

# CURRICULUM VITAE

NAME: **Christophe Tzourio**

## DEGREES AND POSTGRADUATE QUALIFICATIONS

- 1996 Accreditation to Conduct Research, Paris HDR, Paris VI University  
1992 PhD Epidemiology, with first class honours, University of Paris XI, Paris  
1991 MD Neurology, with first class honours, University of Paris XI, Paris  
1989 MSc Statistics in Health, top of the class, University of Paris XI, Paris

## ACADEMIC APPOINTMENTS

- 2013-present Director, Research Center in Epidemiology and Biostatistics, Bordeaux, France.  
2011-present Professor of Epidemiology, University of Bordeaux, Bordeaux, France.  
2005-2013 Director, Inserm Unit 708 'Neuroepidemiology'.  
2007-2008 Director, Department of Research in Public Health, Inserm, Paris  
1999-2011 Research Director, INSERM, Paris  
1993-2008 Consultant in Neurology, Hôpital Lariboisière, Paris  
1991-1998 Senior Researcher, INSERM, Paris  
1991-1992 Assistant Professor in Neurology, Paris

## EDITORIAL APPOINTMENTS

- Editorial Board, Stroke (1992 to 2002)  
Editorial Board, Neuroepidemiology (2005-)  
Editorial Board, Journal of Hypertension (2010-)  
Associate Editor, Journal of Alzheimer's Disease (2011-)  
Editorial Board, Journal of Universal Rejection (2010-)  
Reviewer (since 2001) : Annals of Neurology ; British Medical Journal ; Cerebrovascular diseases ; Circulation ; Hypertension ; Journal of Alzheimer's disease ; J Hypertens ; JAMA; JNNP ; Journal of Medical Genetics ; Lancet Neurology ; Neurology ; New England Journal of Medicine ; Nature Reviews Neurology ; Stroke

## REVIEWER: RESEARCH GRANTS

National : National Research Agency; Medical Research Foundation; Ministry of Health;...

International :

- 2012 : ERA-Net NEURON (European Commission)  
2010 : Estonian Science Foundation (ESF) (Estonia)  
2010 : Internationale Stichting Alzheimer Onderzoek (ISAO) (the Netherlands)

- 2009 : Chilean Commission for Science and Technology Research (CONICYT) (Chile)
- 2007 : Canadian Fund for Innovation (Canada)
- 2006 : Medical Research Fondation (Honk Kong)
- 2003 : Neurological Foundation (New-Zealand)
- 2000 : Medical Research Council (NHMRC) (Australia)

## **ORGANISATIONAL APPOINTMENTS**

### **Organisations**

- Member, Scientific Advisory Board (SAB), University of Bordeaux (2011-)
- Member, SAB, University Hospital of Bordeaux (2011-)
- Member, SAB, National Institute for Medical Research (INSERM) (2008-2012)
- Member, Steering committee of the Foundation Plan Alzheimer (2008-2014)
- Member, Scientific Advisory Board, Medical Research Foundation (FRM) (2007-2008)
- Director, Department of Research in Public Health, INSERM (2007-2008)
- Member, Scientific Committee of the National Research Agency (ANR) (2006-2009)
- Member, Ethical Committee Paris Ile de France (2002-2007)

### **Trials and studies**

- Member, International Executive Committee and European board of the INTERACT trial, international trial on the acute phase treatment of cerebral hemorrhage (C Anderson, Australia, 2008–)
- Member, Data Safety Monitoring Board of the CHIMES trial, international multicenter trial in recovery of ischemic stroke, (C Cheng, Singapore, 2006–)
- Member, International Advisory Board of the ASPREE trial (M Nelson, 2003–2010)
- Chairman and statistician of the Data Safety Monitoring Board of an international phase 2b therapeutic trial in Alzheimer's disease (2003–2005)
- Regional coordinator and member of the International Management Committee of the PROGRESS trial on the prevention of recurrent stroke (S MacMahon, Australia 1997-)
- Co-Principal Investigator, phase 4 study on Memantine in Alzheimer's disease (Ministry of Health, 2003-2006)

### **Working group of experts (international)**

- Working Group on Hypertension and Brain, European Society of Hypertension, 2010–
- Writing Committee of the American Heart Association (AHA) “Vascular Contributions to Cognitive Impairment and Dementia”, 2009-2010
- WHO meeting, relation between hypertension and stroke, 2003
- Task Force of the International Headache Society on "Migraine, oral contraceptives and hormonal replacement therapy", 1998-2000

## **'FUNDING ID' AND RESEARCH PROGRAMME (2001 – PRESENT)**

- Principal Investigator (with Dr A. Alperovitch), EVA-MRI study. Supported by a grant from the Ministry of Health.
- Principal Investigator (with Prof C. Anderson), Dementia study in the Protection Against Recurrent Stroke Study. (6,000 patients). Supported by grants from the National Health and Medical Research Council of Australia and the Institut de Recherches Internationales Servier, France.
- Principal Investigator, French MRI sub-study in the Protection Against Recurrent Stroke Study. Supported by a grant from the Institut de Recherches Internationales Servier.

#### Current research grants

- Principal Investigator. 3C-COVADIS study. Supported by grants (2,360k€) from Sanofi, Ministry of Health, National Research Agency, Foundation Plan Alzheimer, 2004-2012
- Principal Investigator (with Prof O. Hanon), LEOPOLD trial. Supported by a grant from the Ministry of Health (1,400k€), 2012-2017
- Principal Investigator, i-Share study. Grant 'Invest for future' (8,300k€), 2011-2020
- Member Investigator, Leducq Transatlantic Network of Excellence on the Pathogenesis of small vessel disease of the brain (630k€), 2012-2015

## **PUBLICATIONS**

260 papers in international peer-reviewed journals (Pubmed)

13834 citations (Web of Science)

H-index = 53 ;

Ranked in the top 1% of scientists (*Highly Cited Scientist*) by the ISI Web of Science in 'Neuroscience'

#### **Top 10 publications** (since 2001) :

1. Dufouil C, Alperovitch A, Ducros V, C Tzourio. Homocysteine, white matter hyperintensities, and cognition in healthy elderly people. *Ann Neurol* 2003; 53(2):214-21. (IF = 9.3)
2. C Tzourio, Anderson C, Neal B, MacMahon S, Woodward M, Chalmers J. Effects of blood pressure lowering with perindopril and indapamide on dementia and severe cognitive decline in patients with cerebrovascular disease. *Arch Int Med* 2003;163:1069-1075. (IF = 13.2)
3. Elbaz, C. Levecque, J. Clavel, J.-S.Vidal, F. Richard, B. Delemotte, P. Amouyel, A. Alperovitch, M.-C. Chartier-Harlin, C. Tzourio. Evidence for gene-environment interaction between CYP2D6 and exposure to pesticides in Parkinson's disease. *Ann Neurol* 2004;55:430-434. (IF = 9.3)
4. C Dufouil, J Chalmers, O Costum, M-G Bousser, P Guillon, S MacMahon, B Mazoyer, B Neal, M Woodward, N Tzourio-Mazoyer, C Tzourio. White matter hyperintensities in a blood pressure lowering trial. The PROGRESS MRI study. *Circulation* 2005;112:1644-1650. (IF = 14.8)

5. A Alpérovitch, J-M Lacombe, O Hanon, J-F Dartigues, K Ritchie, P Ducimetière, C Tzourio. Relation between outdoor temperature and blood pressure in a large sample of elderly individuals, the Three-City Study. *Arch Int Med* 2009;169:75-80. (IF = 9.8)
6. Soumaré, A. Elbaz, P. Maillard, F. Crivello, B. Tavernier, C. Dufouil, B. Mazoyer, C. Tzourio. White matter hyperintensities volume and motor performances in the elderly. *Ann Neurol* 2009;65(6):706-15. (IF = 9.3)
7. J Dumurgier, A Elbaz, B Tavernier, C Tzourio. Low Walking Speed is associated with increased vascular mortality in well-functioning elderly: the 3-City study. *BMJ* 2009;339:b4460. (IF = 13.7)
8. T Kurth, S Mohamed, P Maillard, H Chabriat, B Mazoyer, MG Bousser, C Dufouil, C Tzourio. Headache, migraine, and structural brain lesion: the EVA MRI study. *BMJ* 2011 Jan 18;342:c7357. (IF = 13.7)
9. JC. Bis , C DeCarli, AV Smith, F van der Lijn, F Crivello, M Fornage, S Debette, J M. Shulman, H Schmidt, V Srikanth, M Schuur, Lei Yu, S-H Choi, S Sigurdsson, B F.J.Verhaaren, A L. DeStefano, JC Lambert, C R. Jack, M Struchalin, J Stankovich, C A. Ibrahim-Verbaas , D Fleischman, A Zijdenbos, T den Heijer, B Mazoyer, L H. Coker, C Enzinger, P Danoy, N A K Arfanakis, M van Buchem, R de Bruijn, A Beiser, C Dufouil, J Huang, M Cavalieri, R Thomson, W J. Niessen, L B. Chibnik, G K. Gislason, A Hofman, A Pikula, P Amouyel, K B. Freeman, T G. Phan, B A. Oostra, J L. Stein , S E. Medland , A A Vasquez , D P. Hibar, M J. Wright , B Frankel , N G. Martin , P M. Thompson , M A. Nalls, A G. Uitterlinden, R Au, A Elbaz, R J. Beare, J C. van Swieten, O Lopez, T B. Harris, M M.B. Breteler, P L. De Jager, J T. Becker, M W. Vernooij, D Knopman, F Fazekas, P A. Wolf, Aad van der Lugt, V Gudnason, W.T. Longstreth Jr. , M A. Brown, D A. Bennett, C M. van Duijn\*\*, T H. Mosley\*\*, R Schmidt\*\*, C Tzourio\*\*, L J. Launer\*\*, M. A Ikram\*\*, S Seshadri\*\*. **All last\*\* authors contributed equally.** Genome-wide association studies implicate loci on Chromosome 12 in hippocampal volume. *Nature Genetics* 2012 Apr 15;44(5):545-51 (IF = 36.4)
10. 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 Apr 2;520(7545):E1. doi: 10.1038/nature14036..

## AWARDS AND ACADEMY MEMBERSHIPS

Prize 'Coup d'élan pour la recherche Française' Bettencourt Foundation 2012

Award for Scientific Excellency, French Ministry of Research, 2010-

Award for Interface with Clinical Research, French Ministry of Health, 2005-2010

Stroke Society of Australasia (SSA), Honorary Member

International Society for Vascular and Cognitive Disorders (VASCOG), Founding Member

American Academy of Neurology, member