



## Curriculum Vitae

### Personal information Pasquale Striano

#### Work experience

1. Employer: University of Genova, G. Gaslini Institute, Genova
  - Start date: 112021
  - End date:
  - Position: Full Professor
  - Activities: Visiting in and outpatients; academic duties; lab research
  - Country: Italy
2. Employer: University of Genova, G. Gaslini Institute, Genova
  - Start date: 102010
  - End date: 2021
  - Position: Associate Professor
  - Activities: Visiting in and outpatients; academic duties; lab research
  - Country: Italy

#### Education and training

1. Subject:
  - Start date: 1999
  - End date:
  - Qualification: MD Degree in Medicine and Surgery with honor at University of Naples
  - Organisation:
  - Country:
2. Subject:
  - Start date: 2004
  - End date:
  - Qualification: Neurology Specialty with honor at University of Naples
  - Organisation:
  - Country:
3. Subject:
  - Start date: 2008
  - End date:
  - Qualification: PhD student at Epilepsy Center, Federico II University, Napoli
  - Organisation:
  - Country:
4. Subject: University of Turin
  - Start date: 012014
  - End date: 012017
  - Qualification: Pediatrics Specialty with honor, University of Turin
  - Organisation: pediatrics
  - Country: Italy

#### Additional information

##### Publications

1. Salpietro V, Malintan NT, Llano\_Rivas I, Spaeth CG, Efthymiou S, Striano P, Vandrovцова J, Cutrupi MC, Chimenz R, David E, Di Rosa G, Marce\_Grau A, Raspall\_Chauré M, Martin\_Hernandez E, Zara F, Minetti C; Deciphering Developmental Disorders Study; SYNAPS Study Group, Bello OD, De Zorzi R, Fortuna S, Dauber A, Alkhwaja 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 2. 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, Pisciotto 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 3. 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, Möller RS, Neubauer BA, Palotie A, Pendiwiat 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 4. 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, Huette 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 JJ, 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, Hrafnsdóttir M, Hottenga JJ, Penninx B, Arto 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, Kälvliäinen R, Kunz WS, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Möller RS, Molloy A, Ng PW, Oliver K, Privitera M, Radtke R, Ruppert AK, Sander T, Schachter S, Schankin C, Scheffer J, 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, Docomo 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, Halimi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos\_Quiroga JA, Sánchez\_Mora C, Ribasés M, Casas M, Hervás 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, Ritschel 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 SC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamin S, Maaser A, Fischer SB, Reinbold CS, Fullerton JM, Guzman\_Parra J, Mayoral F, Schofield PR, Cichon S, Mühleisen TW, Degehardt 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, Sinnamoni 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, Bienvuene OJ, Brentani H, Burton C, Camarena B, Capi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys D, Derks EM, Dietrich A, Fernandez T, Figeo M, Freimer N, Gerber G, Grados M, Greenberg E, Hanna GL, Hartmann A, Hirschtritt ME, Hoekstra PJ, Huang A, Huysler C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lachner C, Lyon GJ, Macciardi F, Madrugá\_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 M, 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, Matheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quedest 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, Koelman 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 S. Niturad CE, Lev D, Kalscheuer VM, Chazewska A, Schubert J, Lerman\_Sagie T, Kroes HY, Oegema R, Traverso M, Specchio N, Lassota M, Chelly J, Bennett\_Back O, Carmi N, Koffler\_Brill T, Iacomino M, Trivisano M, Capovilla G, Striano P, Nawara M, Rzonca S, Fischer U, Bienek M, Jensen C, Hu H, Thiele H, Altmüller J, Krause R, May P, Becker F; EuroEPINOMICS Consortium, Balling R, Biskup S, Haas SA, Nürnberg P, van Gassen KLI, Lerche H, Zara F, Maljevic S, Leshinsky\_Silver E. Rare GABRA3 variants are associated with epileptic seizures, encephalopathy and dysmorphic features. *Brain*. 2017;140(11):2879-2894. IF: 10.29 6. Wolff M, Johannesen KM, Hedrich UBS, Masnada S, Rubboli G, Gardella E, Lesca G, Ville D, Milh M, Villard L, Afenjar A, Chantot\_Bastaraud S, Mignot C, Lardenois C, Nava C, Schwarz N, Gérard M, Perrin L, Doummar D, Auvin S, Miranda MJ, Hempel M, Brilstra E, Knoers N, Verbeek N, van Kempen M, Braun KP, Mancini G, Biskup S, Hörtnagel K, Döcker M, Bast T, Loddenkemper T, Wong\_Kisiel L, Baumeister FM, Fazeli W, Striano P, Dilena R, Fontana E, Zara F, Kurlemann G, Klepper J, Thoene JG, Arndt DH, Deconinck N, Schmitt\_Meichelke T, Maier O, Mühle H, Wical B, Finetti C, Brückner R, Pietz J, Golla G, Jillella D, Linnet KM, Charles P, Moog U, Öiglance\_Shlik E, Mantovani JF, Park K, Deprez M, Lederer D, Mary S, Scalais E, Selim L, Van Coster R, Lagae L, Nikanorova M, Hjalgrim H, Korenke GC, Trivisano M, Specchio N, Ceulemans B, Dorn T, Helbig KL, Hardies K, Stamberger H, de Jonghe P, Weckhuysen S, Lemke JR, Krägeloh\_Mann I, Helbig I, Kluger G, Lerche H, Möller RS. 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Carvill GL, McMahon JM, Schneider A, Zemel M, Myers CT, Saykally J, Nguyen J, Robbiano A, Zara F, Specchio N, Mecarelli O, Smith RL, Leventer RJ, Möller RS, Nikanorova M, Dimova P, Jordanova A, Petrou S; EuroEPINOMICS Rare Epilepsy Syndrome Myoclonic\_Astatic Epilepsy & Dravet working group, Helbig I, Striano P, Weckhuysen S, Berkovic SF, Scheffer IE, Mefford HC. Mutations in the GABA Transporter SLC6A1 Cause Epilepsy with Myoclonic Atonic Seizures. *Am J Hum Genet* 2015;96:808-815. IF: 29.64 9. Dazzo E, Fanciulli M, Serioli E, Minervini G, Pulitano P, Binelli S, Di Bonaventura C, Luisi C, Pasini E, Striano S, Striano P, Coppola G, Chiavegato A, Radovic S, Spadotto A, Uzzau S, La Neve A, Giallonardo AT, Mecarelli O, Tosatto SC, Ottman R, Michelucci R, Nobile C. Heterozygous Reelin Mutations Cause Autosomal\_Dominant Lateral Temporal Epilepsy. *Am J Hum Genet* 2015;96(6):992-1000. IF: 9.025 10. Nava C, Dalle C, Rastetter A, Striano P, de Kovel CG, Nabbout R, Cancès C, Ville D, Brilstra EH, Gobbi G, Raffo E, Bouteiller D, Marie Y, Trouillard O, Robbiano A, Keren B, Agher D, Roze E, Lesage S, Nicolas A, Brice A, Baulac M, Vogt C, El Hajj N, Schneider E, Suls A, Weckhuysen S, Gormley P, Lehesjoki AE, De Jonghe P, Helbig I, Baulac S, Zara F, Koelman BP; EuroEPINOMICS RES Consortium, Haaf T, LeGuern E, Depienne C. De novo mutations in HCN1 cause early infantile epileptic encephalopathy. *Nat Genet*. 2014;46(6):640-5. IF: 27.12

## Projects

Italian Healthy Minister grants with the projects 'Genetic and functional analysis of CNV affection ion channels in familial idiopathic epilepsy (GR\_2009\_1473821) and '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).

## Memberships

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)

## Other Relevant Information

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 Genova, "G. Gaslini" Institute, Genova, Italy 2014: Associate Professor of Pediatrics, University of Genoa, "G. Gaslini" Institute, Genova, Italy 2016: National habilitation for Full Professor of Pediatrics AWARDS AND HONORS 2012 Young Investigator European Award for Epileptology (ILAE)