

PERSONAL INFORMATION Astrid Thomas

WORK EXPERIENCE

- 2002- Present **Ass Professor in Neurology**
Università G.DAnnunzio Chieti-Pescara (Italy)
Movement Disorder specialist out site Hospital clinic
Dementia disorders specialist
- 2000- 2002 **Assistant in Neurophysiopathology**
University Chieti (Italy)
Neurophysiopathology in dementia and movement disorders
Institute of advanced biomedical Technique (ITAB) dell'Università di Chieti for the development of stimuli for the research of the cognitive function (memory, vision,) with F-MRI

EDUCATION AND TRAINING

- 1997- 2001 **PhD (dottorato di ricerca) in Neurofisiologia: Basi Neuronal di funzioni cognitive superiori** l'Università La Sapienza, Roma
University La Sapienza Rome (Italy)
Neurofisiologia: Basi Neuronal di funzioni cognitive superiori
- 1996- **- Specialist in Neurology cum laude**
University Chieti (Italy)
Dorsal Simultanagnosia
- 1996- **- Internship at the Laboratory of Neurophysiopathology, State University G.DAnnunzio Chieti, (Italy). Supervisor: Prof. M. Onofri, MD**
University Chieti (Italy)
experimental neurophysiopathology (EEG, Evoked Potentials, Brain mapping, cognitive neuroscience)
- 1996- **Residency in Neurology, State University G.DAnnunzio Chieti, (Italy)**
University Chieti (Italy)
- 1992- **Collaboration with the Department of Neurology, State University of Padova (Italy); Chairman: Prof. B. Tavalato, laboratory of neuroimmunology; Supervisor: C. Gallo, MD (Isoelettrofocusing CSF)**
University Chieti (Italy)
- 1992- **Medical board, Germany , Bundesärzterordnung**
Deutsche Ärztekammer Rheinland Palz (Germany)
- 1992- **- Post-doctoral internship in the Hospital Clinic for MS patients, Chairman: Prof. D. Gambi, MD**
University Chieti (Italy)

- 1992- [Medical registration number March 26 ,1992, 3457.](#)
University Chieti (Italy)
- 1991- [Medical board, State University G.DAnnunzio Chieti, \(Italy\)](#)
University Chieti (Italy)
: Multiple Sclerosis: lymphocytic activation
- 1991- [Medical Doctor degree State University G.DAnnunzio Chieti \(Italy\)](#)
UniversityUniversity Chieti (Italy)
- 1991- [- Pre-doctoral internship in the Department of Neurology; Chairman: Prof. D. Gambi, MD, State University G.DAnnunzio Chieti, \(Italy\)](#)
University Chieti (Italy)

ADDITIONAL INFORMATION

Expertise

Research Projects and Clinical Experience

My earliest clinical experience were with patients affected by Multiple Sclerosis: I worked in the laboratory of neuroimmunology, I was supervisor in our clinic of EDMUS and PRIMS database
EDMUS - European Database for Multiple Sclerosis 1992-1994, Supervisor: Prof. C. Confavreux, Lyon, (France)

PRIMS - Pregnancy in Multiple Sclerosis, 1993-1997, Supervisor Prof. C. Confavreux, Lyon, (France)

since 1993 I entered in the Studio Multicentrico, progetto 40%: methodology for data base EEG quantified and EP, supervisor Prof. Noè Battistini, Institute of Nervose and Mental Disease, University Siena, and Studio Multicentrico, progetto 60%: fisiopatologia, neuroscience and image technique, supported by National Council Research (Ministero dell'Università e della Ricerca Scientifica e Tecnologica) (div. X-00196-ROMA), equivalent to the American Datatop.

since may 98 STUDIO MULTIMODALE DELLE EPILESSIE FOCALI MEDIANTE IMAGING FUNZIONALE (MURST) coordinator Prof. Carlo Alberto Tassinari Clinica Neurologica dell'Università Bologna

since Settember 98 collaboration with the Institute of advanced biomedical Technique (ITAB) dell'Università di Chieti for the development of stimuli for the research of the cognitive function (memory, vision,) with F-MRI

since 2001 collaboration in the group of Prof. Onofrij in the Center of Excellence on Aging, CESI, University G.DAnnunzio

I made my clinical experience since 1992 in Basal Ganglia Disease, Epilepsy and Alzheimer Disease working in the laboratory of clinical and experimental neurophysiopathology of Prof. Marco Onofrij (EEG, Evoked Potentials, Brain mapping, cognitive neuroscience)

neurophysiological testing of patients affected by Alzheimers disease and Dementia

National Research Council, Italy, Study on Parkinsons Disease progression, 1994-

Evaluation of several drug research protocols in patients observed in the Department of Neurology, of the State University of G.DAnnunzio Italy

Author of 128 papers published on JCR quoted journals, of 22 chapters in international books

The drugs tested were:

Amisulpride, Apomorfina, Botox, babinazumab Cabergolina, CHF 1512, Citidina, Donepezil,

Duodopa, Entacapone, E2007, Felbamate, FP0011, FP0153, Galantamine, Impax, Istradefilina, Lamotrigina, Levitiracetam, Lisuride, L-Threo-Dops, Melperone, memantine, Nicergolina, Paroxetine, Paradupronox, Parampanel, Pergolide, Pramipexole, PXI 110253, Ralfinamide, Rasagelina, Rivastigmina, Ropinirole, Rosiglitazone, Rotigotina, Safinamide, Sarizotan, SCH 420814, SLV308, solinazumab Stalevo, Tau-Rx, TCH 346, Tolcapone, Topimarato, CTH-201, Neuroderm, several Bace inhibitors for Merk, Novartis Esai, Tozadenant, IPH11004, KW 6002, PXT-CL17, Preladenant since 1995 manage the ambulatory of Parkinsons Disease, Degenerative Disease (Alzheimer, PPA, PSP, LBD, CGBD etc.) and Epilepsy

trainer for Pharamstar and UBC ADAS-cog , ADL, CDR UPDRS, MMSE (Novartis , GSK)

trainer for Bracket in PD and AD experimental trails since 2015-present

teaching experience students/residencies at the University, Residency, post doctoral research groups and Neurologist The main topics are EEG and evoked potentials: technique and clinical applications, degenerative diseases as Parkinsons Disease, Alzheimer Disease, PPA, PSP, LBD, CBD , epilepsy, cognitive evaluation with specific tests

1996 collaboration in the national protocol Episcreen observation of Epilepsy in Italy, Center 147, supervisor Prof. M. Onofrj

February Assistant in the Neurophysiology Service, Dep. of Oncology and Neuroscience University G. DAnnunzio - Pescara regional hospital, 2000-2008

Ph.D in Neuroscience Feb. 2001, University La Sapienza Rome in Neuroscience, superior cognitive function

2008-present coordinator outpatient clinic for Movement disorders and Dementia , University Chieti Pescara, Institute of Neurology

Referee:

Movement Disorders Journal

Medicine

JNNP

Publications

- 1: Carrarini C, Russo M, Dono F, Di Pietro M, Rispoli MG, Di Stefano V, Ferri L, Barbone F, Vitale M, Thomas A, Sensi SL, Onofrj M, Bonanni L. A Stage-Based Approach to Therapy in Parkinson's Disease. *Biomolecules*. 2019 Aug 20;9(8):388. doi: 10.3390/biom9080388. PMID: 31434341; PMCID: PMC6723065.
- 2: Quadri M, Mandemakers W, Grochowska MM, Masius R, Geut H, Fabrizio E, Breedveld GJ, Kuipers D, Minneboo M, Vergouw LJM, Carreras Mascaro A, Yonova-Doing E, Simons E, Zhao T, Di Fonzo AB, Chang HC, Parchi P, Melis M, Correia Guedes L, Criscuolo C, Thomas A, Brouwer RWW, Heijnsman D, Ingrassia AMT, Calandra Buonauro G, Rood JP, Capellari S, Rozemuller AJ, Sarchioto M, Fen Chien H, Vanacore N, Olgiati S, Wu-Chou YH, Yeh TH, Boon AJW, Hoogers SE, Ghazvini M, Ijma AS, van IJcken WFJ, Onofrj M, Barone P, Nicholl DJ, Puschmann A, De Mari M, Kievit AJ, Barbosa E, De Michele G, Majoor-Krakauer D, van Swieten JC, de Jong FJ, Ferreira JJ, Cossu G, Lu CS, Meco G, Cortelli P, van de Berg WDJ, Bonifati V; International Parkinsonism Genetics Network. LRP10 genetic variants in familial Parkinson's disease and dementia with Lewy bodies: a genome-wide linkage and sequencing study. *Lancet Neurol*. 2018 Jul;17(7):597-608. doi: 10.1016/S1474-4422(18)30179-0. Epub 2018 Jun 7. Erratum in: *Lancet Neurol*. 2020 Feb;19(2):e2. PMID: 29887161.
- 3: Onofrj M, Carrozzino D, D'Amico A, Di Giacomo R, Delli Pizzi S, Thomas A, Onofrj V, Taylor JP, Bonanni L. Psychosis in parkinsonism: an unorthodox approach. *Neuropsychiatr Dis Treat*. 2017 May 16;13:1313-1330. doi: 10.2147/NDT.S116116. PMID: 28553118; PMCID: PMC5439966.
- 4: O'Dowd S, Schumacher J, Burn DJ, Bonanni L, Onofrj M, Thomas A, Taylor JP. Fluctuating cognition in the Lewy body dementias. *Brain*. 2019 Nov 1;142(11):3338-3350. doi: 10.1093/brain/awz235. PMID: 31411317.
- 5: O'Brien J, Taylor JP, Ballard C, Barker RA, Bradley C, Burns A, Collerton D,

Dave S, Dudley R, Francis P, Gibbons A, Harris K, Lawrence V, Leroi I, McKeith I, Michaelides M, Naik C, O'Callaghan C, Olsen K, Onofrj M, Pinto R, Russell G, Swann P, Thomas A, Urwyler P, Weil RS, Ffytche D. Visual hallucinations in neurological and ophthalmological disease: pathophysiology and management. *J Neurol Neurosurg Psychiatry*. 2020 May;91(5):512-519. doi: 10.1136/jnnp-2019-322702. Epub 2020 Mar 25. PMID: 32213570; PMCID: PMC7231441.

6: Carrozzino D, Bech P, Patierno C, Onofrj M, Morberg BM, Thomas A, Bonanni L, Fulcheri M. Somatization in Parkinson's Disease: A systematic review. *Prog Neuropsychopharmacol Biol Psychiatry*. 2017 Aug 1;78:18-26. doi: 10.1016/j.pnpbp.2017.05.011. Epub 2017 May 15. PMID: 28522290.

7: Morandi A, Zambon A, Di Santo SG, Mazzone A, Cherubini A, Mossello E, Bo M, Marengoni A, Bellelli G; Italian Study Group on Delirium (ISGoD). Understanding Factors Associated With Psychomotor Subtypes of Delirium in Older Inpatients With Dementia. *J Am Med Dir Assoc*. 2020 Apr;21(4):486-492.e7. doi: 10.1016/j.jamda.2020.02.013. PMID: 32241566.

8: Ciccocioppo F, Lanuti P, Pierdomenico L, Simeone P, Bologna G, Ercolino E, Buttari F, Fantozzi R, Thomas A, Onofrj M, Centonze D, Miscia S, Marchisio M. The Characterization of Regulatory T-Cell Profiles in Alzheimer's Disease and Multiple Sclerosis. *Sci Rep*. 2019 Jun 19;9(1):8788. doi: 10.1038/s41598-019-45433-3. PMID: 31217537; PMCID: PMC6584558.

9: Monaco D, Berg D, Thomas A, Di Stefano V, Barbone F, Vitale M, Ferrante C, Bonanni L, Di Nicola M, Garzarella T, Marchionno LP, Malferrari G, Di Mascio R, Onofrj M, Franciotti R. The predictive power of transcranial sonography in movement disorders: a longitudinal cohort study. *Neurol Sci*. 2018 Nov;39(11):1887-1894. doi: 10.1007/s10072-018-3514-z. Epub 2018 Aug 7. PMID: 30088164.

10: Petrucci S, Ginevrino M, Trezzi I, Monfrini E, Ricciardi L, Albanese A, Avenali M, Barone P, Bentivoglio AR, Bonifati V, Bove F, Bonanni L, Brusa L, Cereda C, Cossu G, Crisculo C, Dati G, De Rosa A, Eleopra R, Fabbrini G, Fadda L, Garbellini M, Minafra B, Onofrj M, Pacchetti C, Palmieri I, Pellecchia MT, Petracca M, Picillo M, Pisani A, Vallelunga A, Zangaglia R, Di Fonzo A, Morgante F, Valente EM; ITA-GENE-PD Study Group. GBA-Related Parkinson's Disease: Dissection of Genotype-Phenotype Correlates in a Large Italian Cohort. *Mov Disord*. 2020 Nov;35(11):2106-2111. doi: 10.1002/mds.28195. Epub 2020 Jul 13. PMID: 32658388.

11: Bonanni L, Cagnin A, Agosta F, Babiloni C, Borroni B, Bozzali M, Bruni AC, Filippi M, Galimberti D, Monastero R, Muscio C, Parnetti L, Perani D, Serra L, Silani V, Tiraboschi P, Padovani A; DLB-SINdem study group. The Italian dementia with Lewy bodies study group (DLB-SINdem): toward a standardization of clinical procedures and multicenter cohort studies design. *Neurol Sci*. 2017 Jan;38(1):83-91. doi: 10.1007/s10072-016-2713-8. Epub 2016 Sep 13. PMID: 27624723.

12: Law ZK, Todd C, Mehraram R, Schumacher J, Baker MR, LeBeau FEN, Yarnall A, Onofrj M, Bonanni L, Thomas A, Taylor JP. The Role of EEG in the Diagnosis, Prognosis and Clinical Correlations of Dementia with Lewy Bodies-A Systematic Review. *Diagnostics (Basel)*. 2020 Aug 20;10(9):616. doi: 10.3390/diagnostics10090616. PMID: 32825520; PMCID: PMC7555753.

13: Bonanni L, Franciotti R, Martinotti G, Vellante F, Flacco ME, Di Giannantonio M, Thomas A, Onofrj M. Post Traumatic Stress Disorder heralding the Onset of Semantic Frontotemporal Dementia. *J Alzheimers Dis*. 2018;63(1):203-215. doi: 10.3233/JAD-171134. PMID: 29614666; PMCID: PMC5900559.

1: Monaco D, Berg D, Thomas A, Di Stefano V, Barbone F, Vitale M, Ferrante C, Bonanni L, Di Nicola M, Garzarella T, Marchionno LP, Malferrari G, Di Mascio R,

Onofrj M, Franciotti R. The predictive power of transcranial sonography in movement disorders: a longitudinal cohort study. *Neurol Sci.* 2018 Nov;39(11):1887-1894. doi: 10.1007/s10072-018-3514-z. Epub 2018 Aug 7. PubMed PMID: 30088164.

2: Quadri M, Mandemakers W, Grochowska MM, Masius R, Geut H, Fabrizio E, Breedveld GJ, Kuipers D, Minneboo M, Vergouw LJM, Carreras Mascaro A, Yonova-Doing E, Simons E, Zhao T, Di Fonzo AB, Chang HC, Parchi P, Melis M, Correia Guedes L, Criscuolo C, Thomas A, Brouwer RWW, Heijmans D, Ingrassia AMT, Calandra Buonauro G, Rood JP, Capellari S, Rozemuller AJ, Sarchioto M, Fen Chien H, Vanacore N, Olgiati S, Wu-Chou YH, Yeh TH, Boon AJW, Hoogers SE, Ghazvini M, IJpma AS, van IJcken WFJ, Onofrj M, Barone P, Nicholl DJ, Puschmann A, De Mari M, Kievit AJ, Barbosa E, De Michele G, Majoor-Krakauer D, van Swieten JC, de Jong FJ, Ferreira JJ, Cossu G, Lu CS, Meco G, Cortelli P, van de Berg WDJ, Bonifati V; International Parkinsonism Genetics Network. LRP10 genetic variants in familial Parkinson's disease and dementia with Lewy bodies: a genome-wide linkage and sequencing study. *Lancet Neurol.* 2018 Jul;17(7):597-608. doi: 10.1016/S1474-4422(18)30179-0. Epub 2018 Jun 7. PubMed PMID: 29887161.

3: Bonanni L, Franciotti R, Martinotti G, Vellante F, Flacco ME, Di Giannantonio M, Thomas A, Onofrj M. Post Traumatic Stress Disorder heralding the onset of Semantic Frontotemporal Dementia. *J Alzheimers Dis.* 2018;63(1):203-215. doi: 10.3233/JAD-171134. PubMed PMID: 29614666; PubMed Central PMCID: PMC5900559.

4: Onofrj M, Carrozzino D, D'Amico A, Di Giacomo R, Delli Pizzi S, Thomas A, Onofrj V, Taylor JP, Bonanni L. Psychosis in parkinsonism: an unorthodox approach. *Neuropsychiatr Dis Treat.* 2017 May 16;13:1313-1330. doi: 10.2147/NDT.S116116. eCollection 2017. Review. PubMed PMID: 28553118; PubMed Central PMCID: PMC5439966.

5: Carrozzino D, Bech P, Patierno C, Onofrj M, Morberg BM, Thomas A, Bonanni L, Fulcheri M. Somatization in Parkinson's Disease: A systematic review. *Prog Neuropsychopharmacol Biol Psychiatry.* 2017 Aug 1;78:18-26. doi: 10.1016/j.pnpbp.2017.05.011. Epub 2017 May 15. Review. PubMed PMID: 28522290.

6: Bonanni L, Cagnin A, Agosta F, Babiloni C, Borroni B, Bozzali M, Bruni AC, Filippi M, Galimberti D, Monastero R, Muscio C, Parnetti L, Perani D, Serra L, Silani V, Tiraboschi P, Padovani A; DLB-SINdem study group. The Italian dementia with Lewy bodies study group (DLB-SINdem): toward a standardization of clinical procedures and multicenter cohort studies design. *Neurol Sci.* 2017 Jan;38(1):83-91. doi: 10.1007/s10072-016-2713-8. Epub 2016 Sep 13. PubMed PMID: 27624723.

7: Bonanni L, Di Giacomo R, D'Amico A, Frazzini V, Franciotti R, Manzoli L, Thomas A, Onofrj M. Akinetic crisis in dementia with Lewy bodies. *J Neurol Neurosurg Psychiatry.* 2016 Oct;87(10):1123-6. doi: 10.1136/jnnp-2015-312914. Epub 2016 Apr 11. PubMed PMID: 27068351.

8: Delli Pizzi S, Franciotti R, Bubbico G, Thomas A, Onofrj M, Bonanni L. Atrophy of hippocampal subfields and adjacent extrahippocampal structures in dementia with Lewy bodies and Alzheimer's disease. *Neurobiol Aging.* 2016 Apr;40:103-109. doi: 10.1016/j.neurobiolaging.2016.01.010. Epub 2016 Jan 22. PubMed PMID: 26973109.

1: Tinazzi M, Fasano A, Geroin C, Morgante F, Ceravolo R, Rossi S, Thomas A, Fabbrini G, Bentivoglio A, Tamma F, Cossu G, Modugno N, Zappia M, Volontè MA, Dallochio C, Abbruzzese G, Pacchetti C, Marconi R, Defazio G, Canesi M, Cannas A, Pisani A, Mirandola R, Barone P, Vitale C; Italian Pisa Syndrome Study Group. Pisa syndrome in Parkinson disease: An observational multicenter Italian study. *Neurology*. 2015 Nov 17;85(20):1769-79. doi: 10.1212/WNL.0000000000002122. Epub 2015 Oct 21. PubMed PMID: 26491088.

1: Quadri M, Mandemakers W, Grochowska MM, Masius R, Geut H, Fabrizio E, Breedveld GJ, Kuipers D, Minneboo M, Vergouw LJM, Carreras Mascaro A, Yonova-Doing E, Simons E, Zhao T, Di Fonzo AB, Chang HC, Parchi P, Melis M, Correia Guedes L, Criscuolo C, Thomas A, Brouwer RWW, Heijnsman D, Ingrassia AMT, Calandra Buonauro G, Rood JP, Capellari S, Rozemuller AJ, Sarchioto M, Fen Chien H, Vanacore N, Olgiati S, Wu-Chou YH, Yeh TH, Boon AJW, Hoogers SE, Ghazvini M, IJpma AS, van IJcken WFJ, Onofrj M, Barone P, Nicholl DJ, Puschmann A, De Mari M, Kievit AJ, Barbosa E, De Michele G, Majoor-Krakauer D, van Swieten JC, de Jong FJ, Ferreira JJ, Cossu G, Lu CS, Meco G, Cortelli P, van de Berg WDJ, Bonifati V; International Parkinsonism Genetics Network. LRP10 genetic variants in familial Parkinson's disease and dementia with Lewy bodies: a genome-wide linkage and sequencing study. *Lancet Neurol*. 2018 Jul;17(7):597-608. doi: 10.1016/S1474-4422(18)30179-0. Epub 2018 Jun 7. PubMed PMID: 29887161.

2: Quadri M, Breedveld GJ, Chang HC, Yeh TH, Guedes LC, Toni V, Fabrizio E, De Mari M, Thomas A, Tassorelli C, Rood JP, Saddi V, Chien HF, Kievit AJ, Boon AJ, Stocchi F, Lopiano L, Abbruzzese G, Cortelli P, Meco G, Cossu G, Barbosa ER, Ferreira JJ; International Parkinsonism Genetics Network, Lu CS, Bonifati V. Mutations in TMEM230 are not a common cause of Parkinson's disease. *Mov Disord*. 2017 Feb;32(2):302-304. doi: 10.1002/mds.26900. Epub 2017 Jan 16. PubMed PMID: 28090676.

3: Di Fonzo A, Fabrizio E, Thomas A, Fincati E, Marconi R, Tinazzi M, Breedveld GJ, Simons EJ, Chien HF, Ferreira JJ, Horstink MW, Abbruzzese G, Borroni B, Cossu G, Dalla Libera A, Fabbrini G, Guidi M, De Mari M, Lopiano L, Martignoni E, Marini P, Onofrj M, Padovani A, Stocchi F, Toni V, Sampaio C, Barbosa ER, Meco G; Italian Parkinson Genetics Network, Oostra BA, Bonifati V. GIGYF2 mutations are not a frequent cause of familial Parkinson's disease. *Parkinsonism Relat Disord*. 2009 Nov;15(9):703-5. doi: 10.1016/j.parkreldis.2009.05.001. Epub 2009 May 31. PubMed PMID: 19482505.

2: Stocchi F, Antonini A, Barone P, Tinazzi M, Zappia M, Onofrj M, Ruggieri S, Morgante L, Bonuccelli U, Lopiano L, Pramstaller P, Albanese A, Attar M, Posocco V, Colombo D, Abbruzzese G; DEEP study group. Early DEtection of wEaring off in Parkinson disease: the DEEP study. *Parkinsonism Relat Disord*. 2014 Feb;20(2):204-11. doi: 10.1016/j.parkreldis.2013.10.027. Epub 2013 Nov 5. Erratum in: *Parkinsonism Relat Disord*. 2015 Jul;21(7):827. PubMed PMID: 24275586.

9: Delli Pizzi S, Franciotti R, Taylor JP, Esposito R, Tartaro A, Thomas A, Onofrj M, Bonanni L. Structural Connectivity is Differently Altered in Dementia with Lewy Body and Alzheimer's Disease. *Front Aging Neurosci*. 2015 Nov 2;7:208. doi: 10.3389/fnagi.2015.00208. eCollection 2015. PubMed PMID: 26578952; PubMed Central PMCID: PMC4629464.

10: Onofrj M, Bonanni L, Delli Pizzi S, Caulo M, Onofrj V, Thomas A, Tartaro A, Franciotti R. Cortical Activation During Levitation and Tentacular Movements of Corticobasal Syndrome. *Medicine (Baltimore)*. 2015 Nov;94(45):e1977. doi: 10.1097/MD.0000000000001977. PubMed PMID: 26559277; PubMed Central PMCID:

PMC4912271.

11: Capasso M, De Angelis MV, Di Muzio A, Anzellotti F, Bonanni L, Thomas A, Onofrj M. Critical Illness Neuromyopathy Complicating Akinetic Crisis in Parkinsonism: Report of 3 Cases. *Medicine (Baltimore)*. 2015 Jul;94(28):e11118. doi: 10.1097/MD.0000000000001118. PubMed PMID: 26181547; PubMed Central PMCID: PMC4617089.

12: Franciotti R, Delli Pizzi S, Perfetti B, Tartaro A, Bonanni L, Thomas A, Weis L, Biundo R, Antonini A, Onofrj M. Default mode network links to visual hallucinations: A comparison between Parkinson's disease and multiple system atrophy. *Mov Disord*. 2015 Aug;30(9):1237-47. doi: 10.1002/mds.26285. Epub 2015 Jun 12. PubMed PMID: 26094856.

13: Olgiati S, Thomas A, Quadri M, Breedveld GJ, Graafland J, Eussen H, Douben H, de Klein A, Onofrj M, Bonifati V. Early-onset parkinsonism caused by alpha-synuclein gene triplication: Clinical and genetic findings in a novel family. *Parkinsonism Relat Disord*. 2015 Aug;21(8):981-6. doi: 10.1016/j.parkreldis.2015.06.005. Epub 2015 Jun 9. PubMed PMID: 26077166.

14: Erskine D, Taylor JP, Firbank MJ, Patterson L, Onofrj M, O'Brien JT, McKeith IG, Attems J, Thomas AJ, Morris CM, Khundakar AA. Changes to the lateral geniculate nucleus in Alzheimer's disease but not dementia with Lewy bodies. *Neuropathol Appl Neurobiol*. 2016 Jun;42(4):366-76. doi: 10.1111/nan.12249. Epub 2015 Jun 2. PubMed PMID: 25967384; PubMed Central PMCID: PMC4913748.

15: Martino G, Capasso M, Nasuti M, Bonanni L, Onofrj M, Thomas A. Dopamine transporter single-photon emission computerized tomography supports diagnosis of akinetic crisis of parkinsonism and of neuroleptic malignant syndrome. *Medicine (Baltimore)*. 2015 Apr;94(13):e649. doi: 10.1097/MD.0000000000000649. PubMed PMID: 25837755; PubMed Central PMCID: PMC4554017.

16: Delli Pizzi S, Franciotti R, Taylor JP, Thomas A, Tartaro A, Onofrj M, Bonanni L. Thalamic Involvement in Fluctuating Cognition in Dementia with Lewy Bodies: Magnetic Resonance Evidences. *Cereb Cortex*. 2015 Oct;25(10):3682-9. doi: 10.1093/cercor/bhu220. Epub 2014 Sep 26. PubMed PMID: 25260701; PubMed Central PMCID: PMC4585510.

17: Bonanni L, Perfetti B, Bifulchetti S, Taylor JP, Franciotti R, Parnetti L, Thomas A, Onofrj M. Quantitative electroencephalogram utility in predicting conversion of mild cognitive impairment to dementia with Lewy bodies. *Neurobiol Aging*. 2015 Jan;36(1):434-45. doi: 10.1016/j.neurobiolaging.2014.07.009. Epub 2014 Jul 15. PubMed PMID: 25129239; PubMed Central PMCID: PMC4270449.

18: Delli Pizzi S, Maruotti V, Taylor JP, Franciotti R, Caulo M, Tartaro A, Thomas A, Onofrj M, Bonanni L. Relevance of subcortical visual pathways disruption to visual symptoms in dementia with Lewy bodies. *Cortex*. 2014 Oct;59:12-21. doi: 10.1016/j.cortex.2014.07.003. Epub 2014 Jul 22. PubMed PMID: 25113955.

19: Cera N, Bifulchetti S, Martinotti G, Gambi F, Sepede G, Onofrj M, Di Giannantonio M, Thomas A. Amantadine and cognitive flexibility: decision making in Parkinson's patients with severe pathological gambling and other impulse

control disorders. *Neuropsychiatr Dis Treat*. 2014 Jun 17;10:1093-101. doi: 10.2147/NDT.S54423. eCollection 2014. PubMed PMID: 24971012; PubMed Central PMCID: PMC4069151.

20: Anzellotti F, Franciotti R, Zhuzhuni H, D'Amico A, Thomas A, Onofrj M. Nonepileptic seizures under levetiracetam therapy: a case report of forced normalization process. *Neuropsychiatr Dis Treat*. 2014 May 23;10:959-64. doi: 10.2147/NDT.S60089. eCollection 2014. PubMed PMID: 24926197; PubMed Central PMCID: PMC4049430.

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- Projects**
- EDMUS - European Database for Multiple Sclerosis 1992-1994, Supervisor: Prof. C. Confavreux, Lyon, (France)
 - PRIMS - Pregnancy in Multiple Sclerosis, 1993-1997, Supervisor Prof. C. Confavreux, Lyon, (France)
 - since 1993 I entered in the Studio Multicentrico, progetto 40%: methodology for data base EEG quantified and EP, supervisor Prof. Noè Battistini, Institute of Nervous and Mental Disease, University Siena, and Studio Multicentrico, progetto 60%: fisiopatologia, neuroscience and image technique, supported by National Council Research (Ministero dell'Università e della Ricerca Scientifica e Tecnologica) (div. X-00196-ROMA), equivalent to the American Datatop.
 - ADESIONE BANDO 2004
 - Coordinatore Scientifico del Programma di Ricerca: GAMBI Domenico
 - Titolo del Programma di Ricerca: "Meccanismi biologici e molecolari nella malattia di Alzheimer"
 - Responsabile Scientifico dell'unità di Ricerca: GAMBI Domenico
 - Titolo dell'Unità di Ricerca: INFLUENZA DELLA DISOMEOSTASI DEL CALCIO E DELLA SECREZIONE DI CITOCHINE NELLA MALATTIA DI ALZHEIMER PRIN 2004
 - since may 98 STUDIO MULTIMODALE DELLE EPILESSIE FOCALI MEDIANTE IMAGING FUNZIONALE (MURST) coordinator Prof. Carlo Alberto Tassinari Clinica Neurologica dell'Università Bologna
 - since September 98 collaboration with the Institute of advanced biomedical Technique (ITAB) dell'Università di Chieti for the development of stimuli for the research of the cognitive function (memory, vision,) with F-MRI
 - since 2001 collaboration in the group of Prof. Onofri in the Center of Excellence on Aging, CESI, University G.D'Annunzio

- Memberships**
- SINC 1994-1998 (Italian society of clinical neurophysiopathology)
 - Limpe since 1996 (Italian society of Parkinsons Disease and related disorders)
 - SINDEM since 2007-present
 - SIN since 2008-present
 - LICE since 1996 (Italian Epilepsy Society)
 - Movement Disorders Society since 2000
 - EAN since 2004-present member of the Movement Disorder sub-committee
 - EAN substitute Delegate 2015-2016-2017-2018

- Other Relevant Information**
- mother tongue german
 - fluent italian language: certified maximum level at the Italian Language School Michelangelo Florence
 - adequate english knowledge (upper level), certified by: University of St. Andrews Scotland
 - working knowledge of VEP, BAEP, ERP, Brain Mapping, UPDRS, EDSS (Kurtzke), isoelettrofocusing, new image technique (SPECT, MRI, fMRI), dementia assessment (MMSE, NPI, ADAS-cog., GBS, CDR, IADL, ADL, BDS, ICS, HDRS, RSS, BIMIC, CIBIC-plus, CGIC, KEFS, Mattis CSSSR)