

PERSONAL INFORMATION

Fabrizia D'Antonio

 Department of Human Neuroscience, Sapienza University of Rome
 Viale dell'Università 30 00185 Rome, Italy



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Gender Female | Date of birth 09/11/1984 | Nationality Italian

OCCUPATIONAL FIELD

Neurology

EDUCATION AND TRAINING

October 2016 ongoing

Ph.D Student
Behavioural Neuroscience
 Sapienza University of Rome

July 2016

Specialist in Neurology
 Sapienza University of Rome

- Vote: 70/70 cum laude
 Title of thesis: "Cognitive trajectories in psychotic subtypes in Alzheimer's disease: Non linear mixed effect modelling"

September 2009

Medical Doctor
 Sapienza University of Rome

- Vote: 110/110 cum laude
 Title of degree thesis: "Clinical onset and epidemiology of posterior cortical atrophy"

WORK EXPERIENCE

December 2016 ongoing

Research Fellow
 Department of Human Neuroscience - Sapienza University of Rome

July 2015 ongoing

Honorary Lecturer
 Division of Psychiatry University College London UCL

August 2016 to October 2016

Neurologist
 Fellowship in the field of "Behavioural disorders in the degenerative dementia"
 Department of Neurology and Psychiatry - Sapienza University of Rome

July 2015 to June 2016

Visiting Research fellow
 Old Age Psychiatry- Institute of Psychiatry, Psychology and Neurosciences IOPPN
 King's College London

October 2010 to January 2011

Neurology intern
 Fellowship in the field of "Therapeutic interventions in the degenerative dementia"
 Department of Neurology and Psychiatry - Sapienza University of Rome

September 2007 to July 2010

Neurology intern
 Attending Neurology outpatients' service, day hospital and ward.
 Special focus on aid and research in Alzheimer Unit
 Department of Neurology and Psychiatry - Sapienza University of Rome

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Softwares Knowledge and experience in using R, SPSS and Monolix

Scientific activity

Investigator in the following clinical trials

CREAD: A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Efficacy And Safety Study Of Crenezumab In Patients With Prodromal To Mild Alzheimer's Disease.

EARLY, JANSSEN: A Phase 2b/3 Randomized, Double-blind, Placebo-Controlled, Parallel Group, Multicenter Study Investigating the Efficacy and Safety of JNJ-54861911 in Subjects who are Asymptomatic At Risk for Developing Alzheimer's Dementia.

GANTENERUMAB: A Phase III Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Efficacy And Safety Study Of Gantenerumab In Patients With Mild Alzheimer's Disease.

LUNDBECK 14862A: Randomised, double-blind, parallel-group, placebo-controlled, fixed-dose study of Lu AE58054 in patients with mild-moderate Alzheimer's disease treated with donepezil.

LZAN: Effect of Passive Immunization on The Progression of Alzheimer's Disease: Solanezumab (LY2062430) Versus Placebo.

LZAO: Continued Efficacy and Safety Monitoring of Solanezumab, an Anti-Amyloid B Antibody in Patients with Alzheimer's Disease.

LZAX: Effect of Passive Immunization on the Progression of Mild Alzheimer's Disease: Solanezumab (LY2062430) Versus Placebo.

SERVIER: Efficacy and safety of 3 doses of S 38093 (2, 5 and 20 mg/day) versus placebo, in co-administration with donepezil (10 mg/day) in patients with moderate Alzheimer's Disease. A 24-week international, multi-centre, randomised, double-blind, placebo-controlled phase IIb study.

TOMM40_302: A Validation Study to Determine Performance Characteristics and Normative Values for Common Cognitive Instruments used to Detect Dementia and Lesser Cognitive Impairments in the Elderly.

Grants

Young researcher starting grant Sapienza University of Rome in 2016

Project: "Lose the time: Alteration in time perception in Neurodegenerative diseases"

Publications

D'Antonio F., Reeves S., Sheng Y., McLachlan E., de Lena C., Howard R., Bertrand J.
Misidentification subtype of Alzheimer's disease psychosis predicts a faster cognitive decline
CPT Pharmacometrics Syst Pharmacol. 2019 Feb 19.

Babiloni C, Del Percio C, Pascarelli M.T., Lizio R, Noce G, Lopez S, Rizzo M, Ferri R, Soricelli A, Nobili F, Arnaldi D, Famà F, Orzi F, Buttinelli C, Giubilei F, Salvetti M, Cipollini V, Franciotti R, Onofri M, Stirpe P, Fuhr P, Gschwandtner U, Ransmayr G., Aarsland D, Parnetti L, Farotti L, Marizzoni M, **D'Antonio F**, De Lena C, Güntekin B, Hanogllu L, Gö Yener G, Emek-Savas D.D, Triggiani A.I., Taylor J.P, McKeith I, Stocchi F, Vacca L, Hampel H, Frisoni G.B, De Pandis M.F, Bonanni L.

Abnormalities of functional cortical source connectivity of resting-state electroencephalographic alpha rhythms are similar in patients with mild cognitive impairment due to Alzheimer's and Lewy body diseases.

Neurobiol Aging. 2019 Jan 24;77:112-127.

Boccia M., Di Vita A., Diana S., Margiotto R., Imbriano I., Rendace L., Campanelli A., **D'Antonio F**.
Trebastoni A., de Lena C., Piccardi L., Guariglia C.

Is losing the right way a marker of "losing the own mind"? Topographical memory deficit as an early marker of pathological aging.

Journal of Alzheimer's disease 2019 In Press

Teghil A, Boccia M, **D'Antonio F**, Di Vita A, de Lena C, Guariglia C.

Neural substrates of Internally-Based and Externally-Cued Timing: an activation likelihood estimation (ALE) meta-analysis of fMRI studies.

Neurosci Biobehav Rev. 2018 Oct 11

Babiloni C, Del Percio C, Lizio R, Noce G, Lopez S, Soricelli A, Ferri R, Pascarelli MT, Catania V, Nobili F, Arnaldi D, Famà F, Orzi F, Buttinelli C, Giubilei F, Bonanni L, Franciotti R, Onofri M, Stirpe P, Fuhr P, Gschwandtner U, Ransmayr G, Fraioli L, Parnetti L, Farotti L, Pievani M, **D'Antonio F**, De Lena C, Güntekin B, Hanoğlu L, Yener G, Emek-Savaş DD, Triggiani AI, Taylor JP, McKeith I, Stocchi F, Vacca L, Frisoni GB, De Pandis MF.

Levodopa may affect cortical excitability in Parkinson's disease patients with cognitive deficits as revealed by reduced activity of cortical sources of resting state electroencephalographic rhythms.

Neurobiol Aging. 2018 Aug 30;73:9-20.

Babiloni C., Del Percio C, Lizio R, Noce G, Lopez S, Soricelli A, Ferri R, Nobili F, Arnaldi D, Famà F, Aarsland D, Orzi F, Buttinelli C, Giubilei F, Onofri M, Stocchi F, Stirpe P, Fuhr P, Gschwandtner U, Ransmayr G, Gam H, Fraioli L, Pievani M, Frisoni GB, **D'Antonio F**, De Lena C, Güntekin B, Hanoğlu L, Başar E, Yener G, Emek-Savaş DD, Triggiani AI, Franciotti R Taylor JP, Vacca L, De Pandis MF, Bonanni L.

Abnormalities of resting-state functional cortical connectivity in patients with dementia due to Alzheimer's and Lewy body diseases: an EEG study.

Neurobiol Aging. 2018 May;65:18-40.

Babiloni C, Del Percio C, Lizio R, Noce G, Lopez S, Soricelli A, Ferri R, Pascarelli MT, Catania V, Nobili F, Arnaldi D, Famà F, Orzi F, Buttinelli C, Giubilei F, Bonanni L, Franciotti R, Onofri M, Stirpe P, Fuhr P, Gschwandtner U, Ransmayr G, Gam H, Fraioli L, Pievani M, **D'Antonio F**, De Lena C, Güntekin B, Hanoğlu L, Başar E, Yener G, Emek-Savaş DD, Triggiani AI, Taylor JP, De Pandis MF, Vacca L, Frisoni GB, Stocchi F.

Functional cortical source connectivity of resting state electroencephalographic alpha rhythms shows similar abnormalities in patients with mild cognitive impairment due to Alzheimer's and Parkinson's diseases.

Clin Neurophysiol. 2018 Apr;129(4):766-78

Babiloni C, Del Percio C, Lizio R, Noce G, Lopez S, Soricelli A, Ferri R, Pascarelli MT, Catania V, Nobili F, Arnaldi D, Famà F, Aarsland D, Orzi F, Buttinelli C, Giubilei F, Onofri M, Stocchi F, Vacca L, Stirpe P, Fuhr P, Gschwandtner U, Ransmayr G, Gam H, Fraioli L, Pievani M, Frisoni GB, **D'Antonio F**, De Lena C, Güntekin B, Hanoğlu L, Başar E, Yener G, Emek-Savaş DD, Triggiani AI, Franciotti R, Taylor JP, De Pandis MF, Bonanni L.

Abnormalities of Resting State Cortical EEG Rhythms in Subjects with Mild Cognitive Impairment Due to Alzheimer's and Lewy Body Diseases.

J Alzheimers Dis. 2018;62(1):247-268.

Trebastoni A, Imbriano L, Podda L, Rendace L, Sacchetti ML, Campanelli A, **D'Antonio F**, de Lena

C.

Cognitive Training in Patients with Alzheimer's Disease: Findings of a 12-month Randomized Controlled Trial.

Curr Alzheimer Res. 2018 Mar 14;15(5):452-461.

Reeves S, Bertrand J, McLachlan E, **D'Antonio F**, Brownings S, Nair A, Greaves S, Smith A, Dunn JT, Marsden P, Kessler R, Uchida H, Taylor D, Howard R. J.

A Population Approach to Guide Amisulpride Dose Adjustments in Older Patients With Alzheimer's Disease.

J Clin Psychiatry. 2017 Jul;78(7):e844-e851.

Babiloni C, Del Percio C, Lizio R, Noce G, Cordone S, Lopez S, Soricelli A, Ferri R, Pascarelli MT, Nobili F, Arnaldi D, Aarsland D, Orzi F, Buttinelli C, Giubilei F, Onofri M, Stocchi F, Stirpe P, Fuhr P, Gschwandtner U, Ransmayr G, Caravias G, Garn H, Sorpresi F, Pievani M, Frisoni GB, **D'Antonio F**, De Lena C, Güntekin B, Hanoğlu L, Başar E, Yener G, Emek-Savaş DD, Triggiani AI, Franciotti R, De Pandis MF, Bonanni L.

Abnormalities of cortical neural synchronization mechanisms in patients with dementia due to Alzheimer's and Lewy body diseases: an EEG study.

Neurobiol Aging. 2017 Jul;55:143-158.

Reeves S, McLachlan E, Bertrand J, **D'Antonio F**, Brownings S, Nair A, Greaves S, Smith A, Taylor D, Dunn JT, Marsden P, Kessler R, , Howard R.

Therapeutic window of dopamine D2/3 receptor occupancy to treat psychosis in Alzheimer's disease.

Brain. 2017 Apr 1;140(4):1117-1127

Canevelli M., Lucchini F., Garofalo C., Talarico G., Trebbastoni A., **D'Antonio F**, Imbriano L., Velotti P., de Lena C., Gasparini M., Bruno G.

Inappropriate sexual behaviors among community-dwelling patients with dementia.

Am J Geriatr Psychiatry. 2017 Apr;25(4):365-371.

Trebbastoni A, Marcelli M, Mallone F, **D'Antonio F**, Imbriano L, Campanelli A, de Lena C, Gharbiya M.

Attenuation of Choroidal Thickness in Patients With Alzheimer Disease: Evidence From an Italian Prospective Study.

Alzheimer Dis Assoc Disord. 2017 Apr-Jun;31(2):128-134.

Canevelli M, Trebbastoni A, Quarata F, **D'Antonio F**, Cesari M, de Lena C, Bruno G.

External Validity of Randomized Controlled Trials on Alzheimer's Disease: The Biases of Frailty and Biological Aging.

Front Neurol. 2017 Nov 27;8:628.

Trebbastoni A, Canevelli M, **D'Antonio F**, Imbriano L, Podda L, Rendace L, Campanelli A, Celano V, Bruno G, de Lena C.

The Impact of Frailty on the Risk of Conversion from Mild Cognitive Impairment to Alzheimer's Disease: Evidences from a 5-Year Observational Study.

Front Med (Lausanne). 2017 Oct 23;4:178.

Babiloni C., Del Percio C., Lizio R., Noce G., Cordone S., Lopez S., Soricelli A., Ferri R., Pascarelli M.T., Nobili F., Arnaldi D., Aarsland D., Orzi F., Buttinelli C., Giubilei F., Onofri M., Stocchi F., Stirpe P., Fuhr P., Gschwandtner U., Ransmayr G., Caravias G., Garn H., Sorpresi F., Pievani M., **D'Antonio F**, De Lena C., Güntekin B., Hanoğlu L., Başar E., Yener G., Emek-Savaş D.D., Triggiani A.I., Franciotti R., Frisoni G.B., Bonanni L.

Abnormalities of Cortical Neural Synchronization Mechanisms in Subjects with Mild Cognitive Impairment due to Alzheimer's and Parkinson's Diseases: An EEG Study.

J Alzheimers Dis. 2017;59(1):339-358.

Canevelli M., Valletta M., Trebbastoni A., Sarli G., **D'Antonio F**, Taricotti L., de Lena C., Bruno G.

Sundowning in dementia: clinical relevance, pathophysiological determinants, and therapeutic approaches.

Front Med (Lausanne). 2016 Dec 27;3:73.

D'Antonio F, Imbriano L., Campanelli A., de Lena C, Trebbastoni.

Progressive language impairment in an English-Italian bilingual woman with Alzheimer's disease: an eighteen-month follow-up.

Alzheimer Dis Assoc Disord 2016 Oct-Dec;30(4):354-356.

Reeves S, Bertrand J, **D'Antonio F**, McLachlan E, Nair A, Brownings S, Greaves S, Smith A, Taylor D, Howard R.
A population approach to characterise amisulpride pharmacokinetics in older people and Alzheimer's disease.
Psychopharmacology (Berl). 2016 Sep;233(18):3371-81.

Trebbastoni, A., **D'Antonio F.**, Bruscolini A., Marcelli M., Cecere M., Campanelli A., Imbriano L., de Lena C., Gharbiya M.
Retinal nerve fibre layer thickness changes in Alzheimer's disease: results from a 12-month prospective case series
Neurosci Lett. 2016 Aug 26;629:165-70.

Campanelli A., Rendace L., Parisi F., **D'Antonio F.**, Imbriano L., de Lena C., Trebbastoni A.
Musical cognition in Alzheimer's disease: application of the Montreal Battery of Evaluation of Amusia (MBEA)
Ann N Y Acad Sci. 2016 Jul;1375(1):28-37.

Trebbastoni A., Pichiorri, F. **D'Antonio F.**, Campanelli, A. Onesti M., Ceccanti, M. de Lena C., Inghilleri M.
Altered cortical synaptic plasticity to 5-Hz repetitive transcranial magnetic stimulation as a new electrophysiological finding in amnesic mild cognitive impairment converting to Alzheimer's disease: results from a four-years longitudinal observational study.
Front Aging Neurosci. 2016 Jan 12;7:253

Trebbastoni A, **D'Antonio F**, de Lena C, Onesti E, John B, Inghilleri M.
Primary Progressive Orofacial Apraxia: A Ten-Year Long Follow-Up Case Report.
J Alzheimers Dis. 2016 Oct 4;54(3):1039-1045.

Gharbiya M., Trebbastoni A., Parisi F., Cruciani F., **D'Antonio F.**, De Vico U., Imbriano L., Campanelli A., de Lena C.
Choroidal thinning as a new potential biomarker in Alzheimer's disease: evidences from enhanced depth imaging spectral domain optical coherence tomography.
J Alzheimers Dis. 2014;40(4):907-17

Trebbastoni A, **D'Antonio F**, Biasiotta A, Fiorelli M, de Lena C.
Diffusion tensor imaging (DTI) study of a trigeminal neuralgia due to large venous angioma.
Neurol Sci. 2013 Mar;34(3):397-9.

Trebbastoni A, Gilio F, **D'Antonio F**, Cambieri C, Ceccanti M, de Lena C, Inghilleri M.
Chronic treatment with rivastigmine in patients with Alzheimer's disease: A study on primary motor cortex excitability tested by 5Hz-repetitive transcranial magnetic stimulation.
Neurophysiol. 2012 May;123(5):902-9.

Congress presentations

"Time processing in mild cognitive impairment and Alzheimer's disease: evidence from somatosensory temporal discrimination threshold study"
F. D'Antonio, A. Trebbastoni, Francesca N. Cortese, S. Amicarelli, G. Ferrazzano, A. Berardelli, C. de Lena, A. Conte.
Alzheimer's Association International Conference on Alzheimer's Disease, Chicago 22/26 July 2018.
Alzheimers & Dementia –Vol 14 (7) Suppl. P1190–P1191. doi.org/10.1016/j.jalz.2018.06.1648

"Impact of psychosis subtypes on disease progression in Alzheimer's disease: nonlinear mixed effect (NLME) modelling of Alzheimer's Disease Neuroimaging Initiative (ADNI2) data." D'Antonio F., Reeves S., Sheng Y., de Lena C., Howard R.J., Bertrand J. Alzheimer's Association International Conference on Alzheimer's Disease, London 16/20 July 2017. Alzheimers & Dementia –Vol 13 (7) Suppl. P1064–P1065. DOI: 10.1016/j.jalz.2017.06.1523

"Visual hallucinations and executive dysfunction in Charles Bonnet syndrome. Preliminary findings from SHAPED." D. ffytche, F. D'Antonio, R. Pinto, D. Collerton, J.P. Taylor, D. J. Roger Barker, D. Aarsland, R. Howard. Movement Disorders Society meeting in Berlin (2016, June 19th – 23rd)

"Effect of psychotic subtypes on cognitive trajectories in Alzheimer's disease Neuroimaging Initiative ADNI2." D'Antonio F., Bertrand J., Sheng Y., Howard R., Reeves S. Congress of the Italian Neurological Society for Dementia, March 2016. Journal of Alzheimers Disease

"Pain-related cortex function in patients with Alzheimer's Disease. Preliminary results". D'Antonio F., Trebbastoni A., Pepe A., Imbriano L., Campanelli A., Di Stefano G., Truini A., de Lena C. X Congresso Nazionale SINDem GENOVA 26/28 Marzo 2015.

"Progressive impairment of language in an English-Italian bilingual woman with a CSF-confirmed diagnosis of Alzheimer's disease (AD): evidences from an eighteen months-long follow-up". Imbriano L., D'Antonio F., Campanelli A., de Lena C., Trebbastoni A. X Congresso Nazionale SINDEM GENOVA 26/28 Marzo 2015.

"An unusual case of Alzheimer's disease with early onset: interest of CSF fluid biomarkers and PRNP genotype in the differential diagnosis". D'Antonio F., Trebbastoni A., Campanelli A., de Lena C. VIII Congresso Nazionale SINDem PERUGIA 13/15 Marzo 2013. Functional Neurology Functional Neurology CIC Edizioni Internazionali 2013 January-March; 28(1 Suppl. 2): 57. ISSN: 0393-5264, Published online 2013 June 19.

"Slowly progressive bucco-linguo-facial apraxia, another clinical expression of fronto-temporal lobar degeneration syndromes: a case report and a review of the literature". Trebbastoni A., D'Antonio F., Campanelli A., Scadaferri N., Iacovelli E., Gabriele M., Inghilleri M., Prencipe M., de Lena C.. Alzheimer's Association International Conference on Alzheimer's Disease, Parigi 17/21 Luglio 2011. Alzheimers & Dementia – ALZHEIMERS DEMENT. 01/2011;7(4). DOI:10.1016/J.Jalz.2011.05.2198.

Membership(s)

Italian Neurological Society for Dementia (SINDem)
Behavioural disorders group study for SINDem
Italian Neurological Society (SIN)
Italian Neuropsychological Society (SINP)
Alzheimer's Association ISTAART member PIA group of Neuropsychiatric Syndromes

Training course

SIN (Italian Neurological Society) training course: Neuroimaging 15-17 December 2011
Training course Phenomenological Psychopathology 2013