan R, **Farrer LA** for the REVEAL Study Group. A randomized trial of APOE disclosure for risk of Alzheimer's disease: The REVEAL Study. *New Engl J Med* 2009; 361:245-254. PMID: 19605829.
10. **Farrer LA**, Kranzler HR, Yu Y, Weiss RD, Brady, KT, Cubells JF, Gelernter J. Association of Variants in the α -endomannosidase (MANEA) gene with cocaine-related behaviors. *Arch Gen Psychiatry* 2009; 66:267-274. [PMID: 19255376](#)
11. Sherva R, Ma Q, Abel K, Sripichai O, Whitacre J, Angkachatchai V, Makarasara W, Winichagoon P, Fucharoen S, Braun A, **Farrer LA**. Genetic modifiers of Hb E / β 0 thalassemia identified by a two-stage genome-wide association study. *BMC Med Genet* 2010; 11:51. [PMCID: PMC2853425](#)

12. Perneczky R, Wagenpfeil S, Lunetta KL, Cupples A, Green RC, DeCarli C, **Farrer LA**, Kurz A for the MIRAGE Study Group. Head circumference, atrophy and cognition: implications for brain reserve in Alzheimer's disease. *Neurology* 2010; 75:137-142. [PMCID: PMC2905931](#)
13. Jun G, Naj AC, Beecham GW, Wang L-S, Buross J, Gallins PJ, Buxbaum JD, Ertekin-Taner N, Fallin MD, Friedland R, Inzelberg R, Kramer P, Rogava E, St George-Hyslop P, ADGC, Cantwell L, Dombrosk BA, Saykin AJ, Reiman EM, Bennett DA, Morris JC, Lunetta KL, Martin ER, Montine TJ, Goate AM, Blacker D, Tsuang DW, Beekly D, Cupples AL, Hakonarson H, Kukull W, Foroud TM, Haines J, Mayeux R, **Farrer LA**, Pericak-Vance MA, Schellenberg GD. Meta-Analysis confirms CR1, CLU, and PICALM as Alzheimer's disease risk loci and reveals interactions with APOE genotypes. *Arch Neurol* 2010; 67:1473-1484. [PMID: 20697030](#).
14. Reitz C, Tokuhiro S, Clark LN, Conrad C, Vonsattel J-P, Palotas A, Lantigua R, Medrano M, Jiménez-Velázquez IZ, Haines JL, Pericak-Vance MA, **Farrer LA**, Lee JH, Rogava E, St. George-Hyslop P, Mayeux R. SORCS1 alters amyloid precursor protein processing and variants may increase Alzheimer's disease risk. *Ann Neurol* 2011; 69:47-64. [PMID: 21280075](#)
15. Naj AC, Jun G, Beecham GW, ..149 co-authors... Mayeux R, Pericak-Vance MA, **Farrer LA**, Schellenberg GD. Genome-wide association study of late-onset Alzheimer disease identifies disease associated variants in MS4A4/MS4A6E, CD2AP, CD33, and EPHA1. *Nat Genet* 2011;43:436-441. [PMID: 21460841](#).
16. Sherva R, Baldwin CT, Inzelberg R, Vardarajan B, Cupples LA, Lunetta K, Bowirrat A, Naj A, Pericak-Vance MA, Friedland RP, **Farrer LA**. Identification of novel candidate genes for Alzheimer disease by autozygosity mapping using genome wide SNP data. *J Alz Dis*. 2011; 23:349-359. [PMID: 21098978](#).
17. Jun G, Nicolaou M, Morrison MA, Buross J, Kim IK, Schaumberg DA, Kotoula MG, Tsironi EE, Zacharaki F, Hageman GS, **Farrer LA**, DeAngelis MM. Influence of ROBO1 and its interaction with RORA on risk of neovascular and dry age-related macular degeneration. *PLoS One* 2011; 6(10):e25775. [PMID: 21998696](#).
18. Erlich PM, Lunetta KL, Cupples LA, Abraham CR, Green RC, Baldwin CT, Farrer LA. Measures of serum paraoxonase activity are associated with multiple distinct variants in the PON gene cluster and risk of Alzheimer disease. *Neurobiol Aging* 2012; 33:1015. [PMID: 20980077](#).
19. Melville S, Buross J, Parrado A, Vardarajan B, Shen L, Risacher SL, Alzheimer Disease Neuroimaging Initiative, Kim S, Jun G, DeCarli C, Lunetta KL, Baldwin CT, Saykin AJ, **Farrer LA**. Genome-wide association study of Alzheimer-related brain MRI traits. *Ann Neurol* 2012; 72:65-75. [PMID: 22745009](#).
20. Vardarajan BN, Bruesegem SY, Harbour ME, St. George-Hyslop P, Seaman MNJ, **Farrer LA**. Identification of Alzheimer disease associated variants in genes that regulate retromer function. *Neurobiol Aging* 2012.; 33:2231.e15-2231. [PMID: 22673115](#)
21. Jun G, Moncaster JA, Koutras C, Buross J, Levesque G, Seshadri S, Wolf PA, St George-Hyslop P, Goldstein LE, **Farrer LA**. Delta-catenin is genetically and biologically associated with cortical cataract and future Alzheimer-related brain changes in the Framingham Study. *PLoS One* 2012; 7:e43728. <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043728>
22. Xie P, Kranzler HR, Yang C, Farrer LA, Gelernter J. Genomewide association study identifies new susceptibility loci for posttraumatic stress disorder. *Biol Psych* 2013. In press. <http://www.biologicalpsychiatryjournal.com/content/1201750abs>

23. Fritsche LG, Chen W, Schu M, Yaspan BL 156 co-authors Haines JL, **Farrer LA**, Heid IM, Abecasis GR. Seven new loci associated with age-related macular degeneration. Nat Genet 2013. In press. [PMID: 23455636](#)
24. Reitz C, Rajbhandary R, Naj AC, Jun G, Vardarajan BN, Wang L-S, Valladares O, Lin C-F, Larson EB, Graff-Radford NR, Evans D, De Jager PL, Mulrrell J R, Raj T, Ertekin-Taner N, Logue L, Baldwin CT, Green RC, Barnes LL, Cantwell LB, Fallin MD, Go RCP, Griffith P, Obeyesekere TO, Manly J, Lunetta KL, Kamboh MI, Lopez OL, Bennett DA, Hall K, Goate AM, Byrd GS, Kukull WA, Foroud TM, the ADGC Consortium, Haines JL, **Farrer LA**, Pericak-Vance MA, Schellenberg GD, Mayeux. Variants in the ATP-binding cassette transporter, ABCA7, and the apolipoprotein E ϵ 4 allele substantially and equally influence risk of late-onset Alzheimer's disease in African Americans. JAMA 2013. In press.