

CURRICULUM VITAE

DANIEL MORENO DE LUCA, MD MSc

CASA Research Chair
Associate Professor & Principal Investigator
Precision Medicine in Autism (PRISMA) Group
Child and Adolescent, and Adult Psychiatrist

CASA Mental Health
Recovery Alberta
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EDUCATION

Medicine (MD)	Universidad Industrial de Santander. Bucaramanga, Colombia 200 to 2005 Honors in Psychiatry, Public Health, and Medical Internship
Diplomate in Clinical Epidemiology	Universidad Industrial de Santander. Bucaramanga, Colombia 2005 Full Scholarship
Master's in Neuroscience (MSc)	Université Pierre et Marie Curie, Sorbonne Universités. Paris, France 2007 to 2008 Mention Bien (Magna Cum Laude)

POSTGRADUATE TRAINING

Postdoctoral Fellowship in Neuropsychiatric Genetics & Human Disease Genetics Training Program	Emory University School of Medicine. Atlanta, USA 2008 to 2012
Psychiatry Residency & Neuroscience Research Training Program (NRTP)	Yale University. New Haven, USA 2012 to 2016
Child and Adolescent Psychiatry Fellowship	Brown University. Providence, USA 2016 to 2018
Bioethics Fellowship	Harvard Medical School 2021 to 2022

PROFESSIONAL LICENSES AND BOARD CERTIFICATIONS

Child and Adolescent Psychiatry	ABPN Board Certified, 2019
Psychiatry	ABPN Board Certified, 2017
Medicine	College of Physicians and Surgeons of Alberta, 2024

LANGUAGES

Spanish	Fluent. Native Language.
English	Fluent.
French	Fluent. Certificat de connaissance niveau C1/C2 Université Pierre et Marie Curie. Paris, France
Italian	Fluent. Certificato d'idoneità livello B2 Università degli Studi di Bologna. Bologna, Italia
Icelandic	Elementary. DILS Program Yale University. New Haven, USA

ACADEMIC APPOINTMENTS

CASA Research Chair Associate Professor	Division of Child and Adolescent Psychiatry Department of Psychiatry Faculty of Medicine and Dentistry University of Alberta February 2023 to date
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HOSPITAL APPOINTMENTS

Attending Child, Adolescent, and Adult Psychiatrist	CASA Mental Health & Recovery Alberta February 2023 to date
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OTHER APPOINTMENTS

Scientific Advisor	17q12 Foundation May 2019 to date GATHER Foundation May 2024 to date
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MEMBERSHIP IN SOCIETIES

International Society of Psychiatric Genetics (ISPG)
2013 to date. Chair of the Education Committee.

American Academy of Child and Adolescent Psychiatry (AACAP)
2015 to date. Autism and Intellectual Disability Committee Member.

Canadian Academy of Child and Adolescent Psychiatry (CACAP)
2023 to date.

POSTGRADUATE HONORS AND AWARDS

Scholarship for the Theoretical Course “Molecular Aspects of Chromosomal Instability”

International Centre for Genetic Engineering and Biotechnology (ICGEB). Trieste, Italy. 2005

Scholarship for the First World Conference on the Future of Science

Umberto Veronesi Foundation and Giorgio Cini Foundation. Venice, Italy. 2005

Scholarship for the 6th Course in Genetic Counseling in Practice

European Society of Human Genetics and European Genetics Foundation. Bertinoro di Romagna, Italy. 2005

Coimbra Group Scholarships Program for Young Professors and Researchers from Latin American Universities

Coimbra Group and Università Degli Studi di Bologna. Bologna, Italy. 2006

Young Investigators Program from Colciencias 2006

Colombian institute for the development of science and technology, Colciencias. Bucaramanga, Colombia. 2006

Best Poster – Neuroscience

Postdoctoral Fellow Research Symposium, Emory University School of Medicine. Atlanta, USA. 2009

Scholarship for the Child Neurology 2009 course

Harvard Medical School – Department of Continuing Education. Cambridge, USA. October 2009

Trainee Research Semifinalist Award

60th Annual Meeting of the American Society of Human Genetics. Washington DC, USA. 2010

Scholarship for the 52nd Annual Short Course on Medical and Experimental Mammalian Genetics.

The Jackson Laboratory. Bar Harbor ME. 2011

Dean J. Danner Paper of The Year Award for the Best Publication from The Department of Human Genetics.

Department of Human Genetics, Emory University School of Medicine. Atlanta, USA. 2011

Merit Award for Achievement as an Invited Speaker at an International Science Meeting

Postdoctoral Fellow Research Symposium, Emory University School of Medicine. Atlanta, USA. 2010 & 2012

Seymour Lustman Research Award in Psychiatry

Department of Psychiatry, Yale University. New Haven, USA. 2013

Travel Award for the XIVth, XVth, & XXIst World Congress on Psychiatric Genetics

International Society of Psychiatric Genetics

Cagliari, Italy. 2006. New York, USA. 2007. Boston, USA. 2013

Laughlin Foundation Outstanding Resident Merit Award

Yale University. New Haven, USA. 2016

Haffenreffer Family House Staff Excellence Award

Rhode Island Hospital, Brown University. Providence, USA. 2018

Original Publications in Peer-Reviewed Journals

1. Mitchel MW, **Moreno-De-Luca D**, Myers SM, Levy RV, Turner S, Ledbetter DH, Martin CL. **17q12 Recurrent Deletion Syndrome**. 2016 Dec 8 [updated 2025 Feb 6]. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Stephens K, Amemiya A, editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993–2025.
2. Kyzar EJ, Arbuckle MR, Abba-Aji A, Balachandra K, Cooper J, Dela Cruz A, Edens E, Heward B, Jibson M, Jordan A, **Moreno-De-Luca D**, Pazderka H, Singh M, Weleff JJ, Yau B, Young J, Ross DA. Leveraging neuroscience education to address stigma related to opioid use disorder in the community: a pilot study. *Front Psychiatry*. 2024 Mar 18;15:1360356.
3. Katz J, Hunt J, Cammuso K, **Moreno-De-Luca D**. **Development and Implementation of an Autism Spectrum and Intellectual Developmental Disorders Specialty Track Within Child and Adolescent Psychiatry Fellowship**. *Acad Psychiatry*. 2024 Jun;48(3):296-297.
4. Alnor A, Besterman AD, Castaño M, DeLisi L, Grice DE, Lohof FW, Middeldorp C, **Moreno-De-Luca D**, Quattrone D, Nurnberger JI, Nurmi E, Ross DA, Soda T, Schulze TG, Trost B, Vilella B, Yap C, Zai G; Education Committee, International Society of Psychiatric Genetics (ISPG). **Genetics for mental health clinicians: a call for a globally accessible and equitable psychiatric genetics education**. *World Psychiatry*. 2024 Feb;23(1):161-163
5. Kyzar EJ, Arbuckle MR, Abba-Aji A, Balachandra K, Cooper J, Dela Cruz A, Edens E, Heward B, Jibson M, Jordan A, **Moreno-De-Luca D**, Pazderka H, Singh M, Weleff JJ, Yau B, Young J, Ross DA. **Leveraging neuroscience education to address stigma related to opioid use disorder in the community: a pilot study**. *Front Psychiatry*. 2024 Mar 18;15:1360356.
6. Butler MG, **Moreno-De-Luca D**, Persico AM. **Actionable Genomics in Clinical Practice: Paradigmatic Case Reports of Clinical and Therapeutic Strategies Based upon Genetic Testing**. *Genes (Basel)*. 2022 Feb 10;13(2):323.
7. **Moreno-De-Luca D**, Martin CL. **All for one and one for all: heterogeneity of genetic etiologies in neurodevelopmental psychiatric disorders**. *Curr Opin Genet Dev*. 2021 Jun;68:71-78.
8. **Moreno-De-Luca D**. **Trains and Outer Space-The Unique Worlds Within Autism**. *JAMA*. 2020 Oct 27;324(16):1591-1592.
9. **Moreno-De-Luca D**, Kavanaugh BC, Best CR, Sheinkopf SJ, Phornphutkul C, Morrow EM. **Clinical Genetic Testing in Autism Spectrum Disorder in a Large Community-Based Population Sample**. *JAMA Psychiatry*. 2020 Sep 1;77(9):979-981.
10. McCormick CEB, Kavanaugh BC, Sipsock D, Righi G, Oberman LM, **Moreno-De-Luca D**, Gamsiz Uzun ED, Best CR, Jerskey BA, Quinn JG, Jewel SB, Wu PC, McLean RL, Levine TP, Tokadjian H, Perkins KA, Clarke EB, Dunn B, Gerber AH, Tenenbaum EJ, Anders TF; Rhode Island Consortium for Autism Research and Treatment (RI-CART), Sheinkopf SJ, Morrow EM. **Autism Heterogeneity in a Densely Sampled U.S. Population: Results From the First 1,000 Participants in the RI-CART Study**. *Autism Res*. 2020 Mar;13(3):474-488.

11. Montplaisir R, Lee E, **Moreno-De-Luca D**, Myers WC. **Mosaic trisomy 20 and mitigation in capital crimes sentencing: A review and case report.** Behav Sci Law. 2019 Sep;37(5):512-521.
12. Goldstein J, Ross DA, **Moreno De Luca D**. **Found in Translation: Autism Genetics and the Quest for Its Rosetta Stone.** Biol Psychiatry. 2019 Apr 1;85(7):e29-e30.
13. Besterman AD, **Moreno-De-Luca D**, Nurnberger JI Jr. **21st-Century Genetics in Psychiatric Residency Training: How Do We Get There?** JAMA Psychiatry. 2019 Mar 1;76(3):231-232.
14. Nurnberger JI Jr, Austin J, Berrettini WH, Besterman AD, DeLisi LE, Grice DE, Kennedy JL, **Moreno-De-Luca D**, Potash JB, Ross DA, Schulze TG, Zai G. **What Should a Psychiatrist Know About Genetics? Review and Recommendations from the Residency Education Committee of the International Society of Psychiatric Genetics.** J Clin Psychiatry. 2018 Nov 27;80(1).
15. 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, Hrafnisdottir 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, **Moreno-De-Luca D**, 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, Stögmänn 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)
16. **Moreno-De-Luca D, Ross ME, Ross DA. Leveraging the Power of Genetics to Bring Precision Medicine to Psychiatry: Too Little of a Good Thing?** Biol Psychiatry. 2018 Apr 15;83(8):e45-e46.
 17. **Moreno-De-Luca D. Forging the path for PReclSion Medicine in Autism: The PRISMA Neurogenetic Psychiatry Consultation Service.** CABL. 2018 Jan 15;34(2):p1-7.
 18. Weiner DJ, Wigdor EM, Ripke S, Walters RK, Kosmicki JA, Grove J, Samocha KE, Goldstein JL, Okbay A, Bybjerg-Grauholm J, Werge T, Hougaard DM, Taylor J, Bækvad-Hansen M, Dumont A, Hansen C, Hansen TF, Howrigan D, Mattheisen M, Moran J, Mors O, Nordentoft M, Nørgaard-Pedersen B, Poterba T, Poulsen J, Stevens C, Anttila V, Holmans P, Huang H, Klei L, Lee PH, Medland SE, Neale B, Weiss LA, Zwaigenbaum L, Yu TW, Wittemeyer K, Willsey AJ, Wijsman EM, Wassink TH, Waltes R, Walsh CA, Wallace S, Vorstman JAS, Vieland VJ, Vicente AM, van Engeland H, Tsang K, Thompson AP, Szatmari P, Svantesson O, Steinberg S, Stefansson K, Stefansson H, State MW, Soorya L, Silagadze T, Scherer SW, Schellenberg GD, Sandin S, Saemundsen E, Rouleau GA, Rogé B, Roeder K, Roberts W, Reichert J, Reichenberg A, Rehnström K, Regan R, Poustka F, Poultney CS, Piven J, Pinto D, Pericak-Vance MA, Pejovic-Milovancevic M, Pedersen MG, Pedersen CB, Paterson AD, Parr JR, Pagnamenta AT, Oliveira G, Nurnberger JL, Nordentoft M, Murtha MT, Moug S, Mors O, Morrow EM, **Moreno-De-Luca D**, Monaco AP, Minshew N, Merikangas A, McMahon WM, McGrew SG, Mattheisen M, Martsenkovsky I, Martin DM, Mane SM, Magnusson P, Magalhaes T, Maestrini E, Lowe JK, Lord C, Levitt P, Martin CL, Ledbetter DH, Leboyer M, Le Couteur AS, Ladd-Acosta C, Klevzon A, Klauck SM, Jacob S, Iliadou B, Hultman CM, Hertz-Picciotto I, Hendren R, Hansen CS, Haines JL, Guter SJ, Grice DE, Green JM, Green A, Goldberg AP, Gillberg C, Gilbert J, Gallagher L, Freitag CM, Fombonne E, Folstein SE, Fernandez B, Fallin MD, Ercan-Sencicek AG, Ennis S, Duque F, Duketis E, Delorme R, De Rubeis S, De Jonge MV, Dawson G, Cuccaro ML, Correia CT, Conroy J, Conceição IC, Chiocchetti AG, Celestino-Soper PBS, Casey J, Cantor RM, Café C, Brennan S, Bourgeron T, Bolton PF, Bølte S, Bolshakova N, Betancur

- C, Bernier R, Beaudet AL, Battaglia A, Bal VH, Baird G, Bailey AJ, Bækvad-Hansen M, Bader JS, Bacchelli E, Anagnostou E, Amaral D, Almeida J, Buxbaum JD, Chakravarti A, Cook EH, Coon H, Geschwind DH, Gill M, Hakonarson H, Hallmayer J, Palotie A, Santangelo S, Sutcliffe JS, Arking DE, (iPSYCH-Broad Autism Group; Psychiatric Genomics Consortium Autism Group), Skuse D, Devlin B, Anney R, Sanders SJ, Bishop S, Mortensen PB, Børglum AD, Smith GD, Daly MJ, Robinson EB. **Polygenic transmission disequilibrium confirms that common and rare variation act additively to create risk for autism spectrum disorders.** Nat Genet. 2017 Jul;49(7):978-985
19. Vorstman JA, Parr JR, **Moreno-De-Luca D**, Anney RJ, Nurnberger JI Jr, Hallmayer JF. **Autism genetics: opportunities and challenges for clinical translation.** Nat Rev Genet. 2017 Jun;18(6):362-376
 20. Anney RJL, Ripke S, Anttila V, Grove J, Holmans P, Huang H, Klei L, Lee PH, Medland SE, Neale B, Robinson E, Weiss LA, Zwaigenbaum L, Yu TW, Wittmeyer K, Willsey AJ, Wijsman EM, Werge T, Wassink TH, Waltes R, Walsh CA, Wallace S, Vorstman JAS, Vieland VJ, Vicente AM, vanEngeland H, Tsang K, Thompson AP, Szatmari P, Svantesson O, Steinberg S, Stefansson K, Stefansson H, State MW, Soorya L, Silagadze T, Scherer SW, Schellenberg GD, Sandin S, Sanders SJ, Saemundsen E, Rouleau GA, Rogé B, Roeder K, Roberts W, Reichert J, Reichenberg A, Rehnström K, Regan R, Poustka F, Poultney CS, Piven J, Pinto D, Pericak-Vance MA, Pejovic-Milovancevic M, Pedersen MG, Pedersen CB, Paterson AD, Parr JR, Pagnamenta AT, Oliveira G, Nurnberger JI, Nordentoft M, Murtha MT, Mougha S, Mortensen PB, Mors O, Morrow EM, **Moreno-De-Luca D**, Monaco AP, Minshew N, Merikangas A, McMahon WM, McGrew SG, Mattheisen M, Martsenkovsky I, Martin DM, Mane SM, Magnusson P, Magalhaes T, Maestrini E, Lowe JK, Lord C, Levitt P, Martin CL, Ledbetter DH, Leboyer M, LeCouteur AS, Ladd-Acosta C, Klevzon A, Klauck SM, Jacob S, Iliadou B, Hultman CM, Hougaard DM, Hertz-Picciotto I, Hendren R, Hansen CS, Haines JL, Guter SJ, Grice DE, Green JM, Green A, Goldberg AP, Gillberg C, Gilbert J, Gallagher L, Freitag CM, Fombonne E, Folstein SE, Fernandez B, Fallin MD, Ercan-Sencicek AG, Ennis S, Duque F, Duketis E, Delorme R, DeRubeis S, DeJonge MV, Dawson G, Cuccaro ML, Correia CT, Conroy J, Conceição IC, Chiochetti AG, Celestino-Soper PBS, Casey J, Cantor RM, Café C, Bybjerg-Grauholm J, Brennan S, Bourgeron T, Bolton PF, Bölte S, Bolshakova N, Betancur C, Bernier R, Beaudet AL, Battaglia A, Bal VH, Baird G, Bailey AJ, Bækvad-Hansen M, Bader JS, Bacchelli E, Anagnostou E, Amaral D, Almeida J, Børglum AD, Buxbaum JD, Chakravarti A, Cook EH, Coon H, Geschwind DH, Gill M, Hallmayer J, Palotie A, Santangelo S, Sutcliffe JS, Arking DE, Devlin B, Daly MJ (Autism Spectrum Disorders Working Group of The Psychiatric Genomics Consortium). **Meta-analysis of GWAS of over 16,000 individuals with autism spectrum disorder highlights a novel locus at 10q24.32 and a significant overlap with schizophrenia.** Mol Autism. 2017 May 22;8:21
 21. Kishimoto K, Nomura J, Ellegood J, Fukumoto K, Lerch JP, **Moreno-De-Luca D**, Bourgeron T, Tamada K, Takumi T. **Behavioral and neuroanatomical analyses in a genetic mouse model of 2q13 duplication.** Genes Cells. 2017 May;22(5):436-451
 22. **Moreno-De-Luca D. Beyond the Diagnosis: A Path Toward Understanding Behavior Through the Lens of Rare Genetics.** Biol Psychiatry. 2016 Jul 15;80(2):92-3
 23. Sanders SJ, He X, Willsey AJ, Ercan-Sencicek AG, Samocha KE, Cicek AE, Murtha MT, Bal VH, Bishop SL, Dong S, Goldberg AP, Jinlu C, Keaney JF 3rd, Klei L, Mandell JD, **Moreno-De-Luca D**, Poultney CS, Robinson EB, Smith L, Solli-Nowlan T, Su MY, Teran NA, Walker MF, Werling DM, Beaudet AL, Cantor RM, Fombonne E, Geschwind DH, Grice DE, Lord C, Lowe JK, Mane SM, Martin DM, Morrow EM, Talkowski ME, Sutcliffe JS, Walsh CA, Yu TW; Autism Sequencing Consortium, Ledbetter DH, Martin CL, Cook EH, Buxbaum JD, Daly MJ, Devlin B, Roeder K, State MW. **Insights into Autism Spectrum Disorder Genomic Architecture and Biology from 71 Risk Loci.** Neuron. 2015 Sep 23;87(6):1215-33
 24. Chaste P, Klei L, Sanders SJ, Hus V, Murtha MT, Lowe JK, Willsey AJ, **Moreno-De-Luca D**, Yu TW, Fombonne E, Geschwind D, Grice DE, Ledbetter DH, Mane SM, Martin DM, Morrow EM, Walsh CA, Sutcliffe JS, Lese Martin C, Beaudet AL, Lord C, State MW, Cook EH Jr, Devlin B. **A Genome-wide Association Study of**

Autism Using the Simons Simplex Collection: Does Reducing Phenotypic Heterogeneity in Autism Increase Genetic Homogeneity? Biol Psychiatry. 2015 May 1;77(9):775-84

25. Turner TN, Sharma K, Oh EC, Liu YP, Collins RL, Sosa MX, Auer DR, Brand H, Sanders SJ, **Moreno-De-Luca D**, Pihur V, Plona T, Pike K, Soppet DR, Smith MW, Cheung SW, Martin CL, State MW, Talkowski ME, Cook E, Hukanir R, Katsanis N, Chakravarti A. **Loss of δ -catenin function in severe autism.** Nature. 2015 Apr 2;520(7545):51-6

26. Maier R, Moser G, Chen GB, Ripke S; Cross-Disorder Working Group of the Psychiatric Genomics Consortium, Coryell W, Potash JB, Scheftner WA, Shi J, Weissman MM, Hultman CM, Landén M, Levinson DF, Kendler KS, Smoller JW, Wray NR, Lee SH; Cross-Disorder Working Group of the Psychiatric Genomics Consortium - Absher D, Agartz I, Akil H, Amin F, Andreassen OA, Anjorin A, Anney R, Arking DE, Asherson P, Azevedo MH, Backlund L, Badner JA, Bailey AJ, Banaschewski T, Barchas JD, Barnes MR, Barrett TB, Bass N, Battaglia A, Bauer M, Bayés M, Bellivier F, Bergen SE, Berrettini W, Betancur C, Bettecken T, Biederman J, Binder EB, Black DW, Blackwood DH, Bloss CS, Boehnke M, Boomsma DI, Breen G, Breuer R, Bruggeman R, Buccola NG, Buitelaar JK, Bunney WE, Buxbaum JD, Byerley WF, Caesar S, Cahn W, Cantor RM, Casas M, Chakravarti A, Chambert K, Choudhury K, Cichon S, Cloninger CR, Collier DA, Cook EH, Coon H, Cormand B, Cormican P, Corvin A, Coryell WH, Craddock N, Craig DW, Craig IW, Crosbie J, Cuccaro ML, Curtis D, Czamara D, Daly MJ, Datta S, Dawson G, Day R, De Geus EJ, Degenhardt F, Devlin B, Djurovic S, Donohoe GJ, Doyle AE, Duan J, Dudbridge F, Duketis E, Ebsen RP, Edenberg HJ, Elia J, Ennis S, Etain B, Fanous A, Faraone SV, Farmer AE, Ferrier IN, Flickinger M, Fombonne E, Foroud T, Frank J, Franke B, Fraser C, Freedman R, Freimer NB, Freitag CM, Friedl M, Frisén L, Gallagher L, Gejman PV, Georgieva L, Gershon ES, Geschwind DH, Giegling I, Gill M, Gordon SD, Gordon-Smith K, Green EK, Greenwood TA, Grice DE, Gross M, Grozeva D, Guan W, Gurling H, De Haan L, Haines JL, Hakonarson H, Hallmayer J, Hamilton SP, Hamshere ML, Hansen TF, Hartmann AM, Hautzinger M, Heath AC, Henders AK, Herms S, Hickie IB, Hipolito M, Hoefels S, Holmans PA, Holsboer F, Hoogendijk WJ, Hottenga JJ, Hultman CM, Hus V, Ingason A, Ising M, Jamain S, Jones I, Jones L, Kähler AK, Kahn RS, Kandaswamy R, Keller MC, Kelsoe JR, Kendler KS, Kennedy JL, Kenny E, Kent L, Kim Y, Kirov GK, Klauck SM, Klei L, Knowles JA, Kohli MA, Koller DL, Konte B, Korszun A, Krabbendam L, Krasucki R, Kuntsi J, Kwan P, Landén M, Långström N, Lathrop M, Lawrence J, Lawson WB, Leboyer M, Ledbetter DH, Lee PH, Lencz T, Lesch KP, Levinson DF, Lewis CM, Li J, Lichtenstein P, Lieberman JA, Lin DY, Linszen DH, Liu C, Lohoff FW, Loo SK, Lord C, Lowe JK, Lucae S, MacIntyre DJ, Madden PA, Maestrini E, Magnusson PK, Mahon PB, Maier W, Malhotra AK, Mane SM, Martin CL, Martin NG, Mattheisen M, Matthews K, Mattingdal M, McCarroll SA, McGhee KA, McGough JJ, McGrath PJ, McGuffin P, McInnis MG, McIntosh A, McKinney R, McLean AW, McMahon FJ, McMahon WM, McQuillin A, Medeiros H, Medland SE, Meier S, Melle I, Meng F, Meyer J, Middeldorp CM, Middleton L, Milanova V, Miranda A, Monaco AP, Montgomery GW, Moran JL, **Moreno-De-Luca D**, Morken G, Morris DW, Morrow EM, Moskvina V, Mowry BJ, Muglia P, Mühleisen TW, Müller-Myhsok B, Murtha M, Myers RM, Myin-Germeys I, Neale BM, Nelson SF, Nievergelt CM, Nikolov I, Nimgaonkar V, Nolen WA, Nöthen MM, Nurnberger JI, Nwulia EA, Nyholt DR, O'Donovan MC, O'Dushlaine C, Oades RD, Olincy A, Oliveira G, Olsen L, Ophoff RA, Osby U, Owen MJ, Palotie A, Parr JR, Paterson AD, Pato CN, Pato MT, Penninx BW, Pergadia ML, Pericak-Vance MA, Perlis RH, Pickard BS, Pimm J, Piven J, Posthuma D, Potash JB, Poustka F, Propping P, Purcell SM, Puri V, Quested DJ, Quinn EM, Ramos-Quiroga JA, Rasmussen HB, Raychaudhuri S, Rehnström K, Reif A, Ribasés M, Rice JP, Rietschel M, Ripke S, Roeder K, Roeyers H, Rossin L, Rothenberger A, Rouleau G, Ruderfer D, Rujescu D, Sanders AR, Sanders SJ, Santangelo SL, Schachar R, Schalling M, Schatzberg AF, Scheftner WA, Schellenberg GD, Scherer SW, Schork NJ, Schulze TG, Schumacher J, Schwarz M, Scolnick E, Scott LJ, Sergeant JA, Shi J, Shilling PD, Shyn SI, Silverman JM, Sklar P, Slager SL, Smalley SL, Smit JH, Smith EN, Smoller JW, Sonuga-Barke EJ, St Clair D, State M, Steffens M, Steinhausen HC, Strauss JS, Strohmaier J, Stroup TS, Sullivan PF, Sutcliffe J, Szatmari P, Szelinger S, Thapar A, Thirumalai S, Thompson RC, Todorov AA, Tozzi F, Treutlein J, Tzeng JY, Uhr M, van den Oord EJ, Van Grootheest G, Van Os J, Vicente AM, Vieland VJ, Vincent JB, Visscher PM, Walsh CA, Wassink TH, Watson SJ, Weiss LA, Weissman MM, Werge T, Wienker TF, Wiersma D, Wijsman EM, Willemsen G, Williams N, Willsey AJ, Witt SH, Wray NR, Xu W, Young AH, Yu TW, Zammit S, Zandi PP, Zhang P, Zitman FG, Zöllner S. **Joint Analysis of Psychiatric Disorders Increases Accuracy of Risk**

Prediction for Schizophrenia, Bipolar Disorder, and Major Depressive Disorder. Am J Hum Genet. 2015 Feb 5;96(2):283-94

27. O'Dushlaine C, Rossin L, Lee PH, Duncan L, Parikshak NN, Newhouse S, Ripke S, Neale BM, Purcell SM, Posthuma D, Nurnberger JI, Lee SH, Faraone SV, Perlis RH, Mowry BJ, Thapar A, Goddard ME, Witte JS, Absher D, Agartz I, Akil H, Amin F, Andreassen OA, Anjorin A, Anney R, Anttila V, Arking DE, Asherson P, Azevedo MH, Backlund L, Badner JA, Bailey AJ, Banaschewski T, Barchas JD, Barnes MR, Barrett TB, Bass N, Battaglia A, Bauer M, Bayés M, Bellivier F, Bergen SE, Berrettini W, Betancur C, Bettecken T, Biederman J, Binder EB, Black DW, Blackwood DH, Bloss CS, Boehnke M, Boomsma DI, Breuer R, Bruggeman R, Cormican P, Buccola NG, Buitelaar JK, Bunney WE, Buxbaum JD, Byerley WF, Byrne EM, Caesar S, Cahn W, Cantor RM, Casas M, Chakravarti A, Chambert K, Choudhury K, Cichon S, Mattheisen M, Cloninger CR, Collier DA, Cook EH, Coon H, Cormand B, Corvin A, Coryell WH, Craig DW, Craig IW, Crosbie J, Cuccaro ML, Curtis D, Czamara D, Datta S, Dawson G, Day R, De Geus EJ, Degenhardt F, Djurovic S, Donohoe GJ, Doyle AE, Duan J, Dudbridge F, Duketis E, Ebbstein RP, Edenberg HJ, Elia J, Ennis S, Etain B, Fanous A, Farmer AE, Ferrier IN, Flickinger M, Fombonne E, Foroud T, Frank J, Franke B, Fraser C, Freedman R, Freimer NB, Freitag CM, Friedl M, Frisén L, Gallagher L, Gejman PV, Georgieva L, Gershon ES, Giegling I, Gill M, Gordon SD, Gordon-Smith K, Green EK, Greenwood TA, Grice DE, Gross M, Grozeva D, Guan W, Gurling H, De Haan L, Haines JL, Hakonarson H, Hallmayer J, Hamilton SP, Hamshere ML, Hansen TF, Hartmann AM, Hautzinger M, Heath AC, Henders AK, Herms S, Hickie IB, Hipolito M, Hoefels S, Holsboer F, Hoogendijk WJ, Hottenga JJ, Hultman CM, Hus V, Ingason A, Ising M, Jamain S, Jones EG, Jones I, Jones L, Tzeng JY, Kähler AK, Kahn RS, Kandaswamy R, Keller MC, Kennedy JL, Kenny E, Kent L, Kim Y, Kirov GK, Klauck SM, Klei L, Knowles JA, Kohli MA, Koller DL, Konte B, Korszun A, Krabbendam L, Krasucki R, Kuntsi J, Kwan P, Landén M, Långström N, Lathrop M, Lawrence J, Lawson WB, Leboyer M, Ledbetter DH, Lencz T, Lesch KP, Levinson DF, Lewis CM, Li J, Lichtenstein P, Lieberman JA, Lin DY, Linszen DH, Liu C, Lohoff FW, Loo SK, Lord C, Lowe JK, Lucae S, MacIntyre DJ, Madden PA, Maestrini E, Magnusson PK, Mahon PB, Maier W, Malhotra AK, Mane SM, Martin CL, Martin NG, Matthews K, Mattingdal M, McCarroll SA, McGhee KA, McGough JJ, McGrath PJ, McGuffin P, McInnis MG, McIntosh A, McKinney R, McLean AW, McMahon FJ, McMahon WM, McQuillin A, Medeiros H, Medland SE, Meier S, Melle I, Meyer J, Middeldorp CM, Middleton L, Milanova V, Miranda A, Monaco A, Montgomery GW, Moran JL, **Moreno-De-Luca D**, Morken G, Morris DW, Morrow EM, Moskvina V, Muglia P, Mühleisen TW, Muir WJ, Müller-Myhsok B, Murtha M, Myers RM, Myin-Germeys I, Neale MC, Nelson SF, Nievergelt CM, Nikolov I, Nimgaonkar V, Nolen WA, Nöthen MM, Nwulia EA, Nyholt DR, Oades RD, Olincy A, Oliveira G, Olsen L, Ophoff RA, Osby U, Owen MJ, Palotie A, Parr JR, Paterson AD, Pato CN, Pato MT, Penninx BW, Pergadia ML, Pericak-Vance MA, Pickard BS, Pimm J, Piven J, Potash JB, Poustka F, Propping P, Puri V, Quested DJ, Quinn EM, Ramos-Quiroga JA, Rasmussen HB, Raychaudhuri S, Rehnström K, Reif A, Ribasés M, Rice JP, Rietschel M, Roeder K, Roeyers H, Rothenberger A, Rouleau G, Ruderfer D, Rujescu D, Sanders AR, Sanders SJ, Santangelo SL, Sergeant JA, Schachar R, Schalling M, Schatzberg AF, Scheftner WA, Schellenberg GD, Scherer SW, Schork NJ, Schulze TG, Schumacher J, Schwarz M, Scolnick E, Scott LJ, Shi J, Shilling PD, Shyn SI, Silverman JM, Slager SL, Smalley SL, Smit JH, Smith EN, Sonuga-Barke EJ, St Clair D, State M, Steffens M, Steinhausen HC, Strauss JS, Strohmaier J, Stroup TS, Sutcliffe JS, Szatmari P, Szlinger S, Thirumalai S, Thompson RC, Todorov AA, Tozzi F, Treutlein J, Uhr M, van den Oord JC, Van Grootheest G, Van Os J, Vicente A, Vieland VJ, Vincent JB, Visscher PM, Walsh CA, Wassink TH, Watson SJ, Weissman MM, Werge T, Wienker TF, Wijsman EM, Willemsen G, Williams N, Willsey AJ, Witt SH, Xu W, Young AH, Yu TW, Zammit S, Zandi PP, Zhang P, Zitman FG, Zöllner S, Devlin B, Kelsoe JR, Sklar P, Daly MJ, O'Donovan MC, Craddock N, Kendler KS, Weiss LA, Wray NR, Zhao Z, Geschwind DH, Sullivan PF, Smoller JW, Holmans PA, Breen G – (Network and Pathway Analysis Subgroup of Psychiatric Genomics Consortium). **Psychiatric genome-wide association study analyses implicate neuronal, immune and histone pathways.** Nat Neurosci. 2015 Feb;18(2):199-209
28. Moreno-De-Luca A, Evans DW, Boomer KB, Hanson E, Bernier R, Goin-Kochel RP, Myers SM, Challman TD, **Moreno-De-Luca D**, Slane MM, Hare AE, Chung WK, Spiro JE, Faucett WA, Martin CL, Ledbetter DH. **The role of parental cognitive, behavioral, and motor profiles in clinical variability in individuals with chromosome 16p11.2 deletions.** JAMA Psychiatry. 2015 Feb 1;72(2):119-26

29. Chaste P, Sanders SJ, Mohan KN, Klei L, Song Y, Murtha MT, Hus V, Lowe JK, Willsey AJ, **Moreno-De-Luca D**, Yu TW, Fombonne E, Geschwind D, Grice DE, Ledbetter DH, Lord C, Mane SM, Martin DM, Morrow EM, Walsh CA, Sutcliffe JS, State MW, Martin CL, Devlin B, Beaudet AL, Cook EH Jr, Kim SJ. **Modest Impact on Risk for Autism Spectrum Disorder of Rare Copy Number Variants at 15q11.2, Specifically Breakpoints 1 to 2.** *Autism Res.* 2014 Jun;7(3):355-62
30. **Moreno-De-Luca D**, Moreno-De-Luca A, Cubells JF, Sanders SJ. **Cross-Disorder Comparison of Four Neuropsychiatric CNV Loci.** *Current Genetic Medicine Reports.* 2014; 2 (3), 151-161
31. Chaste P, Klei L, Sanders SJ, Murtha MT, Hus V, Lowe JK, Willsey AJ, **Moreno-De-Luca D**, Yu TW, Fombonne E, Geschwind D, Grice DE, Ledbetter DH, Lord C, Mane SM, Lese Martin C, Martin DM, Morrow EM, Walsh CA, Sutcliffe JS, State MW, Devlin B, Cook EH Jr, Kim SJ. **Adjusting Head Circumference for Covariates in Autism: Clinical Correlates of a Highly Heritable Continuous Trait.** *Biol Psychiatry.* 2013 Oct 15;74(8):576-84
32. **Moreno-De-Luca D**, Sanders SJ, Willsey AJ, Mulle JG, Lowe JK, Geschwind DH, State MW, Martin CL, Ledbetter DH. **Using large clinical data sets to infer pathogenicity for rare copy number variants in autism cohorts.** *Mol Psychiatry.* 2013 Oct;18(10):1090-5
33. Lee SH, Ripke S, Neale BM, Faraone SV, Purcell SM, Perlis RH, Mowry BJ, Thapar A, Goddard ME, Witte JS, Absher D, Agartz I, Akil H, Amin F, Andreassen OA, Anjorin A, Anney R, Anttila V, Arking DE, Asherson P, Azevedo MH, Backlund L, Badner JA, Bailey AJ, Banaschewski T, Barchas JD, Barnes MR, Barrett TB, Bass N, Battaglia A, Bauer M, Bayés M, Bellivier F, Bergen SE, Berrettini W, Betancur C, Bettecken T, Biederman J, Binder EB, Black DW, Blackwood DH, Bloss CS, Boehnke M, Boomsma DI, Breen G, Breuer R, Bruggeman R, Cormican P, Buccola NG, Buitelaar JK, Bunney WE, Buxbaum JD, Byerley WF, Byrne EM, Caesar S, Cahn W, Cantor RM, Casas M, Chakravarti A, Chambert K, Choudhury K, Cichon S, Cloninger CR, Collier DA, Cook EH, Coon H, Cormand B, Corvin A, Coryell WH, Craig DW, Craig IW, Crosbie J, Cuccaro ML, Curtis D, Czamara D, Datta S, Dawson G, Day R, De Geus EJ, Degenhardt F, Djurovic S, Donohoe GJ, Doyle AE, Duan J, Dudbridge F, Duketis E, Ebstein RP, Edenberg HJ, Elia J, Ennis S, Etain B, Fanous A, Farmer AE, Ferrier IN, Flickinger M, Fombonne E, Foroud T, Frank J, Franke B, Fraser C, Freedman R, Freimer NB, Freitag CM, Friedl M, Frisén L, Gallagher L, Gejman PV, Georgieva L, Gershon ES, Geschwind DH, Giegling I, Gill M, Gordon SD, Gordon-Smith K, Green EK, Greenwood TA, Grice DE, Gross M, Grozeva D, Guan W, Gurling H, De Haan L, Haines JL, Hakonarson H, Hallmayer J, Hamilton SP, Hamshere ML, Hansen TF, Hartmann AM, Hautzinger M, Heath AC, Henders AK, Herms S, Hickie IB, Hipolito M, Hoefels S, Holmans PA, Holsboer F, Hoogendijk WJ, Hottenga JJ, Hultman CM, Hus V, Ingason A, Ising M, Jamain S, Jones EG, Jones I, Jones L, Tzeng JY, Kähler AK, Kahn RS, Kandaswamy R, Keller MC, Kennedy JL, Kenny E, Kent L, Kim Y, Kirov GK, Klauck SM, Klei L, Knowles JA, Kohli MA, Koller DL, Konte B, Korszun A, Krabbendam L, Krasucki R, Kuntsi J, Kwan P, Landén M, Långström N, Lathrop M, Lawrence J, Lawson WB, Leboyer M, Ledbetter DH, Lee PH, Lencz T, Lesch KP, Levinson DF, Lewis CM, Li J, Lichtenstein P, Lieberman JA, Lin DY, Linszen DH, Liu C, Lohoff FW, Loo SK, Lord C, Lowe JK, Lucae S, Macintyre DJ, Madden PA, Maestrini E, Magnusson PK, Mahon PB, Maier W, Malhotra AK, Mane SM, Martin CL, Martin NG, Mattheisen M, Matthews K, Mattingsdal M, McCarroll SA, McGhee KA, McGough JJ, McGrath PJ, McGuffin P, McInnis MG, McIntosh A, McKinney R, McLean AW, McMahon FJ, McMahon WM, McQuillin A, Medeiros H, Medland SE, Meier S, Melle I, Meng F, Meyer J, Middeldorp CM, Middleton L, Milanova V, Miranda A, Monaco AP, Montgomery GW, Moran JL, **Moreno-De-Luca D**, Morken G, Morris DW, Morrow EM, Moskvina V, Muglia P, Mühleisen TW, Muir WJ, Müller-Myhsok B, Murtha M, Myers RM, Myin-Germeys I, Neale MC, Nelson SF, Nievergelt CM, Nikolov I, Nimgaonkar V, Nolen WA, Nöthen MM, Nurnberger JI, Nwulia EA, Nyholt DR, O'Dushlaine C, Oades RD, Olincy A, Oliveira G, Olsen L, Ophoff RA, Osby U, Owen MJ, Palotie A, Parr JR, Paterson AD, Pato CN, Pato MT, Penninx BW, Pergadia ML, Pericak-Vance MA, Pickard BS, Pimm J, Piven J, Posthuma D, Potash JB, Poustka F, Propping P, Puri V, Quested DJ, Quinn EM, Ramos-Quiroga JA, Rasmussen HB, Raychaudhuri S, Rehnström K, Reif A, Ribasés M, Rice JP, Rietschel M, Roeder K, Roeyers H, Rossin L, Rothenberger A, Rouleau G, Ruderfer D,

- Rujescu D, Sanders AR, Sanders SJ, Santangelo SL, Sergeant JA, Schachar R, Schalling M, Schatzberg AF, Scheftner WA, Schellenberg GD, Scherer SW, Schork NJ, Schulze TG, Schumacher J, Schwarz M, Scolnick E, Scott LJ, Shi J, Shilling PD, Shyn SI, Silverman JM, Slager SL, Smalley SL, Smit JH, Smith EN, Sonuga-Barke EJ, St Clair D, State M, Steffens M, Steinhausen HC, Strauss JS, Strohmaier J, Stroup TS, Sutcliffe JS, Szatmari P, Szelinger S, Thirumalai S, Thompson RC, Todorov AA, Tozzi F, Treutlein J, Uhr M, van den Oord EJ, Van Grootheest G, Van Os J, Vicente AM, Vieland VJ, Vincent JB, Visscher PM, Walsh CA, Wassink TH, Watson SJ, Weissman MM, Werge T, Wienker TF, Wijsman EM, Willemsen G, Williams N, Willsey AJ, Witt SH, Xu W, Young AH, Yu TW, Zammit S, Zandi PP, Zhang P, Zitman FG, Zöllner S; International Inflammatory Bowel Disease Genetics Consortium (IBDGC), Devlin B, Kelsoe JR, Sklar P, Daly MJ, O'Donovan MC, Craddock N, Sullivan PF, Smoller JW, Kendler KS, Wray NR – (Cross-Disorder Group of the Psychiatric Genomics Consortium). **Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs.** Nat Genet. 2013 Aug 28;45(9):984-94
34. Moreno-De-Luca A, Myers SM, Challman TD, **Moreno-De-Luca D**, Evans DW, Ledbetter DH. **Developmental brain dysfunction: revival and expansion of old concepts based on new genetic evidence.** Lancet Neurol. 2013 Apr;12(4):406-14
 35. Klei L, Sanders SJ, Murtha MT, Hus V, Lowe JK, Willsey AJ, **Moreno-De-Luca D**, Yu TW, Fombonne E, Geschwind D, Grice DE, Ledbetter DH, Lord C, Mane SM, Lese Martin C, Martin DM, Morrow EM, Walsh CA, Melhem NM, Chaste P, Sutcliffe JS, State MW, Cook EH Jr, Roeder K, Devlin B. **Common genetic variants, acting additively, are a major source of risk for autism.** Mol Autism. 2012 Oct 15;3(1):9
 36. Kaminsky EB, Kaul V, Paschall J, Church DM, Bunke B, Kunig D, **Moreno-De-Luca D**, Moreno-De-Luca A, Mülle JG, Warren ST, Richard G, Compton JG, Fuller AE, Gliem TJ, Huang S, Collinson MN, Beal SJ, Ackley T, Pickering DL, Golden DM, Aston E, Whitby H, Shetty S, Rossi MR, Rudd MK, South ST, Brothman AR, Sanger WG, Iyer R, Crolla JA, Thorland EC, Aradhya S, Ledbetter DH & Martin CL. **An evidence-based approach to establish the functional and clinical significance of copy number variants in intellectual and developmental disabilities.** Genet Med. 2011 Sep;13(9):777-84
 37. Sanders SJ, Ercan-Sencicek AG, Hus V, Luo R, Murtha MT, **Moreno-De-Luca D**, Chu SH, Moreau MP, Gupta AR, Thomson SA, Mason CE, Bilguvar K, Celestino-Soper PB, Choi M, Crawford EL, Davis L, Wright NR, Dhodapkar RM, DiCola M, DiLullo NM, Fernandez TV, Fielding-Singh V, Fishman DO, Frahm S, Garagaloyan R, Goh GS, Kammela S, Klei L, Lowe JK, Lund SC, McGrew AD, Meyer KA, Moffat WJ, Murdoch JD, O'Roak BJ, Ober GT, Pottenger RS, Raubeson MJ, Song Y, Wang Q, Yaspan BL, Yu TW, Yurkiewicz IR, Beaudet AL, Cantor RM, Curland M, Grice DE, Günel M, Lifton RP, Mane SM, Martin DM, Shaw CA, Sheldon M, Tischfield JA, Walsh CA, Morrow EM, Ledbetter DH, Fombonne E, Lord C, Martin CL, Brooks AI, Sutcliffe JS, Cook EH Jr, Geschwind D, Roeder K, Devlin B, State MW. **Multiple recurrent *de novo* copy number variations (CNVs), including duplications of the 7q11.23 Williams-Beuren syndrome region, are strongly associated with autism.** Neuron. 2011 Jun 9;70(5):863-85
 38. **Moreno-De-Luca D**, Cubells JF. **Copy Number Variants: A New Molecular Frontier in Clinical Psychiatry.** Curr Psychiatry Rep. 2011 Apr;13(2):129-37
 39. **Moreno-De-Luca D**; SGENE Consortium, Mülle JG; Simons Simplex Collection Genetics Consortium, Kaminsky EB, Sanders SJ; GeneSTAR, Myers SM, Adam MP, Pakula AT, Eisenhauer NJ, Uhas K, Weik L, Guy L, Care ME, Morel CF, Boni C, Salbert BA, Chandrareddy A, Demmer LA, Chow EW, Surti U, Aradhya S, Pickering DL, Golden DM, Sanger WG, Aston E, Brothman AR, Gliem TJ, Thorland EC, Ackley T, Iyer R, Huang S, Barber JC, Crolla JA, Warren ST, Martin CL, Ledbetter DH. **Deletion 17q12 is a recurrent copy number variant that confers high risk of autism and schizophrenia.** Am J Hum Genet. 2010 Nov 12;87(5):618-30

40. Carr CW*, **Moreno-De-Luca D***, Parker C, Zimmerman HH, Ledbetter N, Martin CL, Dobyns WB, Abdul-Rahman OA. **Chiari I malformation, delayed gross motor skills, severe speech delay, and epileptiform discharges in a child with FOXP1 haploinsufficiency.** 2010 Nov;18(11):1216-20. ***Co-first authorship**
41. Devillard F, Guinchat V, **Moreno-De-Luca D**, Tabet AC, Gruchy N, Guillem P, Nguyen Morel MA, Leporrier N, Leboyer M, Jouk PS, Lespinasse J, Betancur C. **Paracentric inversion of chromosome 2 associated with cryptic duplication of 2q14 and deletion of 2q37 in a patient with autism.** Am J Med Genet A. 2010 Sep;152A(9):2346-54
42. Delorme R*, **Moreno-De-Luca D***, Gennetier A, Maier W, Chaste P, Mossner R, Grabe HJ, Ruhrmann S, Falkai P, Mouren MC, Leboyer M, Wagner M, Betancur C. **Search for copy number variants in chromosomes 15q11-q13 and 22q11.2 in obsessive compulsive disorder.** BMC Med Genet. 2010 Jun 21;11(1):100. ***Co-first authorship**
43. Serrano NC, Diaz LA, Casas JP, Hingorani AD, **Moreno-De-Luca D**, Paez MC. **Frequency of eNOS polymorphisms in the Colombian general population.** BMC Genet. 2010 Jun 20;11(1):54
44. Depienne C, **Moreno-De-Luca D**, Heron D, Bouteiller D, Gennetier A, Delorme R, Chaste P, Siffroi JP, Chantot-Bastarud S, Benyahia B, Trouillard O, Nygren G, Kopp S, Johansson M, Rastam M, Burglen L, Leguern E, Verloes A, Leboyer M, Brice A, Gillberg C, Betancur C. **Screening for genomic rearrangements and methylation abnormalities of the 15q11-q13 region in autism spectrum disorders.** Biol Psychiatry. 2009 Aug 15;66(4):349-59
45. Giegling I, **Moreno-De-Luca D**, Calati R, Hartmann AM, Möller HJ, De Ronchi D, Rujescu D, Serretti A. **Tyrosine Hydroxylase and DOPA Decarboxylase Gene Variants in Personality Traits.** Neuropsychobiology. 2009 Feb 17;59(1):23-27
46. Gong X, Bacchelli E, Blasi F, Toma C, Betancur C, Chaste P, Delorme R, Durand CM, Fauchereau F, Botros HG, Leboyer M, Mouren-Simeoni MC, Nygren G, Anckarsäter H, Rastam M, Gillberg IC, Gillberg C, **Moreno-De-Luca D**, Carone S, Nummela I, Rossi M, Battaglia A; International Molecular Genetic Study of Autism Consortium (IMGSAC), Jarvela I, Maestrini E, Bourgeron T. **Analysis of X chromosome inactivation in autism spectrum disorders.** Am J Med Genet B Neuropsychiatr Genet. 2008 Sep 5;147B(6):830-5
47. Giegling I, **Moreno-De-Luca D**, Rujescu D, Schneider B, Hartmann AM, Schnabel A, Maurer K, Möller HJ, Serretti A. **Dopa decarboxylase and tyrosine hydroxylase gene variants in suicidal behavior.** Am J Med Genet B Neuropsychiatr Genet. 2008 Apr 5;147(3):308-15
48. Díaz-Martínez L, Serrano N, Pinzón J, Mantilla G, Velasco H, Martínez L, Millán P, Acevedo S, **Moreno D**, Sus SE. **Lack of association between metabolic syndrome and depressive symptoms in Colombian adults.** Rev Med Chil. 2007 Aug;135(8):990-6
49. Pinzón JB, Serrano NC, Díaz LA, Mantilla G, Velasco HM, Martínez LX, Millán PA, Acevedo SM, **Moreno D**. **Impact of the new definitions in the prevalence of the metabolic syndrome in an adult population at Bucaramanga, Colombia.** Biomedica. 2007 Jun;27(2):172-9

Books and Book Chapters

50. Cubells J, **Moreno-De-Luca D**. **Neurodevelopmental Genomics of Autism, Schizophrenia and Related Disorders**, in *Neural Circuit Development and Function in the Healthy and Diseased Brain: Comprehensive Developmental Neuroscience*. 1st ed. Rubenstein, J and Rakic, P, eds. USA: Academic Press (Elsevier), 2013. P 695-708. Print.

ABSTRACTS

1. Katz J, Biederman J, Goldman M, Best C, Mehta S, Radoeva P, Cubells J, **Moreno-De-Luca D. Treatment with Galantamine in 15q13.3 deletions: Genomically-informed precision medicine strategies in neurodevelopmental disorders.**

World Congress of Psychiatric Genetics. Florence, Italy. September 2022

2. Goldman M, **Moreno De Luca D. Implementing standard of care diagnostic genetic testing for autism spectrum disorders in outpatient psychiatry clinics.**

INSAR 2022 Annual Meeting. Austin, USA. May 2022

Moreno-De-Luca D, Goldman M, RI-CART, Sheinkopf S, Morrow E. Attitudes, Perspectives, and Prevalence of Molecular Genetic Testing in Autism Spectrum Disorders: Big Lessons from The Smallest State.

3. Mind Brain Research Day. Providence, USA. March 2019
4. Enhancing Psychiatric Genetic Counselling, Testing, and Training in Europe (EnGagE). Paris, France. April 2019

Moreno-De-Luca D, Ross DA. Paving the way for Precision Medicine in Psychiatry: Design and implementation of a unified rare genetics curriculum

5. 26th European Congress of Psychiatry. Nice, France. March 2018
6. XXVth World Congress of Psychiatric Genetics. Orlando, USA. October 2017
7. Hare AE, **Moreno-De-Luca D**, Boomer KB, Sanders SJ, State MW, Benedetti M, Beaudet A, Cook EH, Martin DM, Ledbetter DH, Martin CL. **Identification of pathogenic CNVs in a simplex autism cohort and measurement of effect size on cognitive, adaptive, and social function.**
64th Annual Meeting of the American Society of Human Genetics. San Diego, USA. October 2014
8. **Moreno-De-Luca D**, Riggs ER, Ledbetter DH, Martin CL, Cubells JF. **Monoamine Oxidase Deficiency: The clinical relevance of personal genomics in a New Developmental Brain Dysfunction disorder**
XXIst World Congress of Psychiatric Genetics. Boston, USA. October 2013
63rd Annual Meeting of the American Society of Human Genetics. Boston, USA. October 2013
9. Turner T, Oh E, Liu Y, Sosa MX, Sanders, Sharma K, **Moreno-De-Luca D**, Plona T, Pike K, Soppet D, Smith MW, State M, Cheung SW, Martin CL, Haganir R, Cook E, Katsanis N, Chakravarti A. **Delta Catenin (CTNND2): genetics and function of a novel autism gene.**
62nd Annual Meeting of the American Society of Human Genetics. San Francisco, USA. November 2012
10. Reiner J, **Moreno-De-Luca D**, Kaminsky EB, Ledbetter DH, Martin CL. **Using macrocephaly as a quantitative endophenotype in autism patients to enhance the identification of novel candidate genes.**
62nd Annual Meeting of the American Society of Human Genetics. San Francisco, USA. November 2012
11. Vahabzadeh A, Martin CL, **Moreno-De-Luca D**, Cubells J. **Identification of potentially etiologic copy number variations in adults with intellectual disability and autistic spectrum disorders using array comparative genomic hybridization.**
Cell Symposium on Autism Spectrum Disorders: From Mechanisms to Therapies. Arlington, USA. November 2011

Moreno-De-Luca D, Simons Genetics Consortium, Martin CL, Ledbetter DH. Autism spectrum disorders associated with 17q12 deletions implicate the Acetyl-CoA Carboxylase Alpha gene (ACACA).

12. 61st Annual Meeting of the American Society of Human Genetics. Montréal, Canada. October 2011
13. 52nd Annual Short Course on Medical and Experimental Mammalian Genetics. Bar Harbor, USA. July 2011

14. **Moreno-De-Luca D**; SGENE Consortium, Mulle JG; Simons Simplex Collection Genetics Consortium, Kaminsky EB, Sanders SJ; GeneSTAR, Myers SM, Adam MP, Pakula AT, Eisenhauer NJ, Uhas K, Weik L, Guy L, Care ME, Morel CF, Boni C, Salbert BA, Chandrareddy A, Demmer LA, Chow EW, Surti U, Aradhya S, Pickering DL, Golden DM, Sanger WG, Aston E, Brothman AR, Gliem TJ, Thorland EC, Ackley T, Iyer R, Huang S, Barber JC, Crolla JA, Warren ST, Martin CL, Ledbetter DH. **Deletion 17q12 is a recurrent CNV that confers high risk of autism and schizophrenia.**
Platform Oral Presentation
60th Annual Meeting of the American Society of Human Genetics. Washington DC, USA. November 2010
15. Martin CL, **Moreno-De-Luca D**, Knight L, Bunke B, Rossi M, Rudd MK, Bean L, Coffee B, Hegde M, Ledbetter DH. **High diagnostic yield of genetic testing in individuals with Autism Spectrum Disorders.**
National Society of Genetic Counselors 28th Annual Education Conference. Atlanta, USA. November 2009
16. Martin CL, **Moreno-De-Luca D**, Kaminsky EB, Thorland E, Brothman A, Ram I, Aradhya S, Ledbetter DH. **The utility of a shared, public cytogenetic array database in assessing cytogenetic abnormalities in autism.**
59th Annual Meeting of the American Society of Human Genetics. Honolulu, USA. October 2009
17. **Moreno-De-Luca D**, Adam M, Myers SM, Pakula A, Weik L, Guy L, Uhas K, Eisenhauer NJ, Rossi M, Aradhya S, Martin CL, Ledbetter DH. **Association between autism and recurrent 17q12 deletions.**
59th Annual Meeting of the American Society of Human Genetics. Honolulu, USA. October 2009
18. Moreno-De-Luca A, **Moreno-De-Luca D**, Helmers SL, Ledbetter DH, Martin CL. **Epilepsy as an Endophenotype of Autism for Gene Discovery.**
59th Annual Meeting of the American Society of Human Genetics. Honolulu, USA. October 2009
- Moreno-De-Luca D**, Rossi M, Margaret A, Pakula A, Myers S, Eisenhauer N, Aradhya S, Martin CL, Ledbetter DH. **Recurrent 17q12 deletion identified in autism males.**
19. 2009 American College of Medical Genetics Annual Clinical Genetics Meeting. Tampa, USA. March 2009
20. 2009 Postdoctoral Fellow Research Symposium, Emory University School of Medicine. Atlanta, USA. June 2009
21. Moreno-De-Luca A, **Moreno-De-Luca D**, Helmers SL, Martin CL, Ledbetter DH. **Epilepsy in autism spectrum disorders.**
2009 Postdoctoral Fellow Research Symposium, Emory University School of Medicine. Atlanta, USA. June 2009
22. **Moreno-De-Luca D**, Gennetier A, Devillard F, Ginchat V, Assouline B, Gillberg C, Leboyer M, Betancur C. **Chromosome 17q21.31 microdeletion in a patient with autism.**
VII International Meeting for Autism Research - IMFAR. London, UK. May 2008
- Moreno-De-Luca D**, Gennetier A, Delorme R, Gillberg C, Leboyer M, Betancur C. **Gene dosage and methylation analysis of the 15q11-q13 region in patients with autism spectrum disorders.**
23. XVth World Congress of Psychiatric Genetics. New York, USA. October 2007.
24. 8th Symposium of the Société des Neurosciences. Montpellier, France. May 2007
25. Maestrini E, Gong X, Blasi F, Bacchelli E, Toma C, **Moreno-De-Luca D**, Rossi M, Jarvela I, Bourgeron T, The International Molecular Genetics Study of Autism Consortium (IMGSAC). **Analysis of X chromosome inactivation in autism spectrum disorders.**
11th international Congress of Human Genetics. San Diego, USA. October 2007

Moreno-De-Luca D, Vargas CI. First case of Marden-Walker syndrome in Colombia: Case report and review of the literature.

26. Biovision Congress – New Life Sciences. Alexandria, Egypt. April 2006.
27. VI International Congress and VII Colombian Congress of Genetics. Bucaramanga, Colombia. February 2006

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. **Moreno-De-Luca D.** CASA Research Chair Interview on Global News.
<https://globalnews.ca/video/9738691/casa-research-chair-an-expert-in-the-field-of-numerous-neuro-psychiatric-conditions>
2. **Moreno-De-Luca D,** Goldman M, Guidotti R. "What's Your Thing": Art & Science together for autism. Photography Exhibit. <https://www.browndailyherald.com/article/2023/02/alpert-medical-school-photography-exhibit-showcases-shared-humanity>
3. **Moreno-De-Luca D,** PRISMA Library of Life. ASD Genetic Testing Video. Interviews on WJAR (<https://turnto10.com/features/health-landing-page/autism-genetics-spectrum-library-of-life-animated-videos-daniel-moreno-deluca>) & Brown (<https://www.brown.edu/academics/medical/psychiatry-and-human-behavior/news/2022/04/prisma-video>). Videos on www.precisionmedicineinautism.org and <https://www.youtube.com/channel/UCz4w7YT4Nkl5WhlVm5lJnJqQ>
4. **Moreno-De-Luca D,** Ross DA. **Autism Spectrum Disorder and Rare Genetics Module.** National Neuroscience Curriculum Initiative. <https://www.nncionline.org/course/autism-spectrum-disorder/>
5. **Moreno-De-Luca D.** Interview on Autism Research. Go Local Live. <https://www.youtube.com/watch?v=cvTMciX7yAU>
6. **Moreno-De-Luca D.** Autism News Network Podcast Episode 18: Daniel Moreno De Luca. <https://www.youtube.com/watch?v=qXOGdNpXoKM&t=9525>
7. **Moreno-De-Luca D.** Exploring Outer Space and Beyond: Realizing Worlds within Autism. Autism Thinks Podcast. Part 1: <https://podcasts.apple.com/us/podcast/exploring-outer-space-beyond-realizing-worlds-within/id1513218672?i=1000511560513>. Part 2 : <https://podcasts.apple.com/us/podcast/exploring-outer-space-beyond-realizing-worlds-within/id1513218672?i=1000513446546>
8. **Moreno-De-Luca.** Study finds low proportion of individuals with autism receive recommended genetic tests. News from Brown. <https://www.brown.edu/news/2020-05-13/ricart>
9. **Moreno-De-Luca D.** Are Many with Autism Missing Out on Key Gene Tests? US News and World Report. <https://www.usnews.com/news/health-news/articles/2020-05-28/are-many-with-autism-missing-out-on-key-gene-tests>
10. **Moreno-De-Luca D,** Possick S, Sen S, Ross DA. Episode 2: de novo. Tem to the Fifteenth: The Official Podcast of the National Neuroscience Curriculum Initiative. <https://podcasts.apple.com/us/podcast/episode-2-de-novo/id1478837409?i=1000448506014>
11. **Moreno-De-Luca D.** Genetic Testing for Autism (in English and Spanish). <https://www.lifespan.org/lifespan-living/genetic-testing-autism-o>
12. **Moreno-De-Luca D.** Outer Space – A Musical Tribute to People with Autism Spectrum Disorder and Their Families. JAMA Network. <https://www.youtube.com/watch?v=AwQby7Jd2-Q>
13. **Moreno-De-Luca D.** Genetic CBT. National Neuroscience Curriculum Initiative. <https://www.nncionline.org/course/tsirc-dr-daniel-moreno-de-luca-genetic-cbt/>
14. **Moreno-De-Luca D.** Unlocking the Secrets of Autism. TVg Seekonk. <http://cableg.dyndns.org/CablecastPublicSite/show/6597?channel=1>
15. **Moreno-De-Luca D.** Punk Rock Doc. WJAR 10. <https://turnto10.com/studio10/events/punk-rock-doc>
16. **Moreno-De-Luca D.** Interview in Spanish in *Nuestra Salud* with Dr. Pablo Rodriguez. Rhode Informa. <https://fb.watch/78dRzyRMBX/>
17. **Moreno-De-Luca D.** Personalized Treatment – Medicine@ Brown. <https://medicine.at.brown.edu/personalized-treatment/>
18. **Moreno-De-Luca D.** New Childhood Autism Guidelines in 12 years. Health Check Kids. WJAR 10. <https://turnto10.com/features/health-landing-page/health-check-kids/health-check-kids-new-childhood-autism-guidelines-in-12-years>

19. **Moreno-De-Luca D.** 17q12 Newsletter.
English (https://odcfe371-a02f-41da-a01a-4f19e6f87af2.filesusr.com/ugd/2296fe_bb10194d45bd4e22ace197e4294b7bo6.pdf?index=true).
Spanish (https://odcfe371-a02f-41da-a01a-4f19e6f87af2.filesusr.com/ugd/2296fe_54dab5bb8e1e4e48ae3e139e442690c3.pdf)
French (https://odcfe371-a02f-41da-a01a-4f19e6f87af2.filesusr.com/ugd/2296fe_d4ca093c4cad4994b49eb2c520813524.pdf)
20. **Moreno-De-Luca D.** More Testing Needed to Identify Genetic Abnormalities with Autism Spectrum Disorder. Yale School of Medicine News. <https://medicine.yale.edu/psychiatry/news-article/12876/>
21. **Moreno-De-Luca D, Martin CL.** Reading the Writing on the Genome. Emory Magazine. https://www.emory.edu/EMORY_MAGAZINE/issues/2012/winter/of-note/autism/index.html
22. **Moreno-De-Luca D.** People with Chromosome Flaw at High Risk of Autism and Schizophrenia. The Telegraph. <https://www.telegraph.co.uk/news/health/news/8110476/People-with-chromosome-flaw-at-high-risk-of-autism-and-schizophrenia.html>

INVITED PRESENTATIONS

1. **CNVs in 15,000 Genomes: Frequencies, Mechanisms and New Syndromes.**
Grand Rounds. Department of Human Genetics, Emory University School of Medicine. Atlanta GA, USA. November 2009
2. **CNV Atlas of Human Development: Data mining for identification of autism genes and CNVs**
6th Troina Meeting on Genetics of Neurodevelopmental Disorders. Troina, Italy. April 2010
3. **Deletion 17q12 is a recurrent CNV that confers high risk of autism and schizophrenia**
60th Annual Meeting of the American Society of Human Genetics. Washington DC, USA. November 2010
4. **Using large clinical datasets to infer pathogenicity for rare CNVs in autism spectrum disorders**
7th Troina Meeting on Genetics of Neurodevelopmental Disorders. Troina, Italy. April 2012
5. **Solving the autism puzzle one chromosome at a time**
Emory University "Research Matters" Educational Event, Autism Awareness Month. Atlanta, USA. April 2012
6. **All for one and one for all: New clinical perspectives from the genetics of neurodevelopmental disorders**
Grand Rounds – Seymour Lustman Awards. Department of Psychiatry, Yale University, New Haven, USA. June 2013
7. **Overview of clinical symptoms of 17q12 deletions and duplications**
Family Meeting on 17q12 Deletions and Duplications. Philadelphia, USA. August 2014
8. **CRISPR - Genetic CBT**
In: National Neuroscience Curriculum Initiative - This "Stuff" Is Really Cool: Cutting Edge Neuroscience and the Future of Psychiatry. Grand Rounds. Department of Psychiatry, Yale University. New Haven, USA. June 2015
9. **Implementing Precision Medicine in Psychiatry: The Future is Now**
Psychiatry & Genetics Seminar. Autism and Developmental Medicine Institute, Geisinger Health System. Danville, USA. October 2015
10. **Neuropsychiatric Genetics Division: Implementing Precision Medicine in Psychiatry**
Data Blitz, American Academy of Child and Adolescent Psychiatry's 62nd Annual Meeting. San Antonio, USA. November 2015
11. **The Hassenfeld Child Health Innovation Institute's Spotlight on Autism:**

Understanding Autism through the Lens of Rare Genetics and the Study of Infants

Brown University Family Weekend Forum. Providence, USA. October 2016

- 12. Genetics and Autism: Translating What We Know into Real Life**
The Groden Network's 4th Annual Symposium. Providence, USA. April 2017
- 13. Behavioral and psychiatric manifestations of 17q12 deletions and duplications / Curbside consults**
Family Meeting on 17q12 Deletions and Duplications. Chicago, USA. July 2017
- 14. Genomic Psychiatry: Implementing Precision Medicine for Autism and Developmental Disorders**
Mindich Child Health and Development Institute, Icahn School of Medicine at Mount Sinai. New York, USA. June 2019.
- 15. Genomic Psychiatry: Implementing Precision Medicine for Autism and Developmental Disorders**
Grand Rounds, Division of Child and Adolescent Psychiatry, Department of Psychiatry and Human Behavior. Warren Alpert Medical School of Brown University. Providence, USA. December 2019
- 16. Using Genetic and Pharmacological Approaches in the Treatment of People with Autism and Developmental Disabilities**
Bradley Conference. Providence, USA. May 2019
- 17. Attitudes, Perspectives, and Prevalence of Clinical Genetic Testing in Autism Spectrum Disorders: Big Lessons from The Smallest State.**
American Academy of Child and Adolescent Psychiatry's 66th Annual Meeting. Chicago, USA. November 2019
World Congress of Psychiatric Genetics. Los Angeles, USA. October 2019.
- 18. How does genetic testing directly benefit my patient? A case for Genetic Psychiatry: the potential for actionable clinical recommendations from molecular genetic testing.**
Session Chair and Presenter. American Academy of Child and Adolescent Psychiatry's 66th Annual Meeting. Chicago, USA. October 2019
- 19. Genomic Psychiatry: Implementing Precision Medicine for Autism and Developmental Disorders**
Grand Rounds, Division of Child and Adolescent Psychiatry, Department of Psychiatry. University of Alberta. Edmonton, Canada. May 2023

Precision Medicine in Autism (PRISMA): Lighting the path to research through community perspectives in Genomic Psychiatry.
20. Plenary Speaker, World Congress of Psychiatric Genetics. Montréal, Canada. October 2023.
21. Grand Rounds, Department of Psychiatry, University of Florida College of Medicine. Gainesville, USA. November 2024.

GRANTS

Current

University of Calgary & University of Alberta.

One Child Every Child Strategic Catalyst Grants.

Project: **Identifying challenges and opportunities for implementation of standard of care genetic testing for autism and neurodevelopmental conditions**

Grant Amount: CAD\$200,000

PI. Assessment of patient and clinician factors that have an impact on the adoption of genetic testing after a diagnosis of an autism spectrum disorder in the province of Alberta.

Completed

National Institute of Health (NIH) / National Institute on Mental Health (NIMH)

Project: **K23MH120376 – A Genomic Approach to Autism and Schizophrenia Risk through 17q12 CNVs**

Grant Amount: \$197,111 per year.

PI Moreno De Luca, 75% effort. Mentor: Morrow, EM. Integration of digital, remote, cross-diagnostic neurobehavioral and medical phenotyping with genome sequencing to understand factors influencing the expression of mental health comorbidities associated with rare, highly penetrant CNVs in 17q12.

Brown University

Project: **Engineering Genetic Models for Translational Research in Autism and Schizophrenia**

Grant Amount: \$50,000

Co-PI, with PI Eric Morrow and Co-PI Dilber Ece Uzun. Establishment of experimental models (mice and patient-derived stem cells) for 17q12 deletion, a highly penetrant rare cause of autism and schizophrenia, to understand neurodevelopmental pathways and cellular and molecular correlates of this condition.

Bradley Hospital & Hasbro Children's Hospital

Bradley / Hasbro Pilot Research Award

Project: **Implementation & Outcomes of the Genetic Psychiatry Consultation Service: A Road towards Precision Medicine in Autism (PRISMA)**

Grant Amount: \$25,000

PI, with Chanika Phornphutkul. Implementation project focused on the establishment of the new Genetic Psychiatry Consultation Service, which focuses on providing actionable clinical recommendations to people with autism and developmental disabilities with an underlying pathogenic genetic change, and the integration of research on outcomes as a key component of this clinical activity.

Carney Institute for Brain Science, Brown University

Carney Innovation Award

Project: **Development of Experimental Models for Rare Genetic Disorders in Autism and Schizophrenia**

Grant Amount: \$132,000

Co-PI, with Eric Morrow, MD PhD. Collaborative, interdisciplinary project using advanced methods of CRISPR/Cas9 genome-editing and human stem cell methods to establish and validate experimental models (mice and patient-derived stem cells) for the 17q12 CNV disorders.

Department of Psychiatry, Yale University

Thomas P. Detre Fellowship Awards in Translational Neuroscience Research in Psychiatry

Project: **Framework Development for Neurogenetic Psychiatry Clinics**

Grant Amount: \$30,000

Preliminary assessment and framework development for the establishment of Translational Psychiatry Clinics tailored specifically to individuals with known neurogenetic conditions as a way towards personalized medicine.

American Psychiatric Association (APA)

Minority Fellowship Program

Project: **Genetics of Neuropsychiatric Disorders**

Grant amount: \$25,865

Joint effort between Yale University and the University of California at San Francisco in the US, and the Institut Pasteur France, to understanding the genetic underpinnings of autism and other neurodevelopmental conditions and the modulatory effect exerted by cultural background.

Founding Director, Autism Spectrum Disorder Track of Child and Adolescent Psychiatry Fellowship
Brown University, Providence, USA. 2021 to 2023

Rare Genetics Residency Course

Psychiatry Residency
Child and Adolescent Psychiatry Fellowship
Yale University, New Haven, USA. 2015 and 2016

Psychiatry Residency
Child and Adolescent Psychiatry Fellowship
Psychology Internship
Brown University, Providence, USA. 2017, 2018, 2019, 2020, 2021

Child and Adolescent Psychiatry Fellowship
Columbia University. New York, USA. 2023.

Child and Adolescent Psychiatry Fellowship
University of Alberta. Edmonton, Canada. 2023.

Pharmacogenetics Fellowship Course

Brown Child and Adolescent Psychiatry Fellowship
Brown University, Providence, USA. 2017, 2018, 2019, 2020, 2021

Clinical Supervision – Child and Adolescent Psychiatry Fellowship

Psychopharmacology Clinic Supervisor. Brown University. 2019, 2020, 2021, 2022

- Sara Armaiz MD, Child and Adolescent Psychiatry Fellow
- Jared Reichenberg MD, Child and Adolescent Psychiatry Fellow
- Petya Radoeva MD PhD, Child and Adolescent Psychiatry Fellow
- Julia Katz MD, Inaugural Autism Spectrum Disorder Track Fellow, Child and Adolescent Psychiatry Fellow
- Sara Elliot, MD MPH, Child and Adolescent Psychiatry Fellow

Core Supervisor- Brown University. 2020, 2021, 2022

- Julia Katz MD, Inaugural Autism Spectrum Disorder Track Fellow, Child and Adolescent Psychiatry Fellow
- Teresa Daniels MD MS, Child and Adolescent Psychiatry Fellow

Compact Clinical Fellowship in Autism Director. University of Alberta. 2023, 2024.

- Mona Nematian, MD. Child and Adolescent Psychiatrist.

Program for Post-Graduate Trainees: Future Academic Clinician-Educators

Harvard Macy Institute, Boston MA. 2017

Mentor – International Society of Psychiatric Genetics

Samuel Chawner – Cardiff University,
World Congress of Psychiatric Genetics. Orlando, USA. 2017
Brenda Cabrera Mendoza – National Institute of Genomic Medicine INMEGEN
World Congress of Psychiatric Genetics. Orlando, USA. 2017

Author - Rare Genetic Variation Module

National Neuroscience Curriculum Initiative (NNCI). New York, USA. 2016

Founding Member & Chair – Education Committee

International Society of Psychiatric Genetics. Toronto, Canada. 2015 to date.

PhD Examination Committee Member

Guillaume Huguet

Thesis Title: Identification of Genetic Factors Implicated in Autism Spectrum Disorders and Dyslexia

Génétique humaine et fonctions cognitives - URA 2182

Institut Pasteur. Paris, France. 2013

Lilit Antonyan

Thesis Title: Polygenic Risk Scores, Structural Brain Imaging and Quantitative Obsessive-Compulsive

Symptom Scores in Clinically Diagnosed Samples of Children and Adolescents with Obsessive-Compulsive Disorder and other Neuropsychiatric Disorders

Graduate Program in Medical Science, Molecular & Medical Genetics Specialization

University of Calgary. Calgary, Canada. 2024.

Masters Examination Committee Member

Oscar Andres Moreno Ramos

Thesis Title: Candidate *de novo* Variants and Pathways in ASD uncovered by Whole-Exome Sequencing

Human Genetics Laboratory

Universidad de los Andes, Bogotá, Colombia. 2013

Medical Student Teaching

Medi 545: Human and Molecular Genetics

Emory University School of Medicine, Atlanta, USA. 2009 and 2010

EDITORIAL EXPERIENCE

Reviewer

American Journal of Human Genetics, Cell Press

American Journal of Medical Genetics – Part A, Wiley

Archives of General Psychiatry, The JAMA Network

Autism Research, Wiley

Biological Psychiatry, Elsevier

Clinical Genetics, Wiley

European Journal of Medical Genetics, Elsevier

Gene Reviews, National Center for Biotechnology Information (NCBI)

Genes, MDPI

Journal of Autism and Developmental Disorders, Springer

Journal of Neurodevelopmental Disorders, BioMed Central

Journal of Pediatric Genetics, IOS Press

Molecular Autism, BioMed Central

Molecular Psychiatry, Nature Publishing Group

Neurobiology of Disease, Elsevier

PLOS One, Public Library of Science

Prenatal Diagnosis, Wiley Online Library

Scandinavian Journal of Child and Adolescent Psychiatry and Psychology, Exeley

Science Advances, American Association for the Advancement of Science

Scientific Reports, Nature Publishing Group

Revista Investigación Clínica, Universidad del Zulia

Schizophrenia Bulletin, Oxford University Press

The Journal of Clinical Endocrinology and Metabolism, The Endocrine Society

Associate Editor

Journal of Autism and Developmental Disorders
Springer
March 2022 to June 2023

GRANT REVIEW EXPERIENCE

Universidad Nacional de Colombia.
Bogotá, Colombia. 2009

Universidad de los Andes.
Bogotá, Colombia. 2014

University of Leuven.
Leuven, Belgium. 2019

QUALITY IMPROVEMENT EXPERIENCE

Implementing genetic testing for ASD

Established the clinical and administrative support and developed the educational material and procedure standardization required to implement clinical genetic testing for people with autism and developmental disabilities.

Bradley Hospital, July 2016 to January 2023.

Learning & Development Centre & Adult Neurodevelopmental Clinic, January 2024 to date.

ENTREPRENEURIAL EXPERIENCE

Co-founder – MetaDr.

Platform for physician-to-physician communications leading to actionable recommendations in real time.

Venture Creation Program Fellowship recipient – Yale Entrepreneurial Institute

Falling Walls Lab Yale – Second Place. January 2015.