

Francesco Carmelo Giovanni Cardona

Curriculum Vitae Scientifico Professionale

Place: Roma

Date: 25/4/2018

Part I – General Information

Full Name	Francesco Carmelo Giovanni Cardona
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Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1978	Università degli Studi La Sapienza di Roma	Medicina e chirurgia
Specialty	1985	Università degli Studi La Sapienza di Roma	Neuropsichiatria Infantile

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
1981	1990	Consiglio Nazionale delle Ricerche	Borsista
1990	2001	Università La Sapienza di Roma	Funzionario Tecnico
2001	-	Università La Sapienza di Roma	Ricercatore

IIIB – Other Appointments

Start	End	Institution	Position
1990	-	Azienda Ospedaliera Universitaria Policlinico Umberto I, Roma (Italia) - UOC Neuropsichiatria Infantile	Dirigente Medico

Part IV – Teaching experience

Year	Institution	Lecture/Course
1984-90	Scuola per Terapisti della Riabilitazione della USL RM 9	Fisiologia del Sistema Nervoso
2000-01	Diploma Universitario per "Terapisti della Neuro e Psicomotricità dell'età evolutiva"	Neuropsichiatria Infantile (semeiotica neurologica pediatrica)

	dell'Università La Sapienza di Roma	
2000-now	Corso di Laurea in Fisioterapia dell'Università La Sapienza di Roma (Sede Azienda Ospedaliera San Giovanni/Addolorata)	Neuropsichiatria Infantile (Corso integrato Riabilitazione in età pediatrica)
2004-now	Corso di Laurea in Fisioterapia dell'Università La Sapienza di Roma (Sede Azienda USL Roma H)	Neuropsichiatria Infantile (Corso integrato Riabilitazione in età pediatrica)
2010-now	Corso di laurea magistrale Medicina e chirurgia 'D' dell'Università La Sapienza di Roma	Neuropsichiatria Infantile (Corso integrato Malattie del Sistema Nervoso)
2010-now	Corso di laurea magistrale Medicina e chirurgia 'D' dell'Università La Sapienza di Roma	Neuropsichiatria Infantile (Corso integrato Psichiatria e Psicologia Clinica)
2015-now	Scuola di Specializzazione in Neuropsichiatria Infantile dell'Università La Sapienza di Roma	Neuropsichiatria Infantile (I disturbi del Movimento in età evolutiva)

Part V - Society memberships, Awards and Honors

Year	Title
1990-now	Membro della Società Italiana di Neuro-Psichiatria dell'Infanzia e dell'Adolescenza (SINPIA)
2008-11	Membro del Comitato Direttivo della LIMPE-DISMOV
2008-now	Membro dell'European Society for the Study of Tourette Syndrome (ESSTS)

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program
1995-98	Neuronal Ceroid Lipofuscinoses. Molecular, pathological and clinical investigations of NCL. New strategies for prevention, diagnosis, classification and treatment"	European Concerted Action-ECA BMHG-CT 95-0563 of the Biomed 2 Program of the European Union
2003-07	Group A streptococcal infections and neurobehavioural disorders in children.	Programma di collaborazione ISS-NIH (ISS-NIH -5303).
2006-07	Studio prospettico multicentrico di pazienti in età pediatrica affetti da sindrome di Tourette, Tic e/o disturbo ossessivo-compulsivo: relazione con le infezioni da	PRIN

	streptococco Beta-emolitico gruppo A. Studio clinico locale. Studio microbiologico centralizzato.	
2011-18	European Multicentre Tics in Children Studies (EMTICS).	Seventh Framework Program of European Community: FP7-HEALTH-2011-two-stage. (FP7-EC n. 278367)

Part VII – Research Activities

Keywords	Brief Description
Tic disorders, Tourette Syndrome	Clinical, pathophysiological and therapeutic aspects of tic disorders/Tourette Syndrome and their comorbidities.
PANDAS, PANS, infection-related neurobehavioral disorders	Clinical and laboratory aspects of infection-related neurobehavioral disorders in childhood.
Movement disorders	Clinical aspects of the principal movement disorders in childhood (tics, stereotypies, development coordination disorder)
Neurodegenerative disorders	Clinical, epidemiological and pathophysiological aspects of some neurodegenerative disorders in childhood.

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	60	SCOPUS	1989	now
Papers [national]	27	CINECA-IRIS-UNIROMA1	1982	now

Total Impact factor	107,875
Total Citations	1189
Average Citations per Product	19,82
Hirsch (H) index	18
Normalized H index*	0,5

*H index divided by the academic seniority.

Part IX – Principal Publications

1. Piedimonte C, Penge R, Morlino S, Sperduti I, Terzani A, Giannini MT, Colombi M, Grammatico P, Cardona F, Castori M. **Exploring relationships between joint hypermobility and neurodevelopment in pediatric patients (4-13 years) with hereditary connective**

- tissue disorders and developmental coordination disorder. *Am J Med Genet B*. 2018 (Accepted 23/4/2018)
2. Mancini C, Cardona F, Baglioni V, Panunzi S, Pantano P, Suppa A, Mirabella G. **Inhibition is impaired in children with Obsessive-Compulsive symptoms but not in those with tics.** *Mov Disord*. 2018 (Accepted 11/3/2018)
 3. Quagliariello A, Del Chierico F, Russo A, Reddel S, Conte G, Lopetuso LR, Ianiro G, Dallapiccola B, Cardona F, Gasbarrini A, Putignani L. **Gut microbiota profiling and gut-brain crosstalk in children affected by pediatric acute-onset neuropsychiatric syndrome (PANS) and pediatric autoimmune neuropsychiatric disorders associated with streptococcal infections (PANDAS).** *Front Microbiol.*, 06 April 2018
 4. Rizzo R, Pellico A, Silvestri PR, Chiarotti F, Cardona F. **A Randomized Controlled Trial Comparing Behavioral, Educational, and Pharmacological Treatments in Youths With Chronic Tic Disorder or Tourette Syndrome.** *Front Psychiatry*, 27 March 2018
 5. Romani M, Vigliante M, Faedda N, Rossetti S, Pezzuti L, Guidetti V, Cardona F. **Face memory and face recognition in children and adolescents with attention deficit hyperactivity disorder: A systematic review.** *Neurosci Biobehav Rev*. 2018 Mar 28. pii: S0149-7634(17)30763-7. [Epub ahead of print]
 6. Robinson S, Hedderly T, Conte G, Malik O, Cardona F. **Misophonia in Children with Tic Disorders: A Case Series.** *J Dev Behav Pediatr*. 2018 Mar 16. [Epub ahead of print]
 7. Kalsi N, Tambelli R, Altavilla D, Trentini C, Panunzi S, Stanca M, Aceto P, Cardona F, Lai C. **Neurophysiological correlate of emotional regulation in cognitive and motor deficits in Tourette's syndrome.** *World J Biol Psychiatry*. 2018 Feb 21:1-15. [Epub ahead of print]
 8. Silvestri PR, Chiarotti F, Baglioni V, Neri V, Cardona F, Cavanna AE. **A preliminary examination of self-concept in older adolescents and young adults with Gilles de la Tourette syndrome.** *Eur J Paediatr Neurol*. 2017 May;21(3):468-474
 9. Cardona F, Valente F, Miraglia D, D'Ardia C, Baglioni V, Chiarotti F. **Developmental Profile and Diagnoses in Children Presenting with Motor Stereotypies.** *Front Pediatr*. 2016 Nov 23;4:126. eCollection 2016.
 10. Neri V, Silvestri PR, Cardona F. **Comment on: Tics in the Pediatric Population: Pragmatic Management.** *Mov Dis Clin Practice* 2016, 4(4) 639-40.
 11. Marsili L, Suppa A, Di Stasio F, Belvisi D, Upadhyay N, Berardelli I, Pasquini M, Petrucci S, Ginevrino M, Fabbrini G, Cardona F, Defazio G, Berardelli A. **BDNF and LTP-/LTD-like plasticity of the primary motor cortex in Gilles de la Tourette syndrome.** *Exp Brain Res*. 2017; 225(3):841-50.
 12. Laino L, Bottillo I, Piedimonte C, Bernardini L, Torres B, Grammatico B, Bargiacchi S, Mulargia C, Calvani M, Cardona F, Castori M, Grammatico P. **Clinical and molecular characterization of a boy with intellectual disability, facial dysmorphism, minor digital anomalies and a complex IL1RAPL1 intragenic rearrangement.** *Eur J Paediatr Neurol*. 2016;20(6):971-976.
 13. Silvestri PR, Chiarotti F, Baglioni V, Neri V, Cardona F, Cavanna AE. **Health-related quality of life in patients with Gilles de la Tourette syndrome at the transition between adolescence and adulthood.** *Neurol Sci*. 2016;37(11):1857-1860.
 14. Macerollo A, Martino D, Cavanna AE, Gulisano M, Hartmann A, Hoekstra PJ, Hedderly T, Debes NM, Muller-Vahl K, Neuner I, Porta M, Rickards H, Rizzo R, Cardona F, Roessner V. **Refractoriness to pharmacological treatment for tics: A multicentre European audit.** *J Neurol Sci*. 2016 Jul 15;366:136-8.

15. Modafferi S, Stornelli M, Chiarotti F, Cardona F, Bruni O. **Sleep, anxiety and psychiatric symptoms in children with Tourette syndrome and tic disorders.** *Eur J Paediatr Neurol.* 2016 Sep;20(5):696-703.
16. Orefici G, Cardona F, Cox CJ, Cunningham MW. **Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections (PANDAS).** 2016 Feb 10. In: Ferretti JJ, Stevens DL, Fischetti VA, editors. *Streptococcus pyogenes: Basic Biology to Clinical Manifestations [Internet]. Oklahoma City (OK): University of Oklahoma Health Sciences Center; 2016-. Available from <http://www.ncbi.nlm.nih.gov/books/NBK333433/>*
17. Robinson S, Woods M, Cardona F, Hedderly T. **Intense Imagery Movements (IIM): More to motor stereotypies than meets the eye.** *Eur J Paediatr Neurol.* 2016 Jan;20(1):61-8.
18. Baglioni V, Stornelli M, Molica G, Chiarotti F, Cardona F. **[Prevalence of anxiety disturbs in patients with Tourette syndrome and tic disturb].** *Riv Psichiatr.* 2014 Sep-Oct;49(5):243-50.
19. Suppa A, Marsili L, Di Stasio F, Berardelli I, Roselli V, Pasquini M, Cardona F, Berardelli A. **Cortical and brainstem plasticity in Tourette syndrome and obsessive-compulsive disorder.** *Mov Disord.* 2014 Oct;29(12):1523-31.
20. Robinson S, Woods M, Cardona F, Baglioni V, Hedderly T. **Intense imagery movements: a common and distinct paediatric subgroup of motor stereotypies.** *Dev Med Child Neurol.* 2014 Dec;56(12):1212-8.
21. Cardona F, Rizzo R. **Treatment of Psychiatric Comorbidities in Tourette Syndrome.** 2013 pp. 553-82. in Martino D and Leckman JF editors: "Tourette Syndrome"- Oxford University Press (New York) - Print ISBN-13: 9780199796267; DOI: 10.1093/med/9780199796267.001.0001
22. Neri V, Cardona F. **Clinical pharmacology of comorbid obsessive-compulsive disorder in Tourette syndrome.** *Int Rev Neurobiol.* 2013;112:391-414.
23. Panunzi S, Cardona F, De Liso P, Brinciotti M, Cavanna AE. **Ictal coprolalia in a patient with temporal lobe epilepsy.** *J Neuropsychiatry Clin Neurosci.* 2013 Fall;25(4):E48-9.
24. Cavanna AE, Luoni C, Selvini C, Blangiardo R, Eddy CM, Silvestri PR, Cali PV, Seri S, Balottin U, Cardona F, Rizzo R, Termine C. **The Gilles de la Tourette Syndrome-Quality of Life Scale for children and adolescents (C&A-GTS-QOL): development and validation of the Italian version.** *Behav Neurol.* 2013;27(1):95-103.
25. Santorelli FM, Garavaglia B, Cardona F, Nardocci N, Bernardina BD, Sartori S, Suppiej A, Bertini E, Claps D, Battini R, Biancheri R, Filocamo M, Pezzini F, Simonati A. **Molecular epidemiology of childhood neuronal ceroid-lipofuscinosis in Italy.** *Orphanet J Rare Dis.* 2013 Feb 2;8:19.
26. Cavanna AE, Luoni C, Selvini C, Blangiardo R, Eddy CM, Silvestri PR, Cali PV, Gagliardi E, Balottin U, Cardona F, Rizzo R, Termine C. **Disease-specific quality of life in young patients with tourette syndrome.** *Pediatr Neurol.* 2013 Feb;48(2):111-4.
27. Cavanna AE, Luoni C, Selvini C, Blangiardo R, Eddy CM, Silvestri PR, Cali PV, Gagliardi E, Balottin U, Cardona F, Rizzo R, Termine C. **Parent and self-report health-related quality of life measures in young patients with Tourette syndrome.** *J Child Neurol.* 2013 Oct;28(10):1305-8.
28. Cardona F, Baglioni V, Silvestri PR, Chiarotti F. **Self-, parent-, and teacher-reported behavioral symptoms in youngsters with Tourette syndrome: a case-control study.** *Eur J Paediatr Neurol.* 2012 Mar;16(2):213-4.
29. Martino D, Chiarotti F, Buttiglione M, Cardona F, Creti R, Nardocci N, Orefici G, Veneselli E, Rizzo R; on behalf of the Italian Tourette Syndrome Study Group. **The relationship**

between group A streptococcal infections and Tourette syndrome: a study on a large service-based cohort. *Dev Med Child Neurol.* 2011 Oct;53(10):951-7.

30. Müller-Vahl KR, Cath DC, Cavanna AE, Dehning S, Porta M, Robertson MM, Visser-Vandewalle V; Androutsos C, Aschauer H, Baird G, Bos-Veneman N, Brambilla A, Cardona F, Cath DC, Cavanna AE, Czernecki V, Dehning S, Eapter A, Farkas L, Gadaros J, Hartmann A, Hauser E, Heyman I, Hedderly T, Hoekstra PJ, Korsgaard A, Jackson GM, Larsson L, Ludolph AG, Martino D, Menghetti C, Mol Debes N, Muller N, Muller-Vahl K, Munchau A, Murphy T, Musil R, Nagy P, Nurnberger J, Oostra B, Paschou P, Pasquini M, Plessen KJ, Porta M, Rickards H, Rizzo R, Robertson MM, Roessner V, Rothenberger A, Servello D, Skov L, Stern JS, Strand G, Tarnok Z, Termine C, Van der Griendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyck T.. **European clinical guidelines for Tourette syndrome and other tic disorders. Part IV: deep brain stimulation.** *Eur Child Adolesc Psychiatry.* 2011 Apr;20(4):209-17.
31. Verdellen C, van de Griendt J, Hartmann A, Murphy T; Androutsos C, Aschauer H, Baird G, Bos-Veneman N, Brambilla A, Cardona F, Cath DC, Cavanna AE, Czernecki V, Dehning S, Eapter A, Farkas L, Gadaros J, Hartmann A, Hauser E, Heyman I, Hedderly T, Hoekstra PJ, Korsgaard A, Jackson GM, Larsson L, Ludolph AG, Martino D, Menghetti C, Mol Debes N, Muller N, Muller-Vahl K, Munchau A, Murphy T, Musil R, Nagy P, Nurnberger J, Oostra B, Paschou P, Pasquini M, Plessen KJ, Porta M, Rickards H, Rizzo R, Robertson MM, Roessner V, Rothenberger A, Servello D, Skov L, Stern JS, Strand G, Tarnok Z, Termine C, Van der Griendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyck T.. **European clinical guidelines for Tourette syndrome and other tic disorders. Part III: behavioural and psychosocial interventions.** *Eur Child Adolesc Psychiatry.* 2011 Apr;20(4):197-207.
32. Roessner V, Plessen KJ, Rothenberger A, Ludolph AG, Rizzo R, Skov L, Strand G, Stern JS, Termine C, Hoekstra PJ; Androutsos C, Aschauer H, Baird G, Bos-Veneman N, Brambilla A, Cardona F, Cath DC, Cavanna AE, Czernecki V, Dehning S, Eapter A, Farkas L, Gadaros J, Hartmann A, Hauser E, Heyman I, Hedderly T, Hoekstra PJ, Korsgaard A, Jackson GM, Larsson L, Ludolph AG, Martino D, Menghetti C, Mol Debes N, Muller N, Muller-Vahl K, Munchau A, Murphy T, Musil R, Nagy P, Nurnberger J, Oostra B, Paschou P, Pasquini M, Plessen KJ, Porta M, Rickards H, Rizzo R, Robertson MM, Roessner V, Rothenberger A, Servello D, Skov L, Stern JS, Strand G, Tarnok Z, Termine C, Van der Griendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyck T. **European clinical guidelines for Tourette syndrome and other tic disorders. Part II: pharmacological treatment.** *Eur Child Adolesc Psychiatry.* 2011 Apr;20(4):173-96.
33. Cath DC, Hedderly T, Ludolph AG, Stern JS, Murphy T, Hartmann A, Czernecki V, Robertson MM, Martino D, Munchau A, Rizzo R; Androutsos C, Aschauer H, Baird G, Bos-Veneman N, Brambilla A, Cardona F, Cath DC, Cavanna AE, Czernecki V, Dehning S, Eapter A, Farkas L, Gadaros J, Hartmann A, Hauser E, Heyman I, Hedderly T, Hoekstra PJ, Korsgaard A, Jackson GM, Larsson L, Ludolph AG, Martino D, Menghetti C, Mol Debes N, Muller N, Muller-Vahl K, Munchau A, Murphy T, Musil R, Nagy P, Nurnberger J, Oostra B, Paschou P, Pasquini M, Plessen KJ, Porta M, Rickards H, Rizzo R, Robertson MM, Roessner V, Rothenberger A, Servello D, Skov L, Stern JS, Strand G, Tarnok Z, Termine C, Van der Griendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyck T. **European clinical guidelines for Tourette syndrome and other tic disorders. Part I: assessment.** *Eur Child Adolesc Psychiatry.* 2011 Apr;20(4):155-71.
34. Vicario CM, Martino D, Spata F, Defazio G, Giacchè R, Martino V, Rappo G, Pepi AM, Silvestri PR, Cardona F. **Time processing in children with Tourette's syndrome.** *Brain Cogn.* 2010 Jun;73(1):28-34.

35. Bombaci M, Grifantini R, Mora M, Reguzzi V, Petracca R, Meoni E, Balloni S, Zingaretti C, Falugi F, Manetti AG, Margarit I, Musser JM, Cardona F, Orefici G, Grandi G, Bensi G. **Protein array profiling of tic patient sera reveals a broad range and enhanced immune response against Group A Streptococcus antigens.** *PLoS One.* 2009 Jul 22;4(7):e6332.
36. Prischich F, De Rinaldis M, Bruno F, Egeo G, Santori C, Zappaterreno A, Fattouch J, Di Bonaventura C, Bada J, Russo G, Pizzuti A, Cardona F, Sa'a, Vullo V, Giallonardo AT, D'Erasmus E, Pelliccia A, Vanacore N. **High prevalence of epilepsy in a village in the Littoral Province of Cameroon.** *Epilepsy Res.* 2008 Dec;82(2-3):200-10.
37. Cardona F, Ventriglia F, Cipolla O, Romano A, Creti R, Orefici G. **A post-streptococcal pathogenesis in children with tic disorders is suggested by a color Doppler echocardiographic study.** *Eur J Paediatr Neurol.* 2007 Sep;11(5):270-6.
38. Roessner, V., Becker, A., Banaschewski, T., Freeman, R.D., Rothenberger, A., Aabech, H., Allaghand-Rad, J., Berlin, C., Bruun, R., Budman, C., Burd, L., Cardona, F., Cardoso, F., Castillo, J., Chien, S., Chouinard, S., Dion, Y., Eisenberg, J., Erfan, N., Fast, D., Fayed, J., Fernandez-Alvarez, E., Gadow, K., Gershanik, O., Gil, M., Gilbert, D., Hannesdottir, H., Higgins, D., Janik, P., Jankovic, J., Kadesjo, B., Kano, Y., Kerbeshian, J., Kessler, A., Knudsen, U.F., Korsgaard, A., Lang, A., Lichter, D., Lindback, T., Liu, Z., Lobel, D., Magor, A., Miguel, E., Mueller-Vahl, K., O'Connor, K., Oesterheld, J., Pancer, L., Rickards, H., Robertson, M., Rubin, J., Ruzicka, E., St. John, K., Sandor, P., Scamvougeras, A., Shady, G., Spinner, M., Stamenkovic, M., Sverd, J., Tarnok, Z., Van Der Linden, C., Voutilainen, A., Yazgan, Y., Yi, Z., Zinner, S. **Developmental psychopathology of children and adolescents with Tourette syndrome - Impact of ADHD.** *Eur Child Adolesc Psychiatry*, 2007; 16 (SUPPL. 1), pp. 1/24-1/35.
39. Freeman, R.D., Aabech, H., Allaghand-Rad, J., Berlin, C., Bruun, R., Budman, C., Burd, L., Cardona, F., Cardoso, F., Castillo, J., Chien, S., Chouinard, S., Dion, Y., Eisenberg, J., Erfan, N., Fast, D., Fayed, J., Fernandez-Alvarez, E., Gadow, K., Gershanik, O., Gil, M., Gilbert, D., Hannesdottir, H., Higgins, D., Janik, P., Jankovic, J., Kadesjo, B., Kano, Y., Kerbeshian, J., Kessler, A., Knudsen, U.F., Korsgaard, A., Lang, A., Lichter, D., Lindback, T., Liu, Z., Lobel, D., Magor, A., Miguel, E., Mueller-Vahl, K., O'Connor, K., Oesterheld, J., Pancer, L., Rickards, H., Robertson, M., Roessner, V., Rothenberger, A., Rubin, J., Ruzicka, E., St. John, K., Sandor, P., Scamvougeras, A., Shady, G., Spinner, M., Stamenkovic, M., Sverd, J., Tarnok, Z., Van Der Linden, C., Voutilainen, A., Yazgan, Y., Yi, Z., Zinner, S. **Tic disorders and ADHD: Answers from a world-wide clinical dataset on Tourette syndrome.** *Eur Child Adolesc Psychiatry*, 2007; 16 (SUPPL. 1), pp. 1/15-1/23.
40. Creti R, Gherardi G, Imperi M, von Hunolstein C, Baldassarri L, Pataracchia M, Alfarone G, Cardona F, Dicuonzo G, Orefici G. **Association of group A streptococcal emm types with virulence traits and macrolide-resistance genes is independent of the source of isolation.** *J Med Microbiol.* 2005 Oct;54(Pt 10):913-7.
41. Cardona F, Romano A, Bollea L, Chiarotti F. **Psychopathological problems in children affected by tic disorders - study on a large Italian population.** *Eur Child Adolesc Psychiatry.* 2004 Jun;13(3):166-71.
42. Cardona F, Romano A, Cundari G, Ventriglia F, Versacci P, Orefici G. **Colour Doppler echocardiography in children with group A streptococcal infection related tic disorders.** *Indian J Med Res.* 2004 May;119 Suppl:186-90.
43. Creti R, Cardona F, Pataracchia M, Hunolstein CV, Cundari G, Romano A, Orefici G. **Characterisation of group A streptococcal (GAS) isolates from children with tic disorders.** *Indian J Med Res.* 2004 May;119 Suppl:174-8.

44. Romano A, Cundari G, Bruni O, Cardona F. **[Tic disorders and arousal dysfunction: clinical evaluation of 49 children and adolescents]**. *Minerva Pediatr.* 2004 Jun;56(3):327-34.
45. Leuzzi V, Carducci C, Carducci C, Cardona F, Artiola C, Antonozzi I. **Autosomal dominant GTP-CH deficiency presenting as a dopa-responsive myoclonus-dystonia syndrome.** *Neurology.* 2002 Oct 22;59(8):1241-3.
46. Cardona F, Orefici G. **Group A streptococcal infections and tic disorders in an Italian pediatric population.** *J Pediatr.* 2001 Jan;138(1):71-5.
47. Nardocci N, Cardona F. **Neuronal ceroid lipofuscinoses: a review.** *Ital J Neurol Sci.* 1998 Oct;19(5):271-6.
48. Sestini S, Micheli V, Rocchigiani M, Jacomelli G, Manzoni F, Gathof B, Hayek G, Cardona F, Zammarchi E, Pompucci G. **Enzyme activities leading to NAD synthesis in the erythrocytes of HPRT deficient subjects.** *Adv Exp Med Biol.* 1998;431:181-4.
49. Terregino C, Cardona F, Barbetti F, Antonozzi I, Carducci C. **Clinical and molecular evaluation of Italian patients affected by Pelizaeus-Merzbacher disease.** *J Inherit Metab Dis.* 1996;19(2):197-200.
50. Cardona F, Rosati E. **Neuronal ceroid-lipofuscinoses in Italy: an epidemiological study.** *Am J Med Genet.* 1995 Jun 5;57(2):142-3.
51. Leuzzi V, Cardona F, Antonozzi I, Loizzo A. **Visual, auditory, and somatosensorial evoked potentials in early and late treated adolescents with phenylketonuria.** *J Clin Neurophysiol.* 1994 Nov;11(6):602-6.
52. Carlesimo M, Giustini S, Rossodivita A, Cardona F, Calvieri S. **Late infantile ceroid-lipofuscinoses. An ultrastructural study.** *Am J Dermatopathol.* 1993 Oct;15(5):456-60.
53. Leuzzi V, Elli R, Antonelli A, Chessa L, Cardona F, Marcucci L, Petrinelli P. **Neurological and cytogenetic study in early-onset ataxia-telangiectasia patients.** *Eur J Pediatr.* 1993 Jul;152(7):609-12.
54. Antonelli A, Petrinelli P, Marcucci L, Billi D, Cardona F, Leuzzi V, Elli R. **Effects of DNA-breaking agents on Cockayne syndrome cells.** *Ann N Y Acad Sci.* 1992 Nov 21;663:418-20.
55. Cardona F, Leuzzi V, Antonozzi I, Benedetti P, Loizzo A. **The development of auditory and visual evoked potentials in early treated phenylketonuric children.** *Electroencephalogr Clin Neurophysiol.* 1991 Jan-Feb;80(1):8-15.
56. Gallucci M, Cardona F, Arachi M, Splendiani A, Bozzao A, Passariello R. **Follow-up MR studies in Hallervorden-Spatz disease.** *J Comput Assist Tomogr.* 1990 Jan-Feb;14(1):118-20.
57. Curatolo P, Cardona F, Cusmai R. **BAEPs in infantile spasms.** *Brain Dev.* 1989;11(5):347-8.

Part X– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

1. **Gut microbiota profiling and gut-brain crosstalk in children affected by pediatric acute-onset neuropsychiatric syndrome (PANS) and pediatric autoimmune neuropsychiatric disorders associated with streptococcal infections (PANDAS).**

Quagliariello A, Del Chierico F, Russo A, Reddel S, Conte G, Lopetuso LR, Ianiro G, Dallapiccola B, Cardona F, Gasbarrini A, Putignani L.

Front Microbiol., 06 April 2018 | [https://doi.org: 10.3389/fmicb.2018.00675](https://doi.org/10.3389/fmicb.2018.00675)

IF= 4,076

2. A Randomized Controlled Trial Comparing Behavioral, Educational, and Pharmacological Treatments in Youths With Chronic Tic Disorder or Tourette Syndrome.

Rizzo R, Pellico A, Silvestri PR, Chiarotti F, Cardona F.

Front Psychiatry, 27 March 2018 | <https://doi.org/10.3389/fpsy.2018.00100>

IF= 3,532

3. Face memory and face recognition in children and adolescents with attention deficit hyperactivity disorder: A systematic review.

Romani M, Vigliante M, Faedda N, Rossetti S, Pezzuti L, Guidetti V, Cardona F.

Neurosci Biobehav Rev. 2018 Mar 28. pii: S0149-7634(17)30763-7. doi: 10.1016/j.neubiorev.2018.03.026. [Epub ahead of print]

IF= 8,299

4. Misophonia in Children with Tic Disorders: A Case Series.

Robinson S, Hedderly T, Conte G, Malik O, Cardona F.

J Dev Behav Pediatr. 2018 Mar 16. doi: 10.1097/DBP.0000000000000563. [Epub ahead of print]

IF= 2,393

5. Neurophysiological correlate of emotional regulation in cognitive and motor deficits in Tourette's syndrome.

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World J Biol Psychiatry. 2018 Feb 21:1-15. doi: 10.1080/15622975.2018.1430375. [Epub ahead of print]

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