PASQUALE STRIANO, MD, PhD

Date of birth: 30/May/1975
Place of birth: Napoli
Nationality: Italian

Full Address
Pediatric Neurology and Muscular Diseases Unit
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EDUCATION
1999: MD Degree in Medicine and Surgery with honor at University of Naples
2004: Neurology Specialty with honor at University of Naples
2004-2008: PhD student at Epilepsy Center, Federico II University, Napoli
2017: Pediatrics Specialty with honor, University of Turin

TRAINING AND ACADEMIC CAREER
2005-2006: Fellowship at Muscular and Neurodegenerative Disease Unit, G. Gaslini Institute, Genova
2007- 2009: Post-Doctorate in Neuroscience at Gaslini Institute, Genova
2010: Research Associate, University of Genova, Pediatric Neurology and Muscular Diseases Unit, University of Genoa, "G. Gaslini" Institute, Genova, Italy
2014: Associate Professor of Pediatrics, University of Genoa, "G. Gaslini" Institute, Genova, Italy
2021: Full Professor of Pediatrics, University of Genoa, "G. Gaslini" Institute, Genova, Italy

OTHER PROFESSIONAL EXPERIENCES
2000-2014 Member of International League Against Epilepsy (ILAE)
2000-2014 Member of Italian League Against Epilepsy (LICE)
2009-2014 Member of Italian League of Paediatric Neurology (SINP)
2002-2011 Member of Italian Neurology Association (SIN)

AWARDS AND HONORS
2012 Young Investigator European Award for Epileptology (ILAE)

CURRENT EMPLOYMENT
Full Professor of Pediatrics, University of Genova, "G. Gaslini" Institute, Genova, Italy

MAIN GRANTS

Italian Healthy Minister grants with the projects 'Genetic and functional analysis of CNV affection ion channels in familial idiopathic epilepsy (GR-2009-1473821); 'Identification of new genes for rare neurodevelopmental disorders by homozygosity mapping/next generation sequencing and functional studies in zebrafish' (€ 420.000,00) (GR-2011-02346749); Bando 'Fondazione LICE' 2020: new strategies to increase Glucose transport across the Blood Brain Barrier (€ 40.000); Bando Fondazione S. Paolo 2019: "New therapeutic strategy (noncoding rnas) for curing synapthoipathies'' (€ 155.350)

EDITORIAL ROLES

2008-2015: Associate Editor of The Open Neurosurgery Journal
2013-2018: Associate Editor of Advances in Medicine (Neurology Section), Molecular & Cellular Epilepsy, International Neuropsychiatric Disease Journal
2013-2017: Editorial Board of Epilepsia and World Journal of Neurology
2014-2018: Editorial Board of International Journal of Neurology Research
2015-2018: Editorial Board of Clinical Cases and Reviews in Epilepsy
2018-2021: Associate Editor of 'Epilepsia Open'

RESEARCH FOCUS OVERVIEW

The main field of interest is molecular genetics of idiopathic epilepsies with a special interest in clinical assessment of children with epilepsy and genotype-phenotype correlations. As a board certified neurologist and pediatric neurologist, I have conducted translational studies on different forms of genetic epilepsies and I have participated to clinical trials of antiepileptic drugs in patients affected by seizure disorders. I have contributed to dissect the genetics of genetic developmental epileptic encephalopathies

SCOPUS AUTHOR's IMPACT OVERVIEW

Official H index: 60

ORCID ID 0002-6065-1476

Scopus Author ID 6701766775

Documents by author: 693

15197 Citations by 10485 documents

RECENT SELECTED PUBLICATIONS

1. Yap ZY, Efthymiou S, Seiffert S, Vargas Parra K, Lee S, Nasca A, Maroofian R, Schrauwen I, Pendziwiat M, Jung S, Bhoj E, **Striano P**, Mankad K, Vona B, Cuddapah S, Wagner A, Alvi JR, Davoudi-Dehaghani E, Fallah MS, Gannavarapu S, Lamperti C, Legati A, Murtaza BN, Nadeem MS, Rehman MU, Saeidi K, Salpietro V, von Spiczak S, Sandoval A, Zeinali S, Zeviani M, Reich A; SYNaPS Study Group; University of Washington Center for Mendelian Genomics, Jang C, Helbig I, Barakat TS, Ghezzi D, Leal SM, Weber Y, Houlden H, Yoon WH. Bi-allelic variants in OGDHL cause a neurodevelopmental spectrum disease featuring epilepsy, hearing loss, visual impairment, and ataxia. Am J Hum Genet. 2021 Dec 2;108(12):2368-2384. ***IF: 11***
2. Accogli A, Wiegand G, Scala M, Cerminara C, Iacomino M, Riva A, Carlini B, Camerota L, Belcastro V, Prontera P, Fernández-Jaén A, Bebek N, Scudieri P, Baldassari S, Salpietro V, Novelli G, De Luca C, von Stülpnagel C, Kluger F, Kluger GJ, Wohlrab GC, Ramantani G, Lewis-Smith D, Thomas RH, Lai M, Verrotti A, Striano S, Depienne C, Minetti C, Benfenati F, Brancati F, Zara F, **Striano P**. Clinical and Genetic Features in Patients With Reflex Bathing Epilepsy. Neurology. 2021 Aug 10;97(6):e577-e586. ***IF: 8.4***

3. Johannesen KM, Liu Y, Koko M, Gjerulfsen CE, Sonnenberg L, Schubert J, Fenger CD, Eltokhi A, Rannap M, Koch NA, Lauxmann S, Krüger J, Kegele J, Canafoglia L, Franceschetti S, Mayer T, Rebstock J, Zacher P, Ruf S, Alber M, Sterbova K, Lassuthová P, Vlckova M, Lemke JR, Platzer K, Krey I, Heine C, Wieczorek D, Kroell-Seger J, Lund C, Klein KM, Billie Au PY, Rho JM, Ho AW, Masnada S, Veggiotti P, Giordano L, Accorsi P, Hoei-Hansen CE, **Striano P**, Zara F, Verhelst H, Verhoeven JS, van der Zwaag B, Harder AVE, Brilstra E, Pendziwiat M, Lebon S, Vaccarezza M, Minh Le N, Christensen J, Grønborg S, Scherer SW, Howe J, Fazeli W, Howell KB, Leventer R, Stutterd C, Walsh S, Gerard M, Gerard B, Matricardi S, Bonardi CM, Sartori S, Berger A, Hoffman-Zacharska D, Mastrangelo M, Darra F, Vøllo A, Motazacker MM, Lakeman P, Nizon M, Betzler C, Altuzarra C, Caume R, Roubertie A, Gélisse P, Marini C, Guerrini R, Bilan F, Tibussek D, Koch-Hogrebe M, Perry MS, Ichikawa S, Dadali E, Sharkov A, Mishina I, Abramov M, Kanivets I, Korostelev S, Kutsev S, Wain KE, Eisenhauer N, Wagner M, Savatt JM, Müller-Schlüter K, Bassan H, Borovikov A, Nassogne MC, Destrée A, Schoonjans AS, Meuwissen M, Buzatu M, Jansen A, Scalais E, Srivastava S, Tan WH, Olson HE, Loddenkemper T, Poduri A, Helbig KL, Helbig I, Fitzgerald MP, Goldberg EM, Roser T, Borggraefe I, Brünger T, May P, Lal D, Lederer D, Rubboli G, Heyne HO, Lesca G, Hedrich UBS, Benda J, Gardella E, Lerche H, Møller RS. Genotype-phenotype correlations in SCN8A-related disorders reveal prognostic and therapeutic implications. Brain. 2021 Aug 25:awab321. doi: 10.1093/brain/awab321. Online ahead of print. ***IF: 13.5***
4. Bonardi CM, Heyne HO, Fiannacca M, Fitzgerald MP, Gardella E, Gunning B, Olofsson K, Lesca G, Verbeek N, Stamberger H, **Striano P**, Zara F, Mancardi MM, Nava C, Syrbe S, Buono S, Baulac S, Coppola A, Weckhuysen S, Schoonjans AS, Ceulemans B, Sarret C, Baumgartner T, Muhle H, Portes VD, Toulouse J, Nougues MC, Rossi M, Demarquay G, Ville D, Hirsch E, Maurey H, Willems M, de Bellescize J, Altuzarra CD, Villeneuve N, Bartolomei F, Picard F, Hornemann F, Koolen DA, Kroes HY, Reale C, Fenger CD, Tan WH, Dibbens L, Bearden DR, Møller RS, Rubboli G.KCNT1-related epilepsies and epileptic encephalopathies: phenotypic and mutational spectrum. Brain. 2021 Dec 31;144(12):3635-3650. ***IF: 13.5***
5. Iannone LF, Preda A, Blottière HM, Clarke G, Albani D, Belcastro V, Carotenuto M, Cattaneo A, Citraro R, Ferraris C, Ronchi F, Luongo G, Santocchi E, Guiducci L, Baldelli P, Iannetti P, Pedersen S, Petretto A, Provasi S, Selmer K, Spalice A, Tagliabue A, Verrotti A, Segata N, Zimmermann J, Minetti C, Mainardi P, Giordano C, Sisodiya S, Zara F, Russo E, Striano P. Microbiota-gut brain axis involvement in neuropsychiatric disorders. Expert Rev Neurother 2019 Oct;19(10):1037-1050. ***IF: 3.95***
6. De Caro C, Leo A, Nesci V, Ghelardini C, di Cesare Mannelli L, Striano P, Avagliano C, Calignano A, Mainardi P, Constanti A, Citraro R, De Sarro G, Russo E. Intestinal inflammation increases convulsant activity and reduces antiepileptic drug efficacy in a mouse model of epilepsy. Sci Rep. 2019 Sep 27;9(1):13983. ***IF: 4.37***
7. Salpietro V, Malintan NT, Llano-Rivas I, Spaeth CG, Efthymiou S, **Striano P**, Vandrovcova J, Cutrupi MC, Chimenz R, David E, Di Rosa G, Marce-Grau A, Raspall-Chaure M, Martin-Hernandez E, Zara F, Minetti C; Deciphering Developmental Disorders Study; SYNAPS Study Group, Bello OD, De Zorzi R, Fortuna S, Dauber A, Alkhawaja M, Sultan T, Mankad K, Vitobello A, Thomas Q, Mau-Them FT, Faivre L, Martinez-Azorin F, Prada CE, Macaya A, Kullmann DM, Rothman JE, Krishnakumar SS, Houlden H. Mutations in the Neuronal Vesicular SNARE VAMP2 Affect Synaptic Membrane Fusion and Impair Human Neurodevelopment. Am J Hum Genet. 2019 ;104(4):721-730. ***IF: 9.025***
8. Ghosh SG, Becker K, Huang H, Dixon-Salazar T, Chai G, Salpietro V, Al-Gazali L, Waisfisz Q, Wang H, Vaux KK, Stanley V, Manole A, Akpulat U, Weiss MM, Efthymiou S, Hanna MG, Minetti C, **Striano P**, Pisciotta L, De Grandis E, Altmüller J, Nürnberg P, Thiele H, Yis U, Okur TD, Polat AI, Amiri N, Doosti M, Karimani EG, Toosi MB, Haddad G, Karakaya M, Wirth B, van Hagen JM, Wolf NI, Maroofian R, Houlden H, Cirak S, Gleeson JG. Biallelic Mutations in ADPRHL2, Encoding ADP-Ribosylhydrolase 3, Lead to a Degenerative Pediatric Stress-Induced Epileptic Ataxia Syndrome. Am J Hum Genet. 2018;103(5):826. ***IF: 9.025***
9. Heyne HO, Singh T, Stamberger H, Abou Jamra R, Caglayan H, Craiu D, De Jonghe P, Guerrini R, Helbig KL, Koeleman BPC, Kosmicki JA, Linnankivi T, May P, Muhle H, Møller RS, Neubauer BA, Palotie A,

Pendziwiat M, **Striano P**, Tang S, Wu S; EuroEPINOMICS RES Consortium, Poduri A, Weber YG, Weckhuysen S, Sisodiya SM, Daly MJ, Helbig I, Lal D, Lemke JR. De novo variants in neurodevelopmental disorders with epilepsy. Nat Genet. 2018;50(7):1048-1053. **IF: 27.12**

10. Brainstorm Consortium, Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, Patsopoulos NA, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenneur L, Hannequin D, Amouyel P, Boland A, Deleuze JF, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Nöthen MM, Rossor M, Lupton MK, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee SJ, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JI, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh KH, Cuenca-Leon E, Furlotte N, Kurth T, Ligthart L, Terwindt GM, Freilinger T, Ran C, Gordon SD, Borck G, Adams HHH, Lehtimäki T, Wedenoja J, Buring JE, Schürks M, Hrafnsdottir M, Hottenga JJ, Penninx B, Artto V, Kaunisto M, Vepsäläinen S, Martin NG, Montgomery GW, Kurki MI, Hämäläinen E, Huang H, Huang J, Sandor C, Webber C, Muller-Myhsok B, Schreiber S, Salomaa V, Loehrer E, Göbel H, Macaya A, Pozo-Rosich P, Hansen T, Werge T, Kaprio J, Metspalu A, Kubisch C, Ferrari MD, Belin AC, van den Maagdenberg AMJM, Zwart JA, Boomsma D, Eriksson N, Olesen J, Chasman DI, Nyholt DR, Avbersek A, Baum L, Berkovic S, Bradfield J, Buono R, Catarino CB, Cossette P, De Jonghe P, Depondt C, Dlugos D, Ferraro TN, French J, Hjalgrim H, Jamnadas-Khoda J, Kälviäinen R, Kunz WS, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Møller RS, Molloy A, Ng PW, Oliver K, Privitera M, Radtke R, Ruppert AK, Sander T, Schachter S, Schankin C, Scheffer I, Schoch S, Sisodiya SM, Smith P, Sperling M, **Striano** P, Surges R, Thomas GN, Visscher F, Whelan CD, Zara F, Heinzen EL, Marson A, Becker F, Stroink H, Zimprich F, Gasser T, Gibbs R, Heutink P, Martinez M, Morris HR, Sharma M, Ryten M, Mok KY, Pulit S, Bevan S, Holliday E, Attia J, Battey T, Boncoraglio G, Thijs V, Chen WM, Mitchell B, Rothwell P, Sharma P, Sudlow C, Vicente A, Markus H, Kourkoulis C, Pera J, Raffeld M, Silliman S, Boraska Perica V, Thornton LM, Huckins LM, William Rayner N, Lewis CM, Gratacos M, Rybakowski F, Keski-Rahkonen A, Raevuori A, Hudson JI, Reichborn-Kjennerud T, Monteleone P, Karwautz A, Mannik K, Baker JH, O'Toole JK, Trace SE, Davis OSP, Helder SG, Ehrlich S, Herpertz-Dahlmann B, Danner UN, van Elburg AA, Clementi M, Forzan M, Docampo E, Lissowska J, Hauser J, Tortorella A, Maj M, Gonidakis F, Tziouvas K, Papezova H, Yilmaz Z, Wagner G, Cohen-Woods S, Herms S, Julià A, Rabionet R, Dick DM, Ripatti S, Andreassen OA, Espeseth T, Lundervold AJ, Steen VM, Pinto D, Scherer SW, Aschauer H, Schosser A, Alfredsson L, Padyukov L, Halmi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos-Quiroga JA, Sánchez-Mora C, Ribasés M, Casas M, Hervas A, Arranz MJ, Haavik J, Zayats T, Johansson S, Williams N, Dempfle A, Rothenberger A, Kuntsi J, Oades RD, Banaschewski T, Franke B, Buitelaar JK, Arias Vasquez A, Doyle AE, Reif A, Lesch KP, Freitag C, Rivero O, Palmason H, Romanos M, Langley K, Rietschel M, Witt SH, Dalsgaard S, Børglum AD, Waldman I, Wilmot B, Molly N, Bau CHD, Crosbie J, Schachar R, Loo SK, McGough JJ, Grevet EH, Medland SE, Robinson E, Weiss LA, Bacchelli E, Bailey A, Bal V, Battaglia A, Betancur C, Bolton P, Cantor R, Celestino-Soper P, Dawson G, De Rubeis S, Duque F, Green A, Klauck SM, Leboyer M, Levitt P, Maestrini E, Mane S, De-Luca DM, Parr J, Regan R, Reichenberg A, Sandin S, Vorstman J, Wassink T, Wijsman E, Cook E, Santangelo S, Delorme R, Rogé B, Magalhaes T, Arking D, Schulze TG, Thompson RC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamain S, Maaser A, Fischer SB, Reinbold CS, Fullerton JM, Guzman-Parra J, Mayoral F, Schofield PR, Cichon S, Mühleisen TW, Degenhardt F, Schumacher J, Bauer M, Mitchell PB, Gershon ES, Rice J, Potash JB, Zandi PP, Craddock N, Ferrier IN, Alda M, Rouleau GA, Turecki G, Ophoff R, Pato C, Anjorin A, Stahl E, Leber M, Czerski PM, Cruceanu C, Jones IR, Posthuma D, Andlauer TFM, Forstner AJ, Streit F, Baune BT, Air T, Sinnamon G, Wray NR, MacIntyre DJ, Porteous D, Homuth G, Rivera M, Grove J, Middeldorp CM, Hickie I, Pergadia M, Mehta D, Smit JH, Jansen R, de Geus E, Dunn E, Li QS, Nauck M, Schoevers RA, Beekman AT, Knowles JA, Viktorin A, Arnold P, Barr CL, Bedoya-Berrio G, Bienvenu OJ, Brentani H, Burton C, Camarena B, Cappi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys

D, Derks EM, Dietrich A, Fernandez T, Figee M, Freimer N, Gerber G, Grados M, Greenberg E, Hanna GL, Hartmann A, Hirschtritt ME, Hoekstra PJ, Huang A, Huyser C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lochner C, Lyon GJ, Macciardi F, Madruga-Garrido M, Malaty IA, Maras A, McGrath L, Miguel EC, Mir P, Nestadt G, Nicolini H, Okun MS, Pakstis A, Paschou P, Piacentini J, Pittenger C, Plessen K, Ramensky V, Ramos EM, Reus V, Richter MA, Riddle MA, Robertson MM, Roessner V, Rosário M, Samuels JF, Sandor P, Stein DJ, Tsetsos F, Van Nieuwerburgh F, Weatherall S, Wendland JR, Wolanczyk T, Worbe Y, Zai G, Goes FS, McLaughlin N, Nestadt PS, Grabe HJ, Depienne C, Konkashbaev A, Lanzagorta N, Valencia-Duarte A, Bramon E, Buccola N, Cahn W, Cairns M, Chong SA, Cohen D, Crespo-Facorro B, Crowley J, Davidson M, DeLisi L, Dinan T, Donohoe G, Drapeau E, Duan J, Haan L, Hougaard D, Karachanak-Yankova S, Khrunin A, Klovins J, Kučinskas V, Lee Chee Keong J, Limborska S, Loughland C, Lönnqvist J, Maher B, Mattheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quested D, Roussos P, Sanders AR, Schall U, Schwab SG, Sim K, So HC, Stögmann E, Subramaniam M, Toncheva D, Waddington J, Walters J, Weiser M, Cheng W, Cloninger R, Curtis D, Gejman PV, Henskens F, Mattingsdal M, Oh SY, Scott R, Webb B, Breen G, Churchhouse C, Bulik CM, Daly M, Dichgans M, Faraone SV, Guerreiro R, Holmans P, Kendler KS, Koeleman B, Mathews CA, Price A, Scharf J, Sklar P, Williams J, Wood NW, Cotsapas C, Palotie A, Smoller JW, Sullivan P, Rosand J, Corvin A, Neale BM. Analysis of shared heritability in common disorders of the brain. Science. 2018 Jun 22;360(6395). **IF: 41.05**

Genova, March 24th 2023

Pasquale Striano MD, PhD