

## Short CV english

Born in Salerno (Italy) on march 14th, 1976.

### EDUCATION

1994-2002: Degree in Medicine and Surgery at University of Bologna, Italy; final mark: 110/110 cum laude; dissertation title: "La mano al viso: un comportamento modulato dalle crisi epilettiche" [Face wiping: a behaviour modulated by epileptic seizures]

2002-2007: Residency program in Neurology at University of Bologna, Italy; final mark: 70/70 cum laude; dissertation title: "Ruolo dell'amigdala nella percezione e nel riconoscimento delle emozioni espresse dal volto: aspetti clinici e registrazioni intracerebrali nell'Uomo" [The role of the amygdala in facial emotional expressions recognition: clinical aspects and intracerebral recordings in humans]

2008-2013: Residency program in Child Neuropsychiatry at the University of Parma, Italy; final mark: 70/70 cum laude; dissertation title: "Riconoscimento delle espressioni facciali delle emozioni in bambini con pregresse convulsioni febbrili" [Facial emotional expressions recognition in children with history of febrile seizures]

### ADDITIONAL TRAINING

2003: "5th EUREPA Course - 16° Corso di base in epilettologia", Gargnano (BS) - Italy.

2009: "EGI International Summer School on High-density EEG recordings and signal analysis", Verona - Italy.

2017: Advanced training course "Corso di Alta Formazione Universitario: Disturbi del movimento nel bambino - nuove acquisizioni scientifiche e strategie diagnostiche", Sapienza University of Rome -Italy

### WORK EXPERIENCE

Since December 2011: Assistant Professor in Child Neuropsychiatry, University of Verona.

Since may 2013: Staff Physician at Child Neuropsychiatry Unit, University-Hospital of Verona.

### AWARDS FOR SCIENTIFIC ACHIEVEMENTS

- 2006: "Premio di Cultura per Meriti Scientifici" [cultural award for scientific achievements] of Lega Italiana Contro l'Epilessia [Italian League Against Epilepsy] at the National Annual LICE Congress, Pisa – Italy, for the contribution: Cantalupo G, Stanzani-Maserati M, Meletti S, Rubboli G, Tassinari CA. Aspetti clinici del miocloni negativo epilettico. [clinical features of epileptic negative myoclonus].
- 2006: "Premio per il miglior poster" [best poster award] at the National Annual Congress of the Società Italiana di Neurofisiologia Clinica (SINC) [Italian Society of Clinical Neurophysiology], Turin – Italy, for the contribution: Cantalupo G, Mai R, Vedovello M, Alessandria M, Tassinari CA, Tassi L, Lo Russo G, Meletti S. Potenziali evento-correlati intracranici registrati dal giro fusiforme in risposta a volti e parti di volto con espressione di paura e felicità. [Intracranial event-related potential from fusiform gyrus in response to faces and face parts expressing fear and happiness].
- 2008 "European Chapter IFCN Travel Grant" at the "European Congress of Clinical Neurophysiology", Istanbul - Turkey (4th-8th may 2008), for the contribution: Cantalupo G, Mai R, Benuzzi F, Nichelli P, Russo GL, Tassinari CA, Meletti S. Amygdala and fusiform gyrus responsivity to emotional faces and face parts: an intracerebral event-related potential study.
- 2009: "American Academy of Neurology International Scholarship Award" at the "2009 American Academy of Neurology Annual Meeting", Seattle, Washington - USA (25th april – 2nd may 2009) for the contribution: Cantalupo G, Benuzzi F, Rubboli G, Tassinari CA, Nichelli P, Meletti S. Impairment in Decoding Eye-Region Emotional Content in Mesial Temporal Lobe Epilepsy.
- 2010 "ECE Travel Bursary" at the "9th European Congress on Epileptology", Rhodes - Greece (27th june – 1st july 2010) for the contribution: Cantalupo G, Meletti S, Mazzotta S, Miduri A, Benuzzi F, Rios-Pohl L, Pisani F, Tassinari CA and Cossu G. Facial emotion recognition in children with history of febrile seizures.

CLINICAL TRIALS (conducted according to GCP guidelines)

2014-2017: Investigator (Study Coordinator) for the international trial UCUSPX69-SP0969.

2015-ongoing: Sub-Investigator for the international trial EP0034.

2015-ongoing: Principal Investigator (and Italian Coordinator) for the international trial SP0967.

#### PUBLICLY FUNDED RESEARCH

2013-ongoing: collaborator for the project D.E.S.I.R.E. (Development and Epilepsy - Strategies for Innovative Research to improve diagnosis, prevention and treatment in children with difficult to treat Epilepsy), international project funded by European Commission - FP7-HEALTH. Project ID: 602531.

#### PUBLICATIONS ON INTERNATIONAL SCIENTIFIC JOURNALS

-Mariotto et al. Clinical spectrum and IgG subclass analysis of anti-myelin oligodendrocyte glycoprotein antibody-associated syndromes: a multicenter study. *J Neurol.* 2017;264(12):2420-2430.

-Zaffanello M, Lo Tartaro P, Piacentini G, Cantalupo G, Gasperi E, Antoniazzi F. Sleep disordered breathing in a cohort of children with achondroplasia: correlation between clinical and instrumental findings. *Minerva Pediatr.* 2017;69(6):481-488.

-Pisani et al. A 15-year epileptogenic period after perinatal brain injury. *Funct Neurol.* 2017;32(1):49-53

-Antelmi et al. The spectrum of rapid-eye-movement sleep related episodes in children with type 1 Narcolepsy. *Brain.* 2017;140(6):1669-1679.

-Masson et al. Early-onset head titubation in a child with Poretti-Boltshauser syndrome. *Neurology.* 2017;88(15):1478-1479.

-Vaudano et al. Photosensitive epilepsy is associated with reduced inhibition of alpha rhythm generating networks. *Brain.* 2017;140(4):981-997.

-Pellegrin et al. EEG findings during "paroxysmal hemiplegia" in a patient with GLUT1-deficiency. *European journal of paediatric neurology : EJPN : official journal of the European Paediatric Neurology Society.* 2017;21(3):580-582.

-Zaffanello et al. Sleep disordered breathing in children with achondroplasia *World Journal of Pediatrics.* WJP. 2017;13(1):8-14.

-Vecchi et al. Symptomatic and presumed symptomatic focal epilepsies in childhood: An observational, prospective multicentre study. *Epilepsia.* 2016;57(11):1808-1816.

-Opri et al. Progressive Myoclonus Epilepsy in Congenital Generalized Lipodystrophy type 2: Report of 3 cases and literature review. *Seizure.* 2016;42:1-6.

-Pavlidis<sup>o</sup>, Cantalupo<sup>o</sup> et al. Neonatal seizure automatism and human inborn pattern of quadrupedal locomotion. *Gait Posture.* 2016;49:232-234.

<sup>o</sup>shared first authorship

-Micalizzi et al. Clinical, neuroradiological and molecular characterization of cerebellar dysplasia with cysts (Poretti-Boltshauser syndrome). *Eur J Hum Genet.* 2016;24:1262–1267.

-Stamberger et al. STXBP1 encephalopathy: A neurodevelopmental disorder including epilepsy. *Neurology.* 2016;86(10):954-962.

-Pisani et al. Letter to the Editor. *Brain Dev.* 2016;38(3):354.

-Orivoli et al. Xp11.22 Microduplications including HUWE1: Case Report and Literature Review. *Neuropediatrics.* 2016;47(1):51-56.

-La Morgia et al. Melanopsin retinal ganglion cell loss in Alzheimer's disease. *Ann Neurol.* 2016;79(1):90-109.

-Cantalupo G et al. Tapping-evoked spikes" in a patient with Angelman syndrome. *Epileptic Disord.* 2015;17(4): 496.

-Tassinari et al. Focal ESES as a selective focal brain dysfunction: a challenge for clinicians, an opportunity for cognitive neuroscientists. *Epileptic Disord.* 2015;17(3):345-347.

-Gizzonio et al. Failure in Pantomime Action Execution Correlates with the Severity of Social Behavior Deficits in Children with Autism: A Praxis Study. *J Autism Dev Disord.* 2015;45(10):3085-3097

-Rubboli et al. Spinal muscular atrophy associated with progressive myoclonic epilepsy: A rare condition caused by mutations in ASAH1. *Epilepsia.* 2015;56(5):692-698.

-Mirandola et al. Long-term surgery outcome for epilepsy and psychogenic nonepileptic seizures in a child with anterior cingulate gyrus dysplasia. *Epilepsy & Behavior Case Reports* 2015;3:20-22.

-Sartori et al. Paediatric anti-N-methyl-d-aspartate receptor encephalitis: The first Italian multicenter case series. *Eur J Paediatr Neurol.* 2015 Jul;19(4):453-63

-Meletti et al. Temporal lobe epilepsy and emotion recognition without amygdala: a case study of Urbach-Wiethe disease and review of the literature. *Epileptic Disord* 2014;16(4):518-527.

-Pavlidis et al. Epileptic features in Cornelia de Lange syndrome: Case report and literature review. *Brain Dev.* 2014; 36(10):837-843.

-Vaudano et al. The visual system in eyelid myoclonia with absences. *Ann Neurol.* 2014;76(3):412-27.

-Caruana et al. How action selection can be embodied: intracranial gamma band recording shows response competition during the Eriksen flankers test. *Front Hum Neurosci.* 2014;8:668.

-Cantalupo et al. Tapia's syndrome secondary to laterocervical localization of diffuse large cell lymphoma. *Brain Dev.* 2014;36(6):548-50.

-Vaudano et al. Epilepsy-related brain networks in ring chromosome 20 syndrome: an EEG-fMRI study. *Epilepsia.* 2014;55(3):403-13.

-Caruana et al. Human cortical activity evoked by gaze shift observation: An intracranial EEG study. *Hum Brain Mapp.* 2014 Apr;35(4):1515-28.

-Mirandola et al. Centrottemporal spikes during NREM sleep: The promoting action of thalamus revealed by simultaneous EEG and fMRI coregistration. *Epilepsy & Behavior Case Reports.* 01/2013; 1:106–109.

-Cantalupo et al. Facial Emotion Recognition in childhood: the effects of febrile seizures in the developing brain. *Epilepsy Behav.* 2013;29(1):211-6.

-Spagnoli°, Cantalupo°, et al. Unusual Trigeminal Autonomic Pain Heraldng Hemichorea due to Zoster Sine Herpete Vasculopathy. *Pediatr Neurol.* 2013;49(3):205-8.  
°shared first authorship

-Licchetta et al. A novel pedigree with familial cortical myoclonic tremor and epilepsy (FCMTE): Clinical characterization, refinement of the FCMTE2 locus, and confirmation of a founder haplotype. *Epilepsia.* 2013;54(7):1298-1306.

-Vaudano et al. Causality within the Epileptic Network: An EEG-fMRI Study Validated by Intracranial EEG. *Front Neurol.* 2013;4:185.

-Cantalupo et al. In search of the Rosetta Stone for ESES. *Epilepsia.* 2013;54(4):766-7.

-Pisani et al. Neonatal seizures and post-neonatal epilepsy: a seven-year follow-up study. *Pediatr Res.* 2012; 72(2):186-193.

-Maini°, Cantalupo°, et al. Clinical and Polygraphic Improvement of Breathing Abnormalities After Valproate in a Case of Pitt-Hopkins Syndrome. *J Child Neurol.* 2012; 27(12):1585-1588.  
°shared first authorship

-Tassinari et al. Relationship of Central Pattern Generators with Parasomnias and Sleep-Related Epileptic Seizures. *Sleep Med Clin.* 2012; 7(2):125-134.

-Meletti et al. Fear and happiness in the eyes: an intra-cerebral event-related potential study from the human amygdala. *Neuropsychologia.* 2012; 50(1):44-54.

-Avanzini et al. The dynamics of sensorimotor cortical oscillations during the observation of hand movements: an EEG study. *PLoS One.* 2012; 7(5):e37534.

-Benuzzi et al. Increased cortical BOLD signal anticipates generalized spike and wave discharges in adolescents and adults with idiopathic generalized epilepsies. *Epilepsia.* 2012; 53(4):622-30.

-Pavlidis et al. Hemimegalencephalic variant of epidermal nevus syndrome: Case report and literature review. *Eur J Paediatr Neurol.* 2012; 16(4):332-42.

-Sarajlija et al. Widening the horizon of neonatal neurophysiology. *Clin Neurophysiol.* 2012; 123(8):1475-6.

-Cantalupo et al. Night-time unravelling of the brain web: Impaired synaptic downscaling in ESES – The Penelope syndrome. *Clin Neurophysiol.* 2011; 122(9):1691-1692.

-Cantalupo and Tassinari. The sleep in our eyes. *Clin Neurophysiol.* 2011; 122(8):1485-1486.

-Marconi et al. Rud syndrome with focal cortical dysplasia: A case report. *Brain Dev.* 2011;33(8):683-686.

-La Morgia et al. Melanopsin retinal ganglion cells are resistant to neurodegeneration in mitochondrial optic neuropathies. *Brain.* 2010; 133:2426-2438

- Ormitti et al. Aberrant mid-sagittal fiber tracts visualized by Diffusion Tensor MR. *The Neurology Journal*. 2010; 23(2):177-181.
- Ormitti et al. Diffusion Tensor MR imaging tractography of the pyramidal tracts and corpus callosum in children with right-sided congenital hemiparesis. *The Neurology Journal*. 2010; 23(2):172-176.
- Tassinari et al. Neuroethological approach to frontolimbic epileptic seizures and parasomnias: The same central pattern generators for the same behaviours. *Rev Neurol (Paris)*. 2009;165(10):762-768.
- Meletti et al. Facial emotion recognition impairment in chronic temporal lobe epilepsy. *Epilepsia*. 2009;50(6):1547-1559.
- Tassinari et al. Encephalopathy with Status Epilepticus during Slow Sleep: "The Penelope Syndrome". *Epilepsia* 2009; 50 (Suppl. 7): 4–8.
- Rubboli et al. Negative myoclonus induced by cortical electrical stimulation in epileptic patients. *Brain*. 2006;129(Pt 1):65-81.
- Tassinari et al. Central pattern generators for a common semiology in fronto-limbic seizures and in parasomnias. A neuroethologic approach. *Neurol Sci*. 2005 Dec;26 Suppl 3:s225-32.
- Meletti et al. Rhythmic teeth grinding induced by temporal lobe seizures. *Neurology*. 2004 Jun 22;62(12):2306-9.
- Michelucci et al. Telephone-induced seizures: a new type of reflex epilepsy. *Epilepsia*. 2004 Mar;45(3):280-3.
- Meletti et al. The expression of interictal, preictal, and postictal facial-wiping behavior in temporal lobe epilepsy: a neuro-ethological analysis and interpretation. *Epilepsy & Behavior* 2003 Dec; 4(6): 635-43.
- Meletti et al. Impaired facial emotion recognition in early-onset right mesial temporal lobe epilepsy. *Neurology* 2003 Feb; 60(3): 426 –431.
- Meletti et al. Early ictal speech and motor inhibition in fronto-mesial epileptic seizures: a polygraphic study in one patient. *Clinical Neurophysiology* 2003 Jan; 114(1): 56 – 62.

#### COLLABORATION IN OTHER PUBLICATIONS ON INTERNATIONAL SCIENTIFIC JOURNALS

- Morgante et al, on behalf of the Psychogenic Movement Disorders Study Group\*. Diagnostic agreement in patients with psychogenic movement disorders. *Mov Disord*. 2012; 27(4):548-52.  
\*Cantalupo G included as Study Group Member
- Barba et al; CDG Group\*. Congenital disorders of glycosylation presenting as epileptic encephalopathy with migrating partial seizures in infancy. *Dev Med Child Neurol*. 2016;58(10):1085-1091.  
\*Cantalupo G included as Study Group Member
- Manara et al; Menkes Working Group in the Italian Neuroimaging Network for Rare Diseases\*. Neuroimaging Changes in Menkes Disease, Part 1. *AJNR Am J Neuroradiol*. 2017;38(10):1850-1857.  
\*Cantalupo G included as Study Group Member
- Manara et al; Menkes Working Group in the Italian Neuroimaging Network for Rare Diseases. Neuroimaging Changes in Menkes Disease, Part 2. *AJNR Am J Neuroradiol*. 2017;38(10):1858-1865.  
\*Cantalupo G included as Study Group Member

#### BOOK CHAPTERS

- Cantalupo G, Tassinari CA, Dalla Bernardina B. Epilepsy with Myoclonic Absences and Epilepsy with Eyelid Myoclonia and Absences. In: Pellock JM, Nordli DM, Sankar R, Wheless JW. *Pellock's Pediatric Epilepsy - Diagnosis and Therapy*, 4th edition. Demos Medical Publishing. New York. United States. 2016. p.323-336.
- Tassinari CA, Cantalupo G, Dalla Bernardina B, Darra F, Bureau M, Cirelli C, Tononi G, Rubboli G. Encephalopathy related to status epilepticus during slow sleep (ESES) including Landau-Kleffner syndrome. In: Bureau M, Genton P, Dravet C, Delgado-Escueta A, Tassinari CA, Thomas P, Wolf P. *Epileptic syndromes in infancy, childhood and adolescence* 5th edition. John Libbey Eurotext Ltd. Montrouge, France. 2012. p. 255-276.
- Tassinari CA, Cantalupo G, Rubboli G. Polygraphic Recording of Epileptic Seizures. In: Panayiotopoulos CP, Benbadis SR et al.(eds). *Atlas of Epilepsies*. Springer-Verlag. London. United Kingdom. 2010. p. 723-740.
- Stanzani-Maserati M, Meletti S, Cantalupo G, Pinardi F, Rubboli G, Delgado-Escueta AV, Tassinari CA. Biting behavior as a model of aggression associated with seizures. In: Schachter SC, Holmes GL, Kasteleijn-Nolst

Trenité DGA (eds.). Behavioral Aspects of Epilepsy: Principles and Practice. Demos Medical Publishing. New York. United States. 2007. p. 227-234.

-Tassinari CA, Meletti S, Gardella E, Cantalupo G, Stanzani-Maserati M, Rubbboli G. Émergence de comportements moteurs innés communs aux crises frontales nocturnes et aux parasomnies: approche éthologique et rôle des «central pattern generators». In: Amann JP, Chiron C, Dulac O, Fagot-Largeault A (eds.). Épilepsie, connaissance du cerveau et société. Collège de France. Les Presses de l'Université Laval. Québec. Canada. 2006. p. 81-91.