

INFORMAZIONI PERSONALI

Cardona Francesco

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Sesso Maschile | Data di nascita 05 ottobre 1952 | Nazionalità Italiana

POSIZIONE RICOPERTA

Dirigente Medico

ESPERIENZA PROFESSIONALE

1990–alla data attuale **Dirigente Medico - UOC Neuropsichiatria Infantile**
Azienda Ospedaliera Universitaria Policlinico Umberto I, Roma (Italia)

2005–alla data attuale **Professore Aggregato**
Sapienza - Università di Roma, Roma (Italia)
Dipartimento di Pediatria e Neuropsichiatria Infantile

1990–2005 **Ricercatore**

Sapienza- Università di Roma, Roma (Italia)
Dipartimento di Scienze Neurologiche e Psichiatriche dell'Età Evolutiva

1981–1990 **Assegnista di ricerca**

Consiglio Nazionale delle Ricerche, Roma (Italia)
Istituto di Neuropsichiatria Infantile

ISTRUZIONE E FORMAZIONE

1985 **Specializzazione in Neuropsichiatria Infantile**
Università degli Studi di Roma, Roma (Italia)

1978 **Laurea in Medicina e Chirurgia**

Università degli Studi di Roma, Roma (Italia)

COMPETENZE PERSONALI

Lingua madre Italiano

Altre lingue

Inglese

Francese

	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	B2	C1	B2	B2	C1
Francese	B2	C1	B2	B2	C1

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato
Quadro Comune Europeo di Riferimento delle Lingue

Competenza digitale

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente avanzato	Utente avanzato	Utente avanzato

Competenze digitali - Scheda per l'autovalutazione

ULTERIORI INFORMAZIONI

Principali pubblicazioni scientifiche

1. 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. 2016 Dec 18. [Epub ahead of print]
2. 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.
3. 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. 2016 Nov 30. [Epub ahead of print].
4. 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 Nov;20(6):971-976.
5. 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 Nov;37(11):1857-1860.
6. 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.
7. 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.
8. 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/NBK33433/>
9. 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.
10. 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.
11. 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.
12. 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.

13. Neri V, Cardona F. Clinical pharmacology of comorbid obsessive-compulsive disorder in Tourette syndrome. *Int Rev Neurobiol.* 2013;112:391-414.
14. 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.
15. 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.
16. Santorelli FM, Garavaglia B, Cardona F, Nardocci N, Bernardino 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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 Giessendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyk 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.
22. Verdellen C, van de Giessendt 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 Giessendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyk 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.
23. 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 Giessendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyk 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.
24. 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 Giendt J, Verdellen C, Visser-Vandewalle V, Wannag E, Wolanczyk T.. European clinical guidelines for Tourette syndrome and other tic disorders. Part I: assessment. *Eur Child Adolesc Psychiatry*. 2011 Apr;20(4):155-71.
25. 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.
26. 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.
27. 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'Erasco 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.
28. 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.
29. Roessner, V., Becker, A., Banaschewski, T., Freeman, R.D., Rothenberger, A., Aabech, H., Allaghband-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., Fayyed, J., Fernandez-Alvarez, E., Gadow, K., Gershank, 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 European Child and Adolescent Psychiatry, 2007; 16 (SUPPL. 1), pp. I/24-I/35.
30. Freeman, R.D., Aabech, H., Allaghband-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., Fayyed, J., Fernandez-Alvarez, E., Gadow, K., Gershank, 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. *European Child and Adolescent Psychiatry*, 2007; 16 (SUPPL. 1), pp. I/15-I/23.
31. Creti R, Gherardi G, Imperi M, von Hunolstein C, Baldassari 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.

37. Cardona F, Orefici G. Group A streptococcal infections and tic disorders in an Italian pediatric population. J Pediatr. 2001 Jan;138(1):71-5.

**Partecipazione a progetti nazionali
o internazionali finanziati**

1995-1998

European Concerted Action-ECA

Neuronal Ceroid Lipofuscinoses. Molecular, pathological and clinical investigations of NCL. New strategies for prevention, diagnosis, classification and treatment"
BMHG-CT 95-0563 of the Biomed 2 Program of the European Union
(Coordinator: Prof. H.H. Goebel).

2003-2007

Programma di collaborazione ISS-NIH;

Group A streptococcal infections and neurobehavioural disorders in children.

(ISS-NIH -5303).

(Coordinatore. Dott. G. Orefici)

2006-2007.

PRIN

Studio prospettico multicentrico di pazienti in età pediatrica affetti da sindrome di Tourette, Tic e/o disturbo ossessivo-compulsivo: relazione con le infezioni da streptococco Beta-emolitico gruppo A.
Studio clinico locale. Studio microbiologico centralizzato.

(Coordinatore nazionale: Dott. R Rizzo..

Responsabile unità di ricerca: Dott. F. Cardona)

2011-2017

Seventh Framework Program of European Community: FP7-HEALTH-2011-two-stage.

European Multicentre Tics in Children Studies (EMTICS). (FP7-EC n. 278367) (Coordinator: Dott. P. Hoekstra; Work Package 07- Treatment- leader: Dott. F. Cardona).