CURRICULUM VITAE

Paolo Alfieri

PLACE AND DATE OF BIRTH: Catanzaro, Italy, Lug 22th , 1975.

NATIONALITY: Italian

PRESENT ADDRESS: Via del Forte Boccea 121 00167 Rome, Italy.

E-MAIL: paolo.alfieri@opbg.net

EDUCATION:

1988-1993: High School: Classical Lyceum "G. Galluppi", Catanzaro.

1993-2002: "La Sapienza" University of Rome, School of Medicine.

2002-2007: Board in Child Neurology and Psychiatry , Catholic University of Rome Faculty of Medicine, University of Rome.

2007: PhD in Clinical Neuroscience (in progress)

2009: Research Fellowship for Neuropsychiatric Unit, Departement of Neuroscience, IRCCS Ospedale Pediatrico Bambino Gesù of Rome

FOREIGN LANGUAGES:

good knowledge of English language.

QUALIFICATIONS:

1993: Diploma at Classical Lyceum with marks 58/60.

2002: Degree in Medicine at the University of Rome whit the experimental thesis: "Percezione dei genitori di disturbo psicopatologico nei bambini con DSA".

2002: State examination of the School of Medicine.

2007: Board in Child Neurology and Psychiatry with marks 50/50 e lode with the experimental thesis ‘‘Profilo cognitivo in pazienti con mutazioni nella cascata RAS/MAP Chinasi"

LIST OF PUBLICATIONS ON INTERNATIONAL JOURNALS:

Tiziano FD, Bertini E, Messina S, Angelozzi C, Pane M, D'Amico A, **Alfieri P**, Fiori S, Battini R, Berardinelli A, Boffi P, Bruno C, Cini C, Minetti C, Mongini T, Morandi L, Orcesi S, Pelliccioni M, Pini A, Villanova M, Vita G, Locatelli M, Mercuri E, Brahe C. The Hammersmith functional score correlates with the SMN2 copy number: A multicentric study. Neuromuscul Disord. 2007 Apr 11

Pane M, Staccioli S, Messina S, D'Amico A, Pelliccioni M, Mazzone ES, Cuttini M, **Alfieri P**, Battini R, Main M, Muntoni F, Bertini E, Villanova M, Mercuri E. Daily salbutamol in young patients with SMA type II. Neuromuscolar disorders 2008 June 23; Epub ahead of print.

Laura Cesarini[1], Paolo **Alfieri**[1], Francesca Pantaleoni, Isabella Vasta, Marta Cerutti, Valentina Petrangeli, Paolo Mariotti, Chiara Leoni, Daniela Ricci, Stefano Vicari, Angelo Selicorni, Marco Tartaglia, Eugenio Mercuri, Giuseppe Zampino. Cognitive profile of disorders associated with dysregulation of the RAS/MAPK signaling cascade. American journal of Medical Genetics. 2009 Feb;149A(2):140-6.

Visual function in Noonan and LEOPARD syndrome. **Alfieri P**, Cesarini L, Zampino G, Pantaleoni F, Selicorni A, Salerni A, Vasta I, Cerutti M, Dickmann A, Colitto F, Staccioli S, Leoni C, Ricci D, Brogna C, Tartaglia M, Mercuri E. Neuropediatrics. 2008 Dec;39(6):335-40. Epub 2009 Jun 30.

Mazzone ES, Messina S, Vasco G, Main M, Eagle M, D'Amico A, Doglio L, Politano L, Cavallaro F, Frosini S, Bello L, Magri F, Corlatti A, Zucchini E, Brancalion B, Rossi F, Ferretti M, Motta MG, Cecio MR, Berardinelli A, **Alfieri P**, Mongini T, Pini A, Astrea G, Battini R, Comi G, Pegoraro E, Morandi L, Pane M, Angelini C, Bruno C, Villanova M, Vita G, Donati MA, Bertini E, Mercuri E. Reliability of the North Star Ambulatory Assessment in a multicentric setting.Neuromuscul Disord. 2009 Jul;19(7):458-61. Epub 2009 Jun 23.

De Rose P, Perrino F, Lettori D, **Alfieri P**, Cesarini L, Battaglia D, Ricci D, Guzzetta F, Mercuri E. Visual and visuoperceptual function in children with Panayiotopoulos syndrome. Epilepsia. 2010 Jan 7.

Ricci D, Cesarini L, Gallini F, Serrao F, Leone D, Baranello G, Cota F, Pane M, Brogna C, De Rose P, Vasco G, **Alfieri P**, Staccioli S, Romeo DM, Tinelli F, Molle F, Lepore D, Baldascino A, Ramenghi LA, Torrioli MG, Romagnoli C, Cowan F, Atkinson J, Cioni G, Mercuri E. Cortical Visual Function in Preterm Infants in the First Year.J Pediatr. 2010 Apr;156(4):550-555.Epub2010 Jan 13.

Gallini F, Baranello G, Serrao F, **Alfieri P**, Cota F, Maggio L, Tamburrini G, Romagnoli C, Mercuri E. External hydrocephalus in discordant birth weight twins: a case report. J Matern Fetal Neonatal Med. 2010 Jul 7. [Epub ahead of print]

Dileone M, Profice P, Pilato F, **Alfieri P**, Cesarini L, Mercuri E, Leoni C, Tartaglia M, Di Iorio R, Zampino G, Di Lazzaro V. Enhanced human brain associative plasticity in Costello syndrome.J Physiol. 2010 Sep 15;588(Pt 18):3445-56. Epub 2010 Jul 26.

Alfieri P, Cesarini L, Mallardi M, Piccini G, Caciolo C, Leoni C, Mirante N, Pantaleoni F, Digilio MC, Gambardella ML, Tartaglia M, Vicari S, Mercuri E, Zampino G. Long Term Memory Profile of Disorders Associated with Dysregulation of the RAS-MAPK Signaling Cascade.Behav Genet. 2011 Jan 28. [Epub ahead of print]

Della Marca G, Leoni C, Dittoni S, Battaglia D, Losurdo A, Testani E, Colicchio S, Gnoni V, Gambardella ML, Mariotti P, **Alfieri P**, Tartaglia M, Zampino G.Increased sleep spindle activity in patients with Costello syndrome (HRAS gene mutation). J Clin Neurophysiol. 2011 Jun;28(3):314-8.

Alfieri P, Cesarini L, De Rose P, Ricci D, Selicorni A, Menghini D, Guzzetta A, Baranello G, Tinelli F, Mallardi M, Zampino G, Vicari S, Atkinson J, Mercuri E. Visual processing in Noonan syndrome: Dorsal and ventral stream sensitivity. Am J Med Genet A. 2011 Sep 9. doi: 10.1002/ajmg.a.34229. [Epub ahead of print]

Pane M, Lombardo ME, **Alfieri P**, D'Amico A, Bianco F, Vasco G, Piccini G, Mallardi M, Romeo DM, Ricotti V, Ferlini A, Gualandi F, Vicari S, Bertini E, Berardinelli A, Mercuri E. Attention deficit hyperactivity disorder and cognitive function in Duchenne muscular dystrophy: phenotype-genotype correlation. J Pediatr. 2012 Oct;161(4):705-9.e1. doi: 10.1016/j.jpeds.2012.03.020. Epub 2012 May 5.

Lo-Castro A, Brancati F, Digilio MC, Garaci FG, Bollero P, **Alfieri P**, Curatolo P.Neurobehavioral phenotype observed in KBG syndrome caused by ANKRD11 mutations. Am J Med Genet B Neuropsychiatr Genet. 2013 Jan;162(1):17-23. doi: 10.1002/ajmg.b.32113. Epub 2012 Nov 26.

Pane M, Scalise R, Berardinelli A, D'Angelo G, Ricotti V, **Alfieri P**, Moroni I, Hartley L, Pera MC, Baranello G, D'Amico A, Romeo D, Graziano A, Gandioli C, Bianco F, Lombardo ME, Scoto MC, Palermo C, Gualandi F, Ferlini A, Morandi L, Bertini E, Muntoni F, Mercuri E. Early neurodevelopmental assessment in Duchenne muscular dystrophy. Neuromuscolar Disorders 2013 Jun;23(6):451-5. doi: 10.1016/j.nmd.2013.02.012. Epub 2013 Mar 25.

Fusco C, Micale L, Augello B, Teresa Pellico M, Menghini D, **Alfieri P**, Cristina Digilio M, Mandriani B, Carella M, Palumbo O, Vicari S, Merla G. Smaller and larger deletions of the Williams Beuren syndrome region implicate genes involved in mild facial phenotype, epilepsy and autistic traits. Eur J Hum Genet. 2014 Jan;22(1):64-70. doi: 10.1038/ejhg.2013.101. Epub 2013 Jun 12.

Alfieri P, Piccini G, Caciolo C, Perrino F, Gambardella ML, Mallardi M, Cesarini L, Leoni C, Leone D, Fossati C, Selicorni A, Digilio MC, Tartaglia M, Mercuri E, Zampino G, Vicari S. Behavioral profile in RASopathies. American journal of Medical Genetics.part A Am J Med Genet A. 2014 Apr;164A(4):934-42. doi: 10.1002/ajmg.a.36374. Epub 2014 Jan 23

Alfieri P, Caciolo C, Piccini G, D'Elia L, Valeri G, Menghini D, Tartaglia M, Digilio MC, Dallapiccola B, Vicari S. Behavioral phenotype in Costello syndrome with atypical mutation: A case report. Am J Med Genet B Neuropsychiatr Genet. 2015 Jan;168B(1):66-71. doi: 10.1002/ajmg.b.32279. Epub 2014 Nov 4.

Gazzellini S, D'Amico A, Pane M, Castelli e, Vicari S, **Alfieri P**. Developmental lag of visuospatial attention in Duchenne muscular dystrophy. Research in Developmental Disabilities. 2014 Oct 14;36C:55-61. doi: 10.1016/j.ridd.2014.09.021. [Epub ahead of print]

De Crescenzo F, Licchelli S, Ciabattini M, Menghini D, Armando M, **Alfieri P**, Mazzone L, Quested D, Vicari S. The use of actigraphy in the monitoring of sleep and activity in ADHD: a meta-analysis. Sleep Med Rev. 2016 Apr;26:9-20. doi: 10.1016/j.smrv.2015.04.002. Epub 2015 Apr 23. Review

Chieffo D, Brogna C, Berardinelli A, D'Angelo G, Mallardi M, D'Amico A, **Alfieri P**, Mercuri E, Pane M.PLoS One. 2015 Aug 14;10(8):e0133214. doi: 10.1371/journal.pone.0133214. eCollection 2015.Early Neurodevelopmental Findings Predict School Age Cognitive Abilities in Duchenne Muscular Dystrophy: A Longitudinal Study.

Zanni G, Kalscheuer VM, Friedrich A, Barresi S, **Alfieri P**, Di Capua M, Haas SA, Piccini G, Karl T, Klauck SM, Bellacchio E, Emma F, Cappa M, Bertini E, Breitenbach-Koller L. A Novel Mutation in RPL10 (Ribosomal Protein L10) Causes X-Linked Intellectual Disability, Cerebellar Hypoplasia, and Spondylo-Epiphyseal Dysplasia. Hum Mutat. 2015 Dec;36(12):1155-8. doi: 10.1002/humu.22860. Epub 2015 Sep 14.

Barresi S, Niceta M, **Alfieri P**, Brankovich V, Piccini G, Bruselles A, Barone MR, Cusmai R, Tartaglia M, Bertini E, Zanni G. Mutations in the IRBIT domain of ITPR1 are a frequent cause of autosomal dominant nonprogressive congenital ataxia. Clin Genet. 2017 Jan;91(1):86-91. doi: 10.1111/cge.12783. Epub 2016 May 11.

Vicari S, Costanzo F, Armando M, Carbonara G, Varvara P, Caciolo C, Gagliardi C, Gianesini T, **Alfieri P**, Capolino R and Menghini D Detecting Psychiatric Profile in Genetic Syndromes: A Comparison of Down Syndrome and Williams Syndrome Genet Syndr Gene Ther 2016, 7:1 http://dx.doi.org/10.4172/2157-7412.1000279 2017

Compagnucci C, Barresi S, Petrini S, Billuart P, Piccini G, Chiurazzi P, **Alfieri P**, Bertini E, Zanni G ROCK inhibition is essential during in vitro neurogenesis and promotes phenotypic rescue of human iPSCs-derived neurons with Oligophrenin-1 loss of function Stem Cells Jul;5(7):860-9. doi: 10.5966/sctm.2015-0303. Epub 2016 May 9.

Bulgheroni S, D'Arrigo S, Signorini S, Briguglio M, Di Sabato ML, Casarano M, Mancini F, Romani M, **Alfieri P**, Battini R, Zoppello M, Tortorella G, Bertini E, Leuzzi V, Valente EM, Riva D. Cognitive, adaptive, and behavioral features in Joubert syndrome. Am J Med Genet A. 2016 Dec;170(12):3115-3124. doi: 10.1002/ajmg.a.37938. Epub 2016 Aug 17.

Piccini G, Menghini D, D'Andrea A, Caciolo C, Pontillo M, Armando M, Perrino F, Mandolesi L, Salerni A, Buzzonetti L, Digilio MC, Zampino G, Tartaglia M, Benassi M, Vicari S, **Alfieri P**. Visual perception skills: a comparison between patients with Noonan syndrome and 22q11.2 deletion syndrome. Genes Brain Behav. 2017 Jul;16(6):627-634. doi: 10.1111/gbb.12381. Epub 2017 May 23.

Dentici ML, Barresi S, Nardella M, Bellacchio E, **Alfieri P**, Bruselles A, Pantaleoni F, Danieli A, Iarossi G, Cappa M, Bertini E, Tartaglia M, Zanni G. Identification of novel and hotspot mutations in the channel domain of ITPR1 in two patients with Gillespie syndrome. Gene. 2017 Sep 10;628:141-145. doi: 10.1016/j.gene.2017.07.017. Epub 2017 Jul 8.

Alfieri P, Menghini D, Marotta L, De Peppo L, Ravà L, Salvaguardia F, Varuzza C, Vicari S. A comparison between linguistic skills and socio-communicative abilities in Williams syndrome. J Intellect Disabil Res. 2017 Sep;61(9):866-876. doi: 10.1111/jir.12401. Epub 2017 Jul 26.

Perrino F, Licchelli S, Serra G, Piccini G, Caciolo C, Pasqualetti P, Cirillo F, Leoni C, Digilio MC, Zampino G, Tartaglia M, **Alfieri P**, Vicari S. Psychopathological features in Noonan syndrome. Eur J Paediatr Neurol. 2018 Jan;22(1):170-177. doi: 10.1016/j.ejpn.2017.09.009. Epub 2017 Sep 28.

Foti F, Menghini D, **Alfieri P**, Costanzo F, Mandolesi L, Petrosini L, Vicari S. Learning by observation and learning by doing in Down and Williams syndromes. Dev Sci. 2017 Dec 26. doi: 10.1111/desc.12642. [Epub ahead of print]

Lepri FR, Cocciadiferro D, Augello B, **Alfieri P**, Pes V, Vancini A, Caciolo C, Squeo GM, Malerba N, Adipietro I, Novelli A, Sotgiu S, Gherardi R, Digilio MC, Dallapiccola B, Merla G. Clinical and Neurobehavioral Features of Three Novel Kabuki Syndrome Patients with Mosaic KMT2D Mutations and a Review of Literature. Int J Mol Sci. 2017 Dec 28;19(1). pii: E82. doi: 10.3390/ijms19010082.

Battini R, Chieffo D, Bulgheroni S, Piccini G, Pecini C, Lucibello S, Lenzi S, Moriconi F, Pane M, Astrea G, Baranello G, **Alfieri P**, Vicari S, Riva D, Cioni G, Mercuri E. Cognitive profile in Duchenne muscular dystrophy boys without intellectual disability: The role of executive functions.Neuromuscul Disord. 2018 Feb;28(2):122-128. doi: 10.1016/j.nmd.2017.11.018. Epub 2017 Dec 6.

Vicari S, Piccini G, Mercuri E, Battini R, Chieffo D, Bulgheroni S, Pecini C, Lucibello S, Lenzi S, Moriconi F, Pane M, D'Amico A, Astrea G, Baranello G, Riva D, Cioni G, **Alfieri P**. Implicit learning deficit in children with Duchenne muscular dystrophy: Evidence for a cerebellar cognitive impairment? PLoS One. 2018 Jan 16;13(1):e0191164. doi: 10.1371/journal.pone.0191164. eCollection 2018.

Caciolo C, **Alfieri P**, Piccini G, Digilio MC, Lepri FR, Tartaglia M, Menghini D, Vicari S. Neurobehavioral features in individuals with Kabuki syndrome. Mol Genet Genomic Med. 2018 Mar 13. doi: 10.1002/mgg3.348. [Epub ahead of print]

Licchelli Serena**, Alfieri Paolo**, Caciolo Cristina, Perrino Francesca, Mallardi Maria, Veltri Stefania, Casini Maria Pia, Digilio Maria Cristina, Selicorni Angelo, Zampino Giuseppe, Tartaglia Marco, Menghini Deny, Serra Giulia, and Vicari Stefano Child behavior checklist emotional dysregulation profiles in RASopathies. Neuropsychiatry (London) in press

Testi

-“Neurology of the infant” F. Guzzetta 2009 Chapter 12 “The infant with neuromuscular disorders” pag 305-316 Eugenio Mercuri, Paolo Alfieri, Marika Pane. John Liddey euro text

-“Lettura, scrittura e calcolo nella syndrome di Down” Percorsi di intervento (a cura di) Luigi Marotta, Deny Menghini, Stefano Vicari, 2011, Chapter 1 “La lettura”. Erickson

-“Psichiatria pratica dell’età evolutiva”, Chapter 1 “Il ritardo mentale o disabilità intellettiva”. Il Pensiero Scientifico

-Disabilità intellettiva a scuola, 2014, Chapter 7 pp. 219-222. Erickson
-“Manuale Pratico di Terapia Integrata in Psichiatria dell’Età Evolutiva”Chapter: Il Ritardo Mentale e comorbidità psichiatrica. Il Pensiero Scientifico. 2015.

-Neuropsicologià età evolutiva (a cura di Stefano Vicari e Maria Cristina Caselli) Chapter La disabilità intellettiva e sindromi genetiche, Il mulino. *2017*

- Disabilità e sindromi genetiche (A cura di Paolo Alfieri e Stefano Vicari) Erickson 2018

Trial clinici condotti

-Trial clinico drug PTC 124 in patients with Duchenne muscular Dystrophy, anno 2008 Policlinico Gemelli
-Trial clinico drug Cafq056a2204 (novartis) in patients affected by X-Fragile, anno 2008 Policlinico Gemelli
-Protocollo Roche BP25612/C: BP25612 Study A multicenter, longitudinal, non-drug study to assess the suitability of neurocognitive tests and functioning scales for the measurement of cognitive and functioning changes in individuals with Down Syndrome Bambino Gesu’ Children Hospital Roma, 2013

- BP27832 CLEMATIS: A MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED PHASE 2 STUDY OF THE EFFICACY, SAFETY AND TOLERABILITY OF RO5186582 IN ADULTS AND ADOLESCENTS WITH DOWN SYNDROME Bambino Gesu’ Children Hospital Rome, 2016

Corsi/Master ed attività di docenza

- Genetica Pediatrica Online Class: “Approccio metodologico al bambino con sindrome malformativa” anno 2007
-Master “psicofarmacologia età evolutiva” University of Pisa anno 2010
-a.a. 2007/2008: teaching “Neuropsichiatria Infantile” Course “Assistenza sanitaria” Policlinico Universitario “A. Gemelli” di Roma
-a.a.2009/2010: teaching “Neuropsichiatria Infantile” course Terapia della neuro e Psicomotricità età evolutiva Policlinico Universitario “A. Gemelli” di Roma
-a.a. 2010/2011 e 2011/2012: teaching “Neuropsicologia dello sviluppo” Course Terapia della neuro e Psicomotricità età evolutiva Policlinico Universitario “A. Gemelli” di Roma
-a.a. 2011/2012 e 2012/2013 Teaching Scuola di specializzazione psicoterapia Humanitas Roma
-a.a. 2012/2013 e 2013/2014 teaching “Neuropsichiatria Infantile” Course Corso di Laurea in Fisioterapia University "Tor Vergata"
-a.a 2012/2013 "Neuropsichiatria infantile” Course of laurea in infermieristica presso Ospedale Forlanini (convention with Sapienza University of Rome).
-a.a 2013 teaching MASTER UNIVERSITARIO first level NEUROPSICOLOGIA DELL’ETA’ EVOLUTIVA Università Lumsa, Consorzio Universitario Humanitas
-a.a. 2013 teaching MASTER UNIVERSITARIO second level NEUROPSICOLOGIA DSA University of Urbino
-a.a.2014 teaching MASTER UNIVERSITARIO DI 1° LIVELLO in NEUROPSICOLOGIA
-a.a. 2015 teaching MASTER UNIVERSITARIO DI 1° LIVELLO in NEUROPSICOLOGIA DELL’ETA’ EVOLUTIVA e presso MASTER UNIVERSITARIO DI 1° LIVELLO in DSA e DISTURBI DEL LINGUAGGIO Università Lumsa, Consorzio Universitario Humanitas
-Luglio 2016 Teaching Master Erickson in Neuropsicologia dei disturbi del Neurosviluppo Modulo: la disabilità intellettiva c/o Istituto RETE SRLS
-Giugno 2017 Teaching Master Erickson in Neuropsicologia dei disturbi del Neurosviluppo Modulo: la disabilità intellettiva c/o Istituto RETE SRLS

Ottobre 2018 Teaching Master Erickson in Neuropsicologia dei disturbi del Neurosviluppo Modulo: la disabilità intellettiva c/o Istituto RETE SRLS

Roma, 22/11/2018