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Bio-sketch

Jean François Dartigues is Professor of Public Health at the University of Bordeaux (ISPED) and Neurologist at the Institute of Neurodegenerative Diseases (Clinical part) (IMNc), CHU of Bordeaux. He has authored or co-authored over 500 professional publications in the field of epidemiology and clinical research, most of which are on Alzheimer's disease and related disorders (ADRD). (H factor=78; Source: Scopus). He is best known for his work in descriptive and analytic epidemiology of ADRD, and on prognosis and management of AD in the general population. His current research interests include the secular trends in epidemiology of ADRD, the impact of cognitive and brain reserves on cognitive decline with ageing and AD process, the evolution of dependency in ADRD and the evaluation of the impact of new structures that manage ADRD patients in France like MAIA or ESA.

JF Dartigues is Director of the INSERM team "Epidemiology and Neuropsychology of Brain Ageing" from the BPH Center. He is the Principal Investigator (PI) or co-PI of three population-based cohorts on 65+ elderly subjects: Paquid since 1988, 3C study since 1999 and AMI since 2006. He is also the PI of two Multicenter Randomized Clinical Trials on non-drug treatment of ADRD : the ETNA 3 trial and the AIDALZ trial on disease management of mild AD. He was the past-Director of the « Centre de Mémoire de Ressource et de Recherche » (CMRR) of Bordeaux and founded with François Tison and Erwan Bezarid the IMNc, first Clinical Center in France dedicated to Clinical research on ADRD and Parkinson's Disease.

Education

YEAR(s)	INSTITUTION AND LOCATION	DEGREE
1979	University of Bordeaux (Bordeaux, France)	MD
1979	University of Bordeaux (Bordeaux, France)	Qualification in Rehabilitation Medicine
1981	University of Bordeaux (Bordeaux, France)	Qualification in Neurology
1985	University of Bordeaux (Bordeaux, France)	PhD in Epidemiology

Employment History

- since 1992

Head of the team « Epidemiology of Brain Aging » at the INSERM department U593 "Epidemiology, Public Health and Development" and then at the Research Centre INSERM U897 « Epidemiology and Biostatistics » since 2008 (director R. Salamon)

- since 1985

Professeur des Universités-Praticien Hospitalier in Public Health at the Institute of Public Health, Epidemiology and Development (ISPED) of the University Victor Segalen Bordeaux 2, and at the Neurological of the University Hospital from Bordeaux.

. 1981 - 85:

University and Hospital Assistant in Epidemiology and Public Health :

- Laboratory of Epidemiology (Pr. SALAMON) at the University Bordeaux 2.
- Service de Neurologie (CHU de Bordeaux)

. 1979-81 :

- Chef de Clinique Assistant en Neurologie (CHU de Bordeaux)

Participation to scientific journals

Member of the editorial boards of *Neuroepidemiology* (since 1995), the *Journal of Nutrition health and Aging* (since its creation in 2000), *Dementia and Geriatric Cognitive Disorders* (since 2009).

Reviewer for *N Engl J Med*, *Lancet*, *Lancet Neurology*, *Neurology*, *J Neurol Neurosurg Psychiatr*, *Dementia Geriatr Cog Dis*, *Br J Psychiatr*

Main general functions and expertise

Director of the « Institut Fédératif de Recherche en Neurosciences » 2003-2005

Director of the “Institut Fédératif de Recherche en Santé Publique” n°99-2005-2010.

Member of the Scientific Council of Université de Bordeaux II 1998-2010.

Collective expertise of the INSERM on Alzheimer’s Disease and related disorders.

Member of the operational Committee of the Foundation Alzheimer 2008-2013.

Member of the steering Committee of the French Alzheimers’ Plan 2009-2013

President of the Steering Committee of the ANR program MALZ (2010-2012)

Key bibliometric numbers

Publications: 567 - H factor: 78 (Scopus)

Selection of papers (out of 289 papers on neurodegenerative diseases):

1. Pimouguet C, Delva F, Le Goff M, Stern Y, Pasquier F, Berr C, Tzourio C, Dartigues JF, Helmer C. Survival and early recourse to care for dementia: A population based study. *Alzheimers Dement* 2015;11:385-93.
2. Pilleron S, Guerchet M, Ndamba-Bandzouzi B, Mbelesso P, Dartigues JF, Preux PM, Clement JP. Association between Stressful Life Events and Cognitive Disorders in Central Africa: Results from the EPIDEMCA Program. *Neuroepidemiology* 2015;44:99-107.
3. Nicolas G, Wallon D, Goupil C, Richard AC, Pottier C, Dorval V, Sarov-Riviere M, Riant F, Herve D, Amouyel P, Guerchet M, Ndamba-Bandzouzi B, Mbelesso P, Dartigues JF, Lambert JC, Preux PM, Frebourg T, Campion D, Hannequin D, Tournier-Lasserre E, Hebert SS, Rovelet-Lecrux A. Mutation in the 3'untranslated region of APP as a genetic determinant of cerebral amyloid angiopathy. *Eur J Hum Genet* 2015.
4. Lambert JC, Grenier-Boley B, Bellenguez C, Pasquier F, Campion D, Dartigues JF, Berr C, Tzourio C, Amouyel P. PLD3 and sporadic Alzheimer's disease risk. *Nature* 2015;520:E1.
5. Jun G, Ibrahim-Verbaas CA, Vronskaya M, Lambert JC, Chung J, Naj AC, Kunkle BW, Wang LS, Bis JC, Bellenguez C, Harold D, Lunetta KL, Destefano AL, Grenier-Boley B, Sims R, Beecham GW, Smith AV, Chouraki V, Hamilton-Nelson KL, Ikram MA, Fievet N, Denning N, Martin ER, Schmidt H, Kamatani Y, Dunstan ML, Valladares O, Laza AR, Zelenika D, Ramirez A, Foroud TM, Choi SH, Boland A, Becker T, Kukull WA, van der Lee SJ, Pasquier F, Cruchaga C, Beekly D, Fitzpatrick AL, Hanon O, Gill M, Barber R, Gudnason V, Campion D, Love S, Bennett DA, Amin N, Berr C, Tzolaki M, Buxbaum JD, Lopez OL, Deramecourt V, Fox NC, Cantwell LB, Tarraga L, Dufouil C, Hardy J, Crane PK, Eiriksdottir G, Hannequin D, Clarke R, Evans D, Mosley TH, Jr., Letenneur L, Brayne C, Maier W, De Jager P, Emilsson V, Dartigues JF, Hampel H, Kamboh MI, de Bruijn RF, Tzourio C, Pastor P, Larson EB, Rotter JI, O'Donovan MC, Montine TJ, Nalls MA, Mead S, Reiman EM, Jonsson PV, Holmes C, St George-Hyslop PH, Boada M, Passmore P, Wendland JR, Schmidt R, Morgan K, Winslow AR, Powell JF, Carasquillo M, Younkin SG, Jakobsdottir J, Kauwe JS, Wilhelmsen KC, Rujescu D, Nothen MM, Hofman A, Jones L, Haines JL, Psaty BM, Van Broeckhoven C, Holmans P, Launer LJ, Mayeux R, Lathrop M, Goate AM, Escott-Price V, Seshadri S, Pericak-Vance MA, Amouyel P, Williams J, van Duijn CM, Schellenberg GD, Farrer LA. A novel Alzheimer disease locus located near the gene encoding tau protein. *Mol Psychiatry* 2015.
6. Germain M, Chasman DI, de Haan H, Tang W, Lindstrom S, Weng LC, de Andrade M, de Visser MC, Wiggins KL, Suchon P, Saut N, Smadja DM, Le Gal G, van Hylckama Vlieg A, Di Narzo A, Hao K, Nelson CP, Rocanin-Arjo A, Folkersen L, Monajemi R, Rose LM, Brody JA, Slagboom E, Aissi D, Gagnon F, Deleuze JF, Deloukas P, Tzourio C, Dartigues JF, Berr C, Taylor KD, Civelek M, Eriksson P, Psaty BM, Houwing-Duitermaat J, Goodall AH, Cambien F, Kraft P, Amouyel P, Samani NJ, Basu S, Ridker PM, Rosendaal FR, Kabrhel C, Folsom AR, Heit J, Reitsma PH, Tregouet DA, Smith NL, Morange PE. Meta-analysis of 65,734 Individuals Identifies TSPAN15 and SLC44A2 as Two Susceptibility Loci for Venous Thromboembolism. *Am J Hum Genet* 2015;96:532-42.
7. Deckers K, van Boxtel MP, Schiepers OJ, de Vugt M, Munoz Sanchez JL, Anstey KJ, Brayne C, Dartigues JF, Engedal K, Kivipelto M, Ritchie K, Starr JM, Yaffe K, Irving K, Verhey FR, Kohler S. Target risk factors for dementia prevention: a systematic review and Delphi consensus study on the evidence from observational studies. *Int J Geriatr Psychiatry* 2015;30:234-46.
8. Dobbie S, Ibrahim Verbaas CA, Bressler J, Schuur M, Smith A, Bis JC, Davies G, Wolf C, Gudnason V, Chibnik LB, Yang Q, deStefano AL, de Quervain DJ, Srikanth V, Lahti J, Grabe HJ, Smith JA, Priebe L, Yu L, Karbalai N, Hayward C, Wilson JF, Campbell H, Petrovic K, Fornage M, Chauhan G, Yeo R, Boxall R, Becker J, Stegle O, Mather KA, Chouraki V, Sun Q, Rose

- LM, Resnick S, Oldmeadow C, Kirin M, Wright AF, Jonsdottir MK, Au R, Becker A, Amin N, Nalls MA, Turner ST, Kardina SL, Oostra B, Windham G, Coker LH, Zhao W, Knopman DS, Heiss G, Griswold ME, Gottesman RF, Vitart V, Hastie ND, Zgaga L, Rudan I, Polasek O, Holliday EG, Schofield P, Choi SH, Tanaka T, An Y, Perry RT, Kennedy RE, Sale MM, Wang J, Wadley VG, Liewald DC, Ridker PM, Gow AJ, Pattie A, Starr JM, Porteous D, Liu X, Thomson R, Armstrong NJ, Eiriksdottir G, Assareh AA, Kochan NA, Widen E, Palotie A, Hsieh YC, Eriksson JG, Vogler C, van Swieten JC, Shulman JM, Beiser A, Rotter J, Schmidt CO, Hoffmann W, Nothen MM, Ferrucci L, Attia J, Uitterlinden AG, Amouyel P, Dartigues JF, Amieva H, Raikonen K, Garcia M, Wolf PA, Hofman A, Longstreth WT, Jr., Psaty BM, Boerwinkle E, DeJager PL, Sachdev PS, Schmidt R, Breteler MM, Teumer A, Lopez OL, Cichon S, Chasman DI, Grodstein F, Muller-Myhsok B, Tzourio C, Papassotiropoulos A, Bennett DA, Ikram MA, Deary IJ, van Duijn CM, Launer L, Fitzpatrick AL, Seshadri S, Mosley TH, Jr. Genome-wide Studies of Verbal Declarative Memory in Nondemented Older People: The Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. *Biol Psychiatry* 2015;77:749-63.
9. Catheline G, Amieva H, Dilharreguy B, Bernard C, Duperron MG, Helmer C, Dartigues JF, Allard M. Semantic retrieval over time in the aging brain: Structural evidence of hippocampal contribution. *Hippocampus* 2015.
 10. Carcaillon L, Plichart M, Zureik M, Rouaud O, Majed B, Ritchie K, Tzourio C, Dartigues JF, Empana JP. Carotid plaque as a predictor of dementia in older adults: The Three-City Study. *Alzheimers Dement* 2015;11:239-48.
 11. Bocchetta M, Galluzzi S, Kehoe PG, Aguera E, Bernabei R, Bullock R, Ceccaldi M, Dartigues JF, de Mendonca A, Didic M, Eriksdotter M, Felician O, Frolich L, Gertz HJ, Hallikainen M, Hasselbalch SG, Hausner L, Heuser I, Jessen F, Jones RW, Kurz A, Lawlor B, Lleo A, Martinez-Lage P, Mecocci P, Mehrabian S, Monsch A, Nobili F, Nordberg A, Rikkert MO, Orgogozo JM, Pasquier F, Peters O, Salmon E, Sanchez-Castellano C, Santana I, Sarazin M, Traykov L, Tsolaki M, Visser PJ, Wallin AK, Wilcock G, Wilkinson D, Wolf H, Yener G, Zekry D, Frisoni GB. The use of biomarkers for the etiologic diagnosis of MCI in Europe: an EADC survey. *Alzheimers Dement* 2015;11:195-206 e1.
 12. Ryan J, Carriere I, Carcaillon L, Dartigues JF, Auriacombe S, Rouaud O, Berr C, Ritchie K, Scarabin PY, Ancelin ML. Estrogen receptor polymorphisms and incident dementia: the prospective 3C study. *Alzheimers Dement* 2014;10:27-35.
 13. Philipps V, Amieva H, Andrieu S, Dufouil C, Berr C, Dartigues JF, Jacqmin-Gadda H, Proust-Lima C. Normalized Mini-Mental State Examination for assessing cognitive change in population-based brain aging studies. *Neuroepidemiology* 2014;43:15-25.
 14. Jacqmin-Gadda H, Blanche P, Chary E, Loubere L, Amieva H, Dartigues JF. Prognostic score for predicting risk of dementia over 10 years while accounting for competing risk of death. *Am J Epidemiol* 2014;180:790-8.
 15. Gonzalez-Colaco Harmand M, Meillon C, Rullier L, Avila-Funes JA, Bergua V, Dartigues JF, Amieva H. Cognitive decline after entering a nursing home: a 22-year follow-up study of institutionalized and noninstitutionalized elderly people. *J Am Med Dir Assoc* 2014;15:504-8.
 16. Foubert-Samier A, Le Goff M, Helmer C, Peres K, Orgogozo JM, Barberger-Gateau P, Amieva H, Dartigues JF. Change in leisure and social activities and risk of dementia in elderly cohort. *J Nutr Health Aging* 2014;18:876-82.
 17. Drame K, Diallo G, Delva F, Dartigues JF, Mouillet E, Salamon R, Mouglin F. Reuse of termino-ontological resources and text corpora for building a multilingual domain ontology: an application to Alzheimer's disease. *J Biomed Inform* 2014;48:171-82.
 18. Donohue MC, Jacqmin-Gadda H, Le Goff M, Thomas RG, Raman R, Gamst AC, Beckett LA, Jack CR, Jr., Weiner MW, Dartigues JF, Aisen PS. Estimating long-term multivariate progression from short-term data. *Alzheimers Dement* 2014;10:S400-10.
 19. Delva F, Edjolo A, Peres K, Berr C, Barberger-Gateau P, Dartigues JF. Hierarchical structure of the activities of daily living scale in dementia. *J Nutr Health Aging* 2014;18:698-704.
 20. Delva F, Auriacombe S, Letenneur L, Foubert-Samier A, Bredin A, Clementy A, Latxague C, Puymirat E, Ballan G, Delabrousse-Mayoux JP, Glenisson L, Mazat L, Spampinato U, Rainfray M, Tison F, Dartigues JF. Natural history of functional decline in Alzheimer's disease: a systematic review. *J Alzheimers Dis* 2014;40:57-67.
 21. Chouraki V, De Bruijn RF, Chapuis J, Bis JC, Reitz C, Schraen S, Ibrahim-Verbaas CA, Grenier-Boley B, Delay C, Rogers R, Demiautte F, Mounier A, Fitzpatrick AL, Berr C, Dartigues JF, Uitterlinden AG, Hofman A, Breteler M, Becker JT, Lathrop M, Schupf N, Alperovitch A, Mayeux R, van Duijn CM, Buee L, Amouyel P, Lopez OL, Ikram MA, Tzourio C, Lambert JC. A genome-wide association meta-analysis of plasma Aβ peptides concentrations in the elderly. *Mol Psychiatry* 2014;19:1326-35.
 22. Carcaillon L, Brailly-Tabard S, Ancelin ML, Tzourio C, Foubert-Samier A, Dartigues JF, Guiochon-Mantel A, Scarabin PY. Low testosterone and the risk of dementia in elderly men: Impact of age and education. *Alzheimers Dement* 2014;10:S306-14.
 23. Carcaillon L, Brailly-Tabard S, Ancelin ML, Rouaud O, Dartigues JF, Guiochon-Mantel A, Scarabin PY. High plasma estradiol interacts with diabetes on risk of dementia in older postmenopausal women. *Neurology* 2014;82:504-11.
 24. Bernard C, Helmer C, Dilharreguy B, Amieva H, Auriacombe S, Dartigues JF, Allard M, Catheline G. Time course of brain volume changes in the preclinical phase of Alzheimer's disease. *Alzheimers Dement* 2014;10:143-51 e1.
 25. Amieva H, Mokri H, Le Goff M, Meillon C, Jacqmin-Gadda H, Foubert-Samier A, Orgogozo JM, Stern Y, Dartigues JF. Compensatory mechanisms in higher-educated subjects with Alzheimer's disease: a study of 20 years of cognitive decline. *Brain* 2014;137:1167-75.
 26. Alperovitch A, Blachier M, Soumare A, Ritchie K, Dartigues JF, Richard-Harston S, Tzourio C. Blood pressure variability and risk of dementia in an elderly cohort, the Three-City Study. *Alzheimers Dement* 2014;10:S330-7.
 27. Allard M, Husky M, Catheline G, Pelletier A, Dilharreguy B, Amieva H, Peres K, Foubert-Samier A, Dartigues JF, Swendsen J. Mobile technologies in the early detection of cognitive decline. *PLoS One* 2014;9:e112197.
 28. Roubaud Baudron C, Letenneur L, Langlais A, Buissonniere A, Megraud F, Dartigues JF, Salles N. Does Helicobacter pylori infection increase incidence of dementia? The Personnes Agees QUID Study. *J Am Geriatr Soc* 2013;61:74-8.

29. Potvin O, Bergua V, Meillon C, Le Goff M, Bouisson J, Dartigues JF, Amieva H. State anxiety and cognitive functioning in older adults. *Am J Geriatr Psychiatry* 2013;21:915-24.
30. Pimouguet C, Bassi V, Somme D, Lavallart B, Helmer C, Dartigues JF. The 2008-2012 French Alzheimer plan: a unique opportunity for improving integrated care for dementia. *J Alzheimers Dis* 2013;34:307-14.
31. Perquin M, Vaillant M, Schuller AM, Pastore J, Dartigues JF, Lair ML, Diederich N. Lifelong exposure to multilingualism: new evidence to support cognitive reserve hypothesis. *PLoS One* 2013;8:e62030.
32. Pelletier A, Periot O, Dilharreguy B, Hiba B, Bordessoules M, Peres K, Amieva H, Dartigues JF, Allard M, Catheline G. Structural hippocampal network alterations during healthy aging: a multi-modal MRI study. *Front Aging Neurosci* 2013;5:84.
33. Lambert JC, Ibrahim-Verbaas CA, Harold D, Naj AC, Sims R, Bellenguez C, DeStafano AL, Bis JC, Beecham GW, Grenier-Boley B, Russo G, Thornton-Wells TA, Jones N, Smith AV, Chouraki V, Thomas C, Ikram MA, Zelenika D, Vardarajan BN, Kamatani Y, Lin CF, Gerrish A, Schmidt H, Kunkle B, Dunstan ML, Ruiz A, Bioreau MT, Choi SH, Reitz C, Pasquier F, Cruchaga C, Craig D, Amin N, Berr C, Lopez OL, De Jager PL, Deramecourt V, Johnston JA, Evans D, Lovestone S, Letenneur L, Moron FJ, Rubinsztein DC, Eiriksdottir G, Sleegers K, Goate AM, Fievet N, Huentelman MW, Gill M, Brown K, Kamboh MI, Keller L, Barberger-Gateau P, McGuinness B, Larson EB, Green R, Myers AJ, Dufouil C, Todd S, Wallon D, Love S, Rogaeva E, Gallacher J, St George-Hyslop P, Clarimon J, Lleo A, Bayer A, Tsuang DW, Yu L, Tsolaki M, Bossu P, Spalletta G, Proitsi P, Collinge J, Sorbi S, Sanchez-Garcia F, Fox NC, Hardy J, Deniz Naranjo MC, Bosco P, Clarke R, Brayne C, Galimberti D, Mancuso M, Matthews F, Moebus S, Mecocci P, Del Zompo M, Maier W, Hampel H, Pilotto A, Bullido M, Panza F, Caffarra P, Nacmias B, Gilbert JR, Mayhaus M, Lannefelt L, Hakonarson H, Pichler S, Carrasquillo MM, Ingelsson M, Beekly D, Alvarez V, Zou F, Valladares O, Younkin SG, Coto E, Hamilton-Nelson KL, Gu W, Razquin C, Pastor P, Mateo I, Owen MJ, Faber KM, Jonsson PV, Combarros O, O'Donovan MC, Cantwell LB, Soininen H, Blacker D, Mead S, Mosley TH, Jr., Bennett DA, Harris TB, Fratiglioni L, Holmes C, de Bruijn RF, Passmore P, Montine TJ, Bettens K, Rotter JI, Brice A, Morgan K, Foroud TM, Kukull WA, Hannequin D, Powell JF, Nalls MA, Ritchie K, Lunetta KL, Kauwe JS, Boerwinkle E, Riemenschneider M, Boada M, Hiltunen M, Martin ER, Schmidt R, Rujescu D, Wang LS, Dartigues JF, Mayeux R, Tzourio C, Hofman A, Nothen MM, Graff C, Psaty BM, Jones L, Haines JL, Holmans PA, Lathrop M, Pericak-Vance MA, Launer LJ, Farrer LA, van Duijn CM, Van Broeckhoven C, Moskva V, Seshadri S, Williams J, Schellenberg GD, Amouyel P. Meta-analysis of 74,046 individuals identifies 11 new susceptibility loci for Alzheimer's disease. *Nat Genet* 2013;45:1452-8.
34. Lambert JC, Grenier-Boley B, Harold D, Zelenika D, Chouraki V, Kamatani Y, Sleegers K, Ikram MA, Hiltunen M, Reitz C, Mateo I, Feulner T, Bullido M, Galimberti D, Concaro L, Alvarez V, Sims R, Gerrish A, Chapman J, Deniz-Naranjo C, Solfrizzi V, Sorbi S, Arosio B, Spalletta G, Siciliano G, Epelbaum J, Hannequin D, Dartigues JF, Tzourio C, Berr C, Schrijvers EM, Rogers R, Tosto G, Pasquier F, Bettens K, Van Cauwenberghe C, Fratiglioni L, Graff C, Delepine M, Ferri R, Reynolds CA, Lannefelt L, Ingelsson M, Prince JA, Chillotti C, Pilotto A, Seripa D, Boland A, Mancuso M, Bossu P, Annoni G, Nacmias B, Bosco P, Panza F, Sanchez-Garcia F, Del Zompo M, Coto E, Owen M, O'Donovan M, Valdivieso F, Caffarra P, Scarpini E, Combarros O, Buee L, Campion D, Soininen H, Breteler M, Riemenschneider M, Van Broeckhoven C, Alperovitch A, Lathrop M, Tregouet DA, Williams J, Amouyel P. Genome-wide haplotype association study identifies the FRMD4A gene as a risk locus for Alzheimer's disease. *Mol Psychiatry* 2013;18:461-70.
35. Jacqmin-Gadda H, Alperovitch A, Montlahuc C, Commenges D, Leffondre K, Dufouil C, Elbaz A, Tzourio C, Menard J, Dartigues JF, Joly P. 20-Year prevalence projections for dementia and impact of preventive policy about risk factors. *Eur J Epidemiol* 2013;28:493-502.
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38. Dartigues JF, Foubert-Samier A, Le Goff M, Viltard M, Amieva H, Orgogozo JM, Barberger-Gateau P, Helmer C. Playing board games, cognitive decline and dementia: a French population-based cohort study. *BMJ Open* 2013;3:e002998.
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