

CURRICULUM VITAE

Dr. Floriana Costanzo (Psy. D., PhD)

PLACE AND DATE OF BIRTH: Caltagirone, Italy, Nov 8th , 1978.

NATIONALITY: Italian

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Education and Professional experience

2005 Psy. D. in Experimental Psychology, University of Palermo, Palermo

2010 Ph. D. in Cognitive Science and Rehabilitation, LUMSA Rome University

2014 Post-Doc Degree, Bambino Gesù Children's Hospital, Rome

2018 Italian National Scientific Qualification as Associate Professor in General Psychology, Psychobiology and Psychometrics

Positions

2008-2010 PhD student, Psychology Dep, LUMSA University, Rome

2010-2017 Research fellow, Child Neuropsychiatric Unit, Bambino Gesù Children's Hospital, Rome

2017-2018 Lecturer in Cognitive and Clinical Neuroscience, Psychology Dep, European University, Rome

2017-2018 Lecturer in Cognitive Neuroscience and Neuroethic, Psychology Dep, European University, Rome

2018 Clinical Fellow, Child Neuropsychiatric Unit, Bambino Gesù Children's Hospital, Rome

2018-to date Lecturer in Cognitive and Clinical Neuroscience, Psychology Dep, European University, Rome

2018-to date Lecturer in Cognitive Neuroscience and Development, Psychology Dep, European University, Rome

2018-to date Clinical Psychologist, Psychological Neuropsychiatric Unit, Child and Adolescent Neuropsychiatric Unit, Bambino Gesù Children's Hospital, Rome

Main Domains of Research:

I'm Clinical Psychologist at the Psychological Neuropsychiatry Unit, Child and Adolescent Neuropsychiatric Unit, of the Bambino Gesù Children's Hospital in Rome. My major research interests are in the field of Developmental Neuropsychology. I have worked as a researcher and a clinician with children with autism, intellectual disabilities, genetic disorders and learning disabilities. My PhD years were spent in the study of neural correlates of developmental dyslexia by means of Transcranial Magnetic Stimulation. In particular, I focused in applying this non-invasive brain stimulation technique to dyslexia for a rehabilitative purpose. I have continued these studies applying different techniques, such as transcranial direct current stimulation (tDCS), trying to identify optimal protocols for tDCS treatment in children with dyslexia and I have applied tDCS treatment protocols even in other neurodevelopmental disorders (ADHD, Autism, Dyscalculia) and in psychiatric disorders in developmental age (Anorexia, catatonia). I'm responsible of numerous research projects and I have obtained funding from foundations and from the Italian Ministry of Health as a young researcher on tDCS protocols. As a clinician, I am responsible of the clinical protocol dedicated to cognitive and behavioral assessment in children with Down syndrome. My research in Down syndrome has focused on studying the cognitive and behavioral profile and in promoting innovative treatments in children and adolescents with DS.

Publications. h-index: 17 (Scopus)

1. Passarini S, Parisi M, Guerrera S, Lazzaro G, **Costanzo F**, Menghini D, Vicari S, Fucà E. Exploring the association between sleep disturbances and repetitive behaviors in autistic children and adolescents: a systematic review. Sleep Med. 2025 May 29;133:106609. doi: 10.1016/j.sleep.2025.106609. Epub ahead of print. PMID: 40494111.

2. Fucà E, **Costanzo F**, Ursumando L, Vicari S. (2025) Mothers and fathers of children and adolescents with Down syndrome experience parenting stress differently: Analysis on associated factors. *Res Dev Disabil.* 160:104979. doi: 10.1016/j.ridd.2025.104979. PMID: 40112493.
3. Lazzaro G, Passarini S, Battisti A, **Costanzo F**, Garone G, Mercier M, D'Aiello B, De Rossi P, Valeri G, Guerrera S, Casula L, Menghini D, Vicari S, Fucà E. (2025) Understanding and targeting repetitive behaviors and restricted interests in autism spectrum disorder via high-definition transcranial direct current stimulation: a study-protocol. *BMC Psychiatry.* 25(1):170. doi: 10.1186/s12888-025-06506-y.
4. Battisti A, Lazzaro G, Ursumando L, D'Aiello B, Zanna V, **Costanzo F**, Vicari S, Menghini D. (2025). Examining tolerability, safety, and blinding in 1032 transcranial electrical stimulation sessions for children and adolescents with neuropsychiatric and neurodevelopmental disorders. *Sci Rep.* 15(1):4560. doi: 10.1038/s41598-025-88256-1.
5. Flores-Aguilar L, Hamlett ED, Araya P, Barone E, Bhattacharyya A, Carmona-Iragui M, Chan L, Christian B, Costa ACS, **Costanzo F**, Del Hoyo Soriano L, Dierssen M, Eichler EE, Fisher E, Galbraith M, Ghosh S, Gimenez S, Guedj F, Guidi S, Iulita MF, Mobley W, Pelleri MC, Potier MC, Rabin KR, Rachubinski A, Rebillat AS, Rubenstein E, Saternos H, Sordo L, Strydom A, Valle-Tamayo N, Waugh KA, Yu E, Zeldich E, Busciglio J, Head E. Imagine, Discover, Inspire: Proceedings of the 4th International Conference of the Trisomy 21 Research Society. *Neuromolecular Med.* 2025; 27(1):5. doi: 10.1007/s12017-024-08824-y.
6. Fucà E, Vicari S, **Costanzo F**. (2025). Adaptive and Behavioral Profiles in Down Syndrome and Co-Occurring Autism Spectrum Disorder: A Case-Control Study. *Autism Res.* 18(2):362-369. doi: 10.1002/aur.3294.
7. Guzzardi M, Menghini D, **Costanzo F**, Vicari S, Foti F. (2024). Prospective memory in the developmental age: a systematic review to synthesize the evaluation tools and the main cognitive functions involved. *Front. Psychol.* doi: 10.3389/fpsyg.2024.1394586
8. Foti F, **Costanzo F**, Fabrizio C, Termine A, Menghini D, Iaquina T, Vicari S, Petrosini L, Blake PR. (2024). The role of social motivation in sharing and fairness: insights from Williams syndrome. *J Neurodev Disord.* 16(1):50. doi: 10.1186/s11689-024-09568-3. PMID: 39217324.
9. Bochud-Fragnière E, Bittolo P, Ehrensperger G, Antonicelli N, **Costanzo F**, Menghini D, Vicari S, Banta Lavenex P, Lavenex P. (2024). Conditional learning abilities in Down syndrome and Williams syndrome. *Journal of Cognitive Psychology*, 1–23. <https://doi.org/10.1080/20445911.2024.2390538>
10. Fucà E, **Costanzo F**, Vicari S. (2024). Characterising repetitive behaviours in children and adolescents with Down syndrome. *J Intellect Disabil Res.* doi: 10.1111/jir.13179.
11. Bochud-Fragnière E, Lonchamp G, Bittolo P, Ehrensperger G, Circelli AR, Antonicelli N, **Costanzo F**, Menghini D, Vicari S, Banta Lavenex P, Lavenex P. (2024). Why do individuals with Williams syndrome or Down syndrome fail the Weather Prediction Task?. *Developmental psychobiology*, 66(5), e22503. <https://doi.org/10.1002/dev.22503>
12. Fucà E, **Costanzo F**, Galassi P, Celestini L, Valentini D, Vicari S. (2024). Celiac disease in children and adolescents with Down syndrome: behavioural, adaptive and sleep profiles. *J Intellect Disabil Res.* e13135. doi: 10.1111/jir.13135.
13. Faralli A, Fucà E, Lazzaro G, Menghini D, Vicari S, **Costanzo F**. (2024). Transcranial Direct Current Stimulation in neurogenetic syndromes: new treatment perspectives for Down syndrome? *Front Cell Neurosci.* 18:1328963. doi: 10.3389/fncel.2024.1328963.
14. Fucà E, **Costanzo F**, Galassi P, Celestini L, Villani A, Valentini D, Vicari S. (2024). Emotional and behavioral features associated with subclinical hypothyroidism in children and adolescents with Down syndrome. *Front Psychol.* 14:1294908. doi: 10.3389/fpsyg.2023.1294908.
15. Ursumando L, Ponzo V, Monteleone AM, Menghini D, Fucà E, Lazzaro G, Esposito R, Picazio S, Koch G, Zanna V, Vicari S, **Costanzo F**. (2023). The efficacy of non-invasive brain stimulation in the treatment of children and adolescents with Anorexia Nervosa: study protocol of a randomized, double blind, placebo-controlled trial. *J Eat Disord.* 11(1):127. doi: 10.1186/s40337-023-00852-6.
16. Sideropoulos V, Van Herwegen J, Meuleman B, Alessandri M, Alnemy FM, Rad JA, Lavenex PAB, Bolshakov N, Bölte S, Buffle P, Cai RY, Campos R, Chirita-Emandi A, Costa AP, **Costanzo F**, Des Portes V, Dukes D, Faivre L, Famelart N, Fisher MH, Gamaiunova L, Giannadou A, Gupta R, Hardan AY, Houdayer-Robert F, Hrnčirova L, Iaochite RT, Jariabkova K, Klein-Tasman BP, Lavenex P, Malik S, Mari

- F, Martinez-Castilla P, Menghini D, Nuske HJ, Palikara O, Papon A, Pegg RS, Pouretmad H, Poustka L, Prosetzky I, Renieri A, Rhodes SM, Riby DM, Rossi M, Sadeghi S, Su X, Tai C, Tran M, Tynan F, Uljarević M, Van Hecke AV, Veiga G, Verloes A, Vicari S, Werneck-Rohrer SG, Zander E, Samson AC. (2023). Anxiety, concerns and COVID-19: Cross-country perspectives from families and individuals with neurodevelopmental conditions. *J Glob Health*. 13:04081. doi: 10.7189/jogh.13.04081.
17. D'Aiello B, Lazzaro G, Battisti A, Pani P, Di Vara S, De Rossi P, Pretelli I, **Costanzo F**, Vicari S, Menghini D. (2023). Methylphenidate is more effective to improve inhibitory control and working memory compared to tDCS in children and adolescents with attention deficit/hyperactivity disorder: a proof-of-concept study. *Front Neurosci*. 17:1170090. doi: 10.3389/fnins.2023.1170090.
 18. **Costanzo F**, Fucà E, Caciolo C, Deborah Ruà, Smolley S, Weissberg D, Vicari S. (2023). Talkitt: Towards a New Instrument Based on Artificial Intelligence for Augmentative and Alternative Communication in Children with Down Syndrome. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2023.1176683>.
 19. Fucà E, **Costanzo F**, Celestini L, Galassi P, Villani A, Valentini D, Vicari S. (2023). Sleep and behavioral problems in Down syndrome: differences between school age and adolescence. *Front Psychiatry*. 14:1193176. doi: 10.3389/fpsyt.2023.1193176.
 20. Fucà E, Cirillo F, Celestini L, Alfieri P, Valentini D, **Costanzo F**, Vicari S. (2023). Assessment of oppositional defiant disorder and oppositional behavior in children and adolescents with Down syndrome. *Front Psych* 13:1062201. 10.3389/fpsyt.2022.1062201
 21. Ursumando L, Fucà E, **Costanzo F**, Vicari S. (2022). Delusion of Pregnancy in Down Syndrome: Two Case Reports. *Int J Environ Res Public Health*. 19(20):13339. doi: 10.3390/ijerph192013339.
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 23. Fucà, E, **Costanzo F**, Ursumando L, Celestini L, Scoppola V, Mancini S, Valentini D, Villani A, Vicari, S. (2022). Sleep and behavioral problems in preschool--age children with Down syndrome. *Frontiers in Psychology*, 13, 943516. <https://doi.org/10.3389/fpsyg.2022.943516>
 24. Passarello N, Tarantino V, Chirico A, Menghini D, **Costanzo F**, Sorrentino P, Fucà E, Gigliotta O, Alivernini F, Oliveri M, Lucidi F, Vicari S, Mandolesi L, Turriziani P. (2022) Sensory Processing Disorders in Children and Adolescents: Taking Stock of Assessment and Novel Therapeutic Tools. *Brain Sci*. 12(11):1478. doi: 10.3390/brainsci12111478.
 25. Battisti A, Lazzaro G, **Costanzo F**, Varuzza C, Rossi S, Vicari S, Menghini D. (2022). Effects of a short and intensive transcranial direct current stimulation treatment in children and adolescents with developmental dyslexia: A crossover clinical trial. *Frontiers in Psychology*; 13:986242. doi: 10.3389/fpsyg.2022.986242.
 26. Stevanovic D, Robins DL, **Costanzo F**, Fucà E, Valeri G, Vicari S, Ozek Erkuran H, Yaylaci F, Albores Gallo L, Gatica Bahamonde G, Gabunia M, Zirakashvili M, Machado FP, Charman T, Samadi SA, Toh TH, Gayle W, Brennan L, Zorcec T, Auza A, de Jonge M, Shoqirat N, Knez R. (2022) Cross cultural differences in reporting autistic symptoms in toddlers: A study with the M-Chat R) data from ten countries. *Research in Autism Spectrum Disorders* 95 101984. <https://doi.org/10.1016/j.rasd.2022.101984>.
 27. Lazzaro G, Fucà E, Caciolo C, Battisti A, **Costanzo F**, Varuzza C, Vicari S, Menghini D. (2022) Understanding the Effects of Transcranial Electrical Stimulation in Numerical Cognition: A Systematic Review for Clinical Translation. *Journal of Clinical Medicine*. 11(8):2082. <https://doi.org/10.3390/jcm11082082>
 28. Nixon L, de la Fuente GM, **Costanzo F**, Sideropoulos V, Jo Van H, Lakhanpaul M (2022) The impact of the pandemic on children under 11 with Down Syndrome *Archives of Disease in Childhood*; 107(Suppl 2):A318-A319. ID: covidwho-2019888
 29. D'Aiello B, Battisti A, Lazzaro G, Pani P, De Rossi P, Di Vara S, Pretelli I, **Costanzo F**, Vicari S, Menghini D. (2022) Comparing the Effect of Methylphenidate and Anodal tDCS on Inhibitory Control and Working-Memory in Children and Adolescents with Attention Deficit/Hyperactivity Disorder: A Study Protocol for a Randomized, within-Subject Trial. *International Journal of Environmental Research and Public Health*. 9(8):4575. <https://doi.org/10.3390/ijerph19084575>

30. Fucà E, **Costanzo F**, Ursumando L, Vicari S. (2022) Parenting Stress in Mothers of Children and Adolescents with Down Syndrome. *Journal of Clinical Medicine*; 11(5):1188. doi: 10.3390/jcm11051188. PMID: 35268278; PMCID: PMC8911183.
31. **Costanzo F**, Zanni G, Fucà E, Di Paola M, Barresi S, Travaglini L, Colafati GS, Gambardella A, Bellacchio E, Bertini E, Menghini D, Vicari S. (2022). Cerebellar Agenesis and Bilateral Polimicrogyria Associated with Rare Variants of CUB and Sushi Multiple Domains 1 Gene (CSMD1): A Longitudinal Neuropsychological and Neuroradiological Case Study. *International Journal of Environmental Research and Public Health*. 19(3):1224. <https://doi.org/10.3390/ijerph19031224>
32. Lazzaro G, Battisti A, Varuzza C, Celestini L, Pani P, **Costanzo F**, Vicari S, Kadosh RC, Menghini D. (2021) Boosting Numerical Cognition in Children and Adolescents with Mathematical Learning Disabilities by a Brain-Based Intervention: A Study Protocol for a Randomized, Sham-Controlled Clinical Trial. *International Journal of Environmental Research and Public Health*. 18(20):10969. <https://doi.org/10.3390/ijerph182010969>
33. Fucà E, Lazzaro G, **Costanzo F**, Di Vara S, Menghini D, Vicari S. (2021) Implicit and Explicit Memory in Youths with High-Functioning Autism Spectrum Disorder: A Case-Control Study. *Journal of Clinical Medicine*; 10, 4283. Doi: <https://doi.org/10.3390/jcm10184283>
34. Stevanovic D, **Costanzo F**, Fucà E, Valeri G, Vicari S, Robins DL, Samms-Vaughan M, Ozek Erkuran H, Yaylaci F, Deshpande SN, Deshmukh V, Arora NK, Albores-Gallo L, García-López C, Gatica-Bahamonde G, Gabunia M, Zirkashvili M, Machado FP, Radan M, Samadi SA, Toh TH, Gayle W, Brennan L, Zorcec T, Auza A, de Jonge M, Shoqirat N, Marini A, Knez R. (2021). Measurement invariance of the Childhood Autism Rating Scale (CARS) across six countries *Autism Research*. Aug 4. doi: 10.1002/aur.2586.
35. Dierssen M, Herault Y, Helguera P, Martínez de Lagran M, Vazquez A, Christian B, Carmona-Iragui M, Wiseman F, Mobley W, Fisher EMC, Brault V, Esbensen A, Jacola LM, Potier MC, Hamlett ED, Abbeduto L, del Hoyo Soriano L, Busciglio J, Iulita MF, Crispino J, Malinge S, Barone E, Perluigi M, **Costanzo F**, Delabar J, M, Bartesaghi R, Dekker A, D, De Deyn P, Fortea Ormaechea J, Shaw P, A, Haydar T, F, Sherman S, L, Strydom A, Bhattacharyya A. (2021) Building the Future Therapies for Down Syndrome: The Third International Conference of the T21 Research Society. *Molecular Syndromology*. doi: 10.1159/000514437
36. Lazzaro G, **Costanzo F**, Varuzza C, Rossi S, Vicari S, Menghini D. (2021) Effects of a short, intensive, multi-session tDCS treatment in developmental dyslexia: Preliminary results of a sham-controlled randomized clinical trial. *Progress in Brain Research*; 264:191-210. doi: 10.1016/bs.pbr.2021.01.015.
37. **Costanzo F**, Fucà E, Menghini D, Circelli AR, Carlesimo GA, Costa A, Vicari S. (2021). Event-Based Prospective Memory Deficit in Children with ADHD: Underlying Cognitive Factors and Association with Symptoms (2021) *International Journal of Environmental Research and Public Health*. 18(11):5849. doi: 10.3390/ijerph18115849. PMID: 34072498; PMCID: PMC8199111.
38. Fucà E, **Costanzo F**, Celestini L, Mandarino A, Vicari S. (2021). Characterization of Sleep Disturbances in Children and Adolescents with Down Syndrome and Their Relation with Cognitive and Behavioral Features. *International Journal of Environmental Research and Public Health*. 18(9):5001. doi: 10.3390/ijerph18095001.
39. Fucà E, **Costanzo F**, Bonutto D, Moretti A, Fini A, Ferraiuolo A, Vicari S, Tozzi AE. (2021) Mobile-Health Technologies for a Child Neuropsychiatry Service: Development and Usability of the Assioma Digital Platform. *International Journal of Environmental Research and Public Health*. 18(5):2758. <https://doi.org/10.3390/ijerph18052758>
40. **Costanzo F**, Alfieri P, Caciolo C, Bergonzini P, Perrino F, Zampino G, Leoni C, Menghini D, Digilio MC, Tartaglia M, Vicari S, Carlesimo GA. (2021). Recognition Memory in Noonan Syndrome. *Brain Sciences*. 11(2):169. doi: 10.3390/brainsci11020169.
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42. Lazzaro G, Bertoni S, Menghini D, **Costanzo F**, Franceschini S, Varuzza C, Ronconi L, Battisti A, Gori S, Facoetti A, Vicari S. (2021). Beyond Reading Modulation: Temporo-Parietal tDCS Alters Visuo-Spatial

Attention and Motion Perception in Dyslexia. *Brain Sciences* 19;11(2):263. doi: 10.3390/brainsci11020263.

43. Dukes D, Van Herwegen J, Alessandri M, Alnemary F, Rad JA, Lavenex PB, Bolshakov N, Bölte S, Buffle P, Cai RY, Campos R, Chirita A, Costa AP, **Costanzo F**, di Poi G, Des Portes V, Faivre L, Famelart N, Fisher M, Gamaionova L, Giannadou A, Gupta R, Hardan AY, Houdayer F, Masaryk H, Hugon A, Klein-Tasman BP, Kovani P, Lavenex P, Libove R, Malik S, Mari F, Martínez-Castilla P, Menghini D, Meuleman B, Nuske HJ, Palikara O, Papageorgiou A, Papon A, Pegg A, Poustka L, Prosetzky L, Renieri A, Reza H, Rhodes S, Riby D, Rossi M, Lyon CB, Sadeghi S, Beheshti S, Stallmann L, Squillaci M, Su X, Tai HC, Tran M, Treichel N, Tynan F, Uljarević M, Van Hecke M, Veiga G, Verloes A, Vicari S, Werneck-Rohrer S, Zander E, Samson AC. (2021). Introducing the COVID-19 crisis Special Education Needs Coping Survey. *PsyArXiv*. Doi: 10.31234/osf.io/rtswa
44. Lazzaro G., Varuzza C., **Costanzo F.**, Fucà E., Di Vara S., De Matteis M.E., Vicari S. and Menghini D. Memory Deficits in Children with Developmental Dyslexia: A Reading-Level and Chronological-Age Matched Design. *Brain Sciences* (2021), 11, 40. <https://doi.org/10.3390/brainsci11010040>
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51. Pontillo M, **Costanzo F**, Menghini D, Averna R, Santonastaso O, Tata MC, Vicari S. Use of Transcranial Direct Stimulation in the Treatment of Negative Symptoms of Schizophrenia. *Clinical EEG Neuroscencei*. (2018) 49(1):18-26. doi: 10.1177/1550059417746531.
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54. Vicari S, **Costanzo F**, Menghini D. Memory and Learning in Intellectual Disability. *International Review of Research in Developmental Disabilities* (2016) 50(4), ISSN 2211-6095, doi: 10.1016/bs.irrdd.2016.05.003.
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56. **Costanzo F**, Varuzza C, Rossi S, Sdoia S, Varvara P, Oliveri M, Koch G, Vicari S, Menghini D. Reading changes in children and adolescents with dyslexia after transcranial direct current stimulation. *Neuroreport*. (2016) 27(5):295-300.doi: 10.1097/WNR.0000000000000536

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Chapter in Books

1. Brain recovery in childhood: the interaction between developmental plasticity and regenerative mechanisms. **Costanzo F.**, Fucà E. Menghini D., Vicari S. (2023). In: *Neurobiological and Psychological Aspects of Brain Recovery*, a cura di Laura Petrosini. Springer Book.
2. La reeducation cognitive et les changements neuronaux chez les adultes dyslexiques. **Costanzo F.**, Vicari S., Menghini D. In: *La dyslexie a l'age adulte*, a cura di Cole P., Cavalli E, Duncan L.G. (2020). De Boeck, Parigi.
3. I disturbi specifici di apprendimento. Menghini D., Facoetti A., **Costanzo F.**, Franceschini S., Gori S. e Vicari S. In: *Neuropsicologia dell'età evolutiva: prospettive teoriche e cliniche*, a cura di Vicari S. e Caselli M.C. (2017). Il Mulino, Bologna.
4. Memoria e apprendimento. Vicari S., **Costanzo F.** e Carlesimo GA. In: *Neuropsicologia dell'età evolutiva: prospettive teoriche e cliniche*, a cura di Vicari S. e Caselli M.C. (2017). Il Mulino, Bologna.
5. ADHD: terapia di base, casi resistenti e comorbidità. Vicari S., **Costanzo F.**, Vitiello B. In: *Manuale Pratico di Terapia Integrata in Psichiatria dell'Età Evolutiva*, a cura di Vicari S., Vitiello B. (2015) Il pensiero Scientifico Editore.
6. La neuropsicologia e la dimensione intersoggettiva. **Costanzo F.**, Vicari S., Sparaci S. e Valeri G. In: *L'autismo: Dalla diagnosi al trattamento*, a cura di Vicari S., Valeri G., Fava L. (2012) Il mulino.

7. Memory and frontal lobe in typical and atypical development. Vicari S, **Costanzo F.**, Varvara P., Menghini D. In D. Riva, C. Nijokiktjen and S. Bulgheroni (eds.), Brain Lesion Localization and Developmental Functions (2011) John Libbey Eurotext.
8. La lettura. Alfieri P., **Costanzo F.**, Piccini G., Vicari S. In: Lettura, scrittura e calcolo nella sindrome di down. Percorsi di intervento, a cura di L. Marotta, D. Menghini, S. Vicari. (2011). Ed. Centro Studi Erickson.
9. La memoria. S. Vicari, **F. Costanzo** e G.A. Carlesimo In: Neuropsicologia dello Sviluppo, a cura di Vicari S. e Caselli M.C. (2010). Il mulino
10. Le disabilità intellettive (DI) Introduzione. D. Menghini e **F. Costanzo**. In: Presa in carico e intervento nei disturbi dello sviluppo, a cura di L. Marotta, M. Pieretti E. Mariani (2009). Ed. Centro Studi Erickson.

Grants and Fundings

1. PI al Grant Jerome Lejeune Foundation (Francia) 2023: "Brain-directed treatment to improve language in children and adolescents with Down syndrome: the efficacy of transcranial direct current stimulation treatment coupled with linguistic training (50.000,00 euro).
2. PI on the Pre-Commercial Procurement for the implementation of a research and development project concerning Italy "Innovative Virtual and Augmented Reality Applications for people with an Autism Spectrum Condition (ASC)" - Phase I. AGID Agency for Digital (€16,900.00)
3. co-PI on the Grant of the Lazio Region Call 2021: "FITOAUT: Endocannabinoids and phytocannabinoids in Autism: from new biomarkers to innovative nutraceuticals." Resp. Viviana Trezza. (€74,965.00).
4. PI on the Italian Ministry of Health Grant GR-2018-12368336: "New treatment perspectives in adolescents with Anorexia Nervosa: the efficacy of noninvasive brain-directed treatment" (420,800.00 euro)
5. Co-investigator on the Grant Jerome Lejeune Foundation (France) 2015: "Evaluation of a clinically-used Cl- transporter inhibitor to rescue cognitive functions in Down syndrome. A randomized, double blind, placebo-controlled study" P.I. Stefano Vicari (40.000,00 euros).
6. P.I. on the Grant 2013-2014: "Psychopathological comorbidity and appropriateness of psychiatric treatments in Intellectual Disability: the case of Williams Syndrome" from the association "Autour des Williams," France (17,500.00 euros).
7. Co-investigator on the Italian Ministry of Health Grant GR-2010-2319328: "Transcranial direct current stimulation in the treatment of dyslexia: a randomized double-blind study". P.I. Deny Menghini (260,400.00 euro)

International Research Tasks

2023 – Member of the "Science & Society Committee" of the Trisomy 21 Research Society (T21RS).

Goal: To promote the dissemination of scientific discoveries related to Down syndrome to the general public and families.

2019- Member of the "Clinical Child Developmental Committee" of the Trisomy 21 Research Society (T21RS). Goal: To increase knowledge of the cognitive and behavioral developmental trajectory of children and adolescents with Down syndrome (DS).

2018- Member of the international consortium "The Autism Spectrum Disorders International Consortium (ASDIC)." Goal: To improve treatment procedures, research and cultural approaches on autism spectrum disorders in low- and middle-income countries.

I authorize the processing of these data in accordance with current legislation. Aware of the criminal sanctions referred to in art.76 of the D.P.R. n.445 / 2000 in the case of false declarations, training and use of false deeds, I declare that the above is true

SIGNED

Rome, June 6th, 2025

