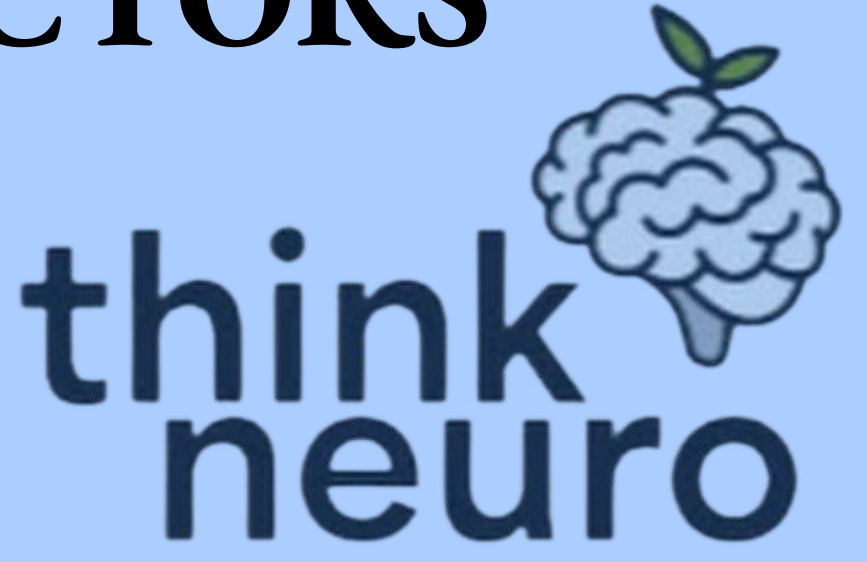


think
neuro

Corresponding Authors: Fatima Khan Lookmanji, Edmundo Leong, Dhruva Bhat

1. Web of Science Core Collection
2. R Studio
3. Bibliometrix/Biblioshiny Software
4. ¹Wu, Jing et al. "Role of dopamine receptors in ADHD: a systematic meta-analysis." *Molecular neurobiology* vol. 45,3 (2012): 605-20. doi:10.1007/s12035-012-8278-5
5. ²Yadav, Santosh K et al. "Genetic variations influence brain changes in patients with attention-deficit hyperactivity disorder." *Translational psychiatry* vol. 11,349.5Jun. 2021, doi:10.1038/s41398-021-01473-w

EXAMINING LINKAGES OF ADHD RISK ALLELE DOPAMINE TRANSPORTER GENE DAT1: A BIBLIOMETRIC ANALYSIS OF THE TOP 100 MOST-CITED ARTICLES OF EXISTING LITERATURE ON ADHD DEVELOPMENT & RISK FACTORS



Think Neuro & UC Berkeley
Sarah Choudhury*, Raelle Tiong*, Jenny Nhieu, Morgan Lockett, Bela Bhave, Miyo Macario, Jacob Hagen, Ffion Osahon, Muskaan Thukkral, Aadee Doshi

REFERENCES

Brookes, K., Xu, X., Chen, W. et al. The analysis of 51 genes in DSM-IV combined type attention deficit hyperactivity disorder: association signals in DRD4, DAT1 and 16 other genes. *Mol Psychiatry* 11, 934–953 (2006). <https://doi.org/10.1038/sj.mp.4001869>

Dawei Li, Pak C. Sham, Michael J. Owen, Lin He, Meta-analysis shows significant association between dopamine system genes and attention deficit hyperactivity disorder (ADHD). *Human Molecular Genetics*, Volume 15, Issue 14, 15 July 2006, Pages 2276–2284, <https://doi.org/10.1093/hmg/ddl152>

Swanson, J.M. et al. "Dopamine Genes and ADHD." *Neuroscience & Biobehavioral Reviews*, vol. 24, no. 1, Jan. 2000, pp. 21–25, [https://doi.org/10.1016/0149-7634\(99\)00062-7](https://doi.org/10.1016/0149-7634(99)00062-7)

Fisher, Simon E. et al. "A Genomewide Scan for Loci Involved in Attention-Deficit/Hyperactivity Disorder." *The American Journal of Human Genetics*, vol. 70, no. 5, May 2002, pp. 1183–1196. <https://doi.org/10.1086/340112>. Accessed 15 Aug. 2022.

Brookes, Keeley-Joanne. et al. "A Common Haplotype of the Dopamine Transporter Gene Associated with Attention-Deficit/Hyperactivity Disorder and Interacting with Maternal Use of Alcohol during Pregnancy." *Archives of General Psychiatry*, vol. 63, no. 1, 1 Jan. 2006, p. 74. <https://doi.org/10.1001/archpsyc.63.1.74>

Belgrove, Mark A., et al. "Dissecting the Attention Deficit Hyperactivity Disorder (ADHD) Phenotype: Sustained Attention, Response Variability and Spatial Attentional Asymmetries in Relation to Dopamine Transporter (DAT1) Genotype." *Neuropsychologia*, vol. 43, no. 13, Jan. 2005, pp. 1847–1857. <https://doi.org/10.1016/j.neuropsychologia.2005.03.011>

Maher, Brion S., et al. "Dopamine System Genes and Attention Deficit Hyperactivity Disorder: A Meta-Analysis." *Psychiatric Genetics*, vol. 12, no. 4, Dec. 2002, pp. 207–215. <https://doi.org/10.1097/00041444-200212000-00003>. Accessed 25 Mar. 2019.

Neuman, Rosalind J., et al. "Prenatal Smoking Exposure and Dopaminergic Genotypes Interact to Cause a Severe ADHD Subtype." *Biological Psychiatry*, vol. 61, no. 12, June 2007, pp. 1320–1328. <https://doi.org/10.1016/j.biopsych.2006.08.049>

Cornish, K., Manly, T., Savage, R., et al. Association of the dopamine transporter (DAT1) 10/10-repeat genotype with ADHD symptoms and response inhibition in a general population sample. *Mol Psychiatry* 10, 686–698 (2005). <https://doi.org/10.1038/sj.mp.4001641>

Frankle, B., Vazquez, A., Johansson, S., et al. Multicenter Analysis of the SLC6A3/DAT1 VNTR Haploypes in Persistent ADHD Suggests Differential Involvement of the Gene in Childhood and Persistent ADHD. *Neuropsychopharmacol* 35, 656–664 (2010). <https://doi.org/10.1038/npp.2009.170>

Laucht, Manfred, et al. "Interacting Effects of the Dopamine Transporter Gene and Psychosocial Adversity on Attention-Deficit/Hyperactivity Disorder Symptoms among 15-Year-Olds from a High-Risk Community Sample." *Archives of General Psychiatry*, vol. 64, no. 5, 1 May 2007, p. 585. <https://doi.org/10.1001/archpsyc.64.5.585>

Krause, Klaus-Henning, et al. "The Dopamine Transporter and Neuroimaging in Attention Deficit Hyperactivity Disorder." *Neuroscience & Biobehavioral Reviews*, vol. 27, no. 7, Nov. 2003, pp. 605–613. <https://doi.org/10.1016/j.neubiorev.2003.08.012>

Roman, Tatiana, et al. "Attention-Deficit Hyperactivity Disorder: A Study of Association with Both the Dopamine Transporter Gene and the Dopamine D4 Receptor Gene." *American Journal of Medical Genetics*, vol. 105, no. 5, 2001, pp. 471–478. <https://doi.org/10.1002/ajmg.1408>. Accessed 25 Mar. 2019.

Barr, Cathy L., et al. "Haplotype Study of Three Polymorphisms at the Dopamine Transporter Locus Confirm Linkage to Attention-Deficit/Hyperactivity Disorder." *Biological Psychiatry*, vol. 49, no. 4, Feb. 2001, pp. 333–339. [https://doi.org/10.1016/s0006-3223\(00\)01053-2](https://doi.org/10.1016/s0006-3223(00)01053-2). Accessed 1 May 2022.

Paloyelis, Y., Asherson, P., Mehta, M., et al. DAT1 and COMT Effects on Delay Discounting and Trait Impulsivity in Male Adolescents with Attention Deficit/Hyperactivity Disorder and Healthy Controls. *Neuropsychopharmacol* 35, 2414–2426 (2010). <https://doi.org/10.1016/j.neuropsychologia.2004.06.004>. Accessed 25 Mar. 2019.

Cheon, Keun-Ah, et al. "The Homozygosity for 10-Repeat Allele at Dopamine Transporter Gene and Dopamine Transporter Density in Korean Children with Attention Deficit Hyperactivity Disorder: Relating to Treatment Response to Methylphenidate." *European Neuropsychopharmacology*, vol. 15, no. 3, Jan. 2005, pp. 95–101. <https://doi.org/10.1016/j.euroneuro.2004.06.004>. Accessed 25 Mar. 2019.

LOO, SANDRA K., et al. "Functional Effects of the DAT1 Polymorphism on EEG Measures in ADHD." *Journal of the American Academy of Child & Adolescent Psychiatry*, vol. 42, no. 8, Aug. 2003, pp. 986–993. <https://doi.org/10.1097/01.chi.0000046890.27264.88>. Accessed 15 Dec. 2022.

Curran, S., Mill, J., Tahir, E. et al. Association study of a dopamine transporter polymorphism and attention deficit hyperactivity disorder in UK and Turkish samples. *Mol Psychiatry* 6, 425–428 (2001). <https://doi.org/10.1038/sj.mp.4000914>

Kirley, Aileen, et al. "Association of the 480 Bp DAT1 Allele with Methylphenidate Response in a Sample of Irish Children with ADHD." *American Journal of Medical Genetics*, vol. 121B, no. 1, 30 July 2003, pp. 50–54. <https://doi.org/10.1002/ajmg.b.20071>

Hebebrand, J., Döpfner, A., Saar, K. et al. A genome-wide scan for attention-deficit/hyperactivity disorder in 155 German sib-pairs. *Mol Psychiatry* 11, 196–205 (2006). <https://doi.org/10.1038/sj.mp.4001761>

Stein, M., Waldman, I., Saraponte, C. et al. Dopamine Transporter Genotype and Methylphenidate Dose Response in Children with ADHD. *Neuropsychopharmacol* 30, 1374–1382 (2005). <https://doi.org/10.1038/sj.npp.1300718>

Roman, Tatiana; Szobot, Claudia; Martins, Silviah; Biederman, Joseph; Rohde, Luis A.; Hutz, Mara H.a. Dopamine transporter gene and response to methylphenidate in attention-deficit/hyperactivity disorder. *Pharmacogenetics* 12(6):p 497-499, August 2002.

MITCHELL, R. J., et al. "Distribution of the 3' VNTR Polymorphism in the Human Dopamine Transporter Gene in World Populations." *Human Biology*, vol. 72, no. 2, 2000, pp. 295–304. *JSTOR*. <http://www.jstor.org/stable/41465826>. Accessed 27 Jan. 2024.

Sonuga-Barke, Edmund J.S., et al. "Dopamine and Serotonin Transporter Genotypes Moderate Sensitivity to Maternal Expressed Emotion: The Case of Conduct and Emotional Problems in Attention Deficit/Hyperactivity Disorder." *Journal of Child Psychology and Psychiatry*, vol. 50, no. 9, Sept. 2009, pp. 1052–1063. <https://doi.org/10.1111/j.1469-7610.2009.02095.x>. Accessed 6 Oct. 2019.

Hawi, Z., Lowe, N., Kirley, A. et al. Linkage disequilibrium mapping at DAT1, DRD5 and DBH narrows the search for ADHD susceptibility alleles at these loci. *Mol Psychiatry* 8, 299–308 (2003). <https://doi.org/10.1038/sj.mp.4001290>

Barkley, Russell A., et al. "An Examination of the Behavioral and Neuropsychological Correlates of Three ADHD Candidate Gene Polymorphisms (DRD4 7+, DBH TaqI A2, and DAT1 40 Bp VNTR) in Hyperactive and Normal Children Followed to Adulthood." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 141B, no. 5, 2006, pp. 487–498. <https://doi.org/10.1002/ajmg.b.30326>. Accessed 17 Sept. 2019.

Becker, Katja, et al. "Interaction of Dopamine Transporter Genotype with Prenatal Smoke Exposure on ADHD Symptoms." *The Journal of Pediatrics*, vol. 152, no. 2, Feb. 2008, pp. 263-269.e1. <https://doi.org/10.1016/j.jpeds.2007.07.004>. Accessed 1 June 2020.

Durston, Sarah, et al. "Dopamine Transporter Genotype Conveys Familial Risk of Attention-Deficit/Hyperactivity Disorder through Striatal Activation." *Journal of the American Academy of Child and Adolescent Psychiatry*, vol. 47, no. 1, 1 Jan. 2008, pp. 61–67. <https://doi.org/10.1097/chl.0b013e3181545017>. Accessed 23 Apr. 2023.

Chen, CK., Chen, SL., Mill, J., et al. The dopamine transporter gene is associated with attention deficit hyperactivity disorder in a Taiwanese sample. *Mol Psychiatry* 8, 393–396 (2003). <https://doi.org/10.1038/sj.mp.4001238>

Belgrove, M., Hawi, Z., Kirley, A. et al. Association between Dopamine Transporter (DAT1) Genotype, Left-Sided Inattention, and an Enhanced Response to Methylphenidate in Attention-Deficit Hyperactivity Disorder. *Neuropsychopharmacol* 30, 2290–2297 (2005). <https://doi.org/10.1038/sj.npp.1300839>

Brookes, Keeley J., et al. "Relationship between VNTR Polymorphisms of the Human Dopamine Transporter Gene and Expression in Post-Mortem Midbrain Tissue." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 144B, no. 8, 2007, pp. 1070–1078. <https://doi.org/10.1002/ajmg.b.30572>. Accessed 17 Apr. 2022.

Mill, Jonathan, et al. "Prediction of Heterogeneity in Intelligence and Adult Prognosis by Genetic Polymorphisms in the Dopamine System among Children with Attention-Deficit/Hyperactivity Disorder." *Archives of General Psychiatry*, vol. 63, no. 4, 1 Apr. 2006, p. 462. <https://doi.org/10.1001/archpsyc.63.4.462>

Frankle, B., et al. "Association of the Dopamine Transporter (SLC6A3/DAT1) Gene 9-6 Haplotype with Adult ADHD." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 147B, no. 8, 5 Dec. 2008, pp. 1576–1579. <https://doi.org/10.1002/ajmg.b.30861>

Mill, Jonathan, et al. "Quantitative Trait Locus Analysis of Candidate Gene Alleles Associated with Attention Deficit Hyperactivity Disorder (ADHD) in Five Genes:DRD4, DAT1, DRD5, SNAP-25, And5HT1B." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 133B, no. 1, 2005, pp. 68–73. <https://doi.org/10.1002/ajmg.b.30107>

Friedel, S., Saar, K., Sauer, S. et al. Association and linkage of allelic variants of the dopamine transporter gene in ADHD. *Mol Psychiatry* 12, 923–933 (2007). <https://doi.org/10.1038/sj.mp.4001986>

Xu, Yi, et al. "Multiple Epigenetic Factors Predict the Attention Deficit/Hyperactivity Disorder among the Chinese Han Children." *Journal of Psychiatric Research*, vol. 64, May 2015, pp. 40–50. <https://doi.org/10.1016/j.jpsychires.2015.03.006>

Belgrove, Mark A., and Jason B. Mattingley. "Molecular Genetics of Attention." *Annals of the New York Academy of Sciences*, vol. 1129, no. 1, May 2008, pp. 200–212. <https://doi.org/10.1196/annals.1417.013>. Accessed 21 Feb. 2020.

Carrasco, Ximena, et al. "Genotypic Interaction between DRD4 and DAT1 Loci Is a High Risk Factor for Attention-Deficit/Hyperactivity Disorder in Chilean Families." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 141B, no. 1, 2005, pp. 51–54. <https://doi.org/10.1002/ajmg.b.30259>. Accessed 11 Apr. 2021.

Kooji, J. Sandra, et al. "Response to Methylphenidate in Adults with ADHD Is Associated with a Polymorphism InSLC6A3 (DAT1)." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 147B, no. 2, 2008, pp. 201–208. <https://doi.org/10.1002/ajmg.b.30586>

Rowe, D., Stever, C., Chase, D. et al. Two dopamine genes related to reports of childhood retrospective inattention and conduct disorder symptoms. *Mol Psychiatry* 6, 429–433 (2001). <https://doi.org/10.1038/sj.mp.4000874>

Bédard, Anne-Claude, et al. "Dopamine Transporter Gene Variation Modulates Activation of Striatum in Youth with ADHD." *NeuroImage*, vol. 53, no. 3, Nov. 2010, pp. 935–942. <https://doi.org/10.1016/j.neuroimage.2009.12.041>. Accessed 5 May 2019.

Drtilková, Ivana, et al. "Clinical and Molecular Genetic Markers of ADHD in Children." *PubMed*, vol. 29, no. 3, 1 June 2008, pp. 320–7. Accessed 27 Jan. 2024.

Kambitz, J., Romanos, M. & Ertinger, U. Meta-analysis of the association between dopamine transporter genotype and response to methylphenidate treatment in ADHD. *Pharmacogenomics* 14, 77–84 (2014). <https://doi.org/10.1038/tpj.2013.9>

Joobee, Ridha, et al. "Dopamine Transporter 3'-UTR VNTR Genotype and ADHD: A Pharmaco-Behavioural Genetic Study with Methylphenidate." *Neuropsychopharmacology*, vol. 32, no. 6, 25 Oct. 2006, pp. 1370–1376. <https://doi.org/10.1038/sj.npp.1301240>

Joobee, Ridha, et al. "Dopamine Transporter 3'-UTR VNTR Genotype and ADHD: A Pharmaco-Behavioural Genetic Study with Methylphenidate." *Neuropsychopharmacology*, vol. 32, no. 6, 25 Oct. 2006, pp. 1370–1376. <https://doi.org/10.1038/sj.npp.1301240>. Accessed 27 Mar. 2020.

Commins, T., Hawi, Z., Hocking, J. et al. Dopamine transporter genotype predicts behavioural and neural measures of response inhibition. *Mol Psychiatry* 17, 1086–1092 (2012).

Qian, Qijun, et al. "Family-Based and Case-Control Association Studies of DRD4 and DAT1 Polymorphisms in Chinese Attention Deficit Hyperactivity Disorder Patients Suggest Long Repeats Contribute to Genetic Risk for the Disorder." *American Journal of Medical Genetics*, vol. 128B, no. 1, 2004, pp. 84–89. <https://doi.org/10.1002/ajmg.b.30079>

Mill, J., Sagvolden, T. & Asherson, P. Sequence analysis of *Drd2*, *Drd4*, and *Dat1* in SHR and WKY rat strains. *Behav Brain Funct* 1, 24 (2005). <https://doi.org/10.1186/1744-9081-1-24>

Braet, Wouter, et al. "fMRI Activation during Response Inhibition and Error Processing: The Role of the DAT1 Gene in Typically Developing Adolescents and Those Diagnosed with ADHD." *Neuropsychologia*, vol. 49, no. 7, June 2011, pp. 1641–1650. <https://doi.org/10.1016/j.neuropsychologia.2011.01.001>. Accessed 25 Oct. 2020.

Genro, Júlia P., et al. "A Common Haplotype at the Dopamine Transporter Gene 5' Region Is Associated with Attention-Deficit/Hyperactivity Disorder." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 147B, no. 8, 5 Dec. 2008, pp. 1568–1575. <https://doi.org/10.1002/ajmg.b.30863>. Accessed 9 Mar. 2020.

Stergiakouli, "Fitting the Pieces Together: Current Research on the Genetic Basis of Attention-Deficit/Hyperactivity Disorder (ADHD)." *Neuropsychiatric Disease and Treatment*, Aug. 2010, p. 551. <https://doi.org/10.2147/ndt.s11322>

Feng, Yu, et al. "Sequence Variation in the 3'-Untranslated Region of the Dopamine Transporter Gene and Attention-Deficit Hyperactivity Disorder (ADHD)." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 139B, no. 1, 2005, pp. 1–6. <https://doi.org/10.1002/ajmg.b.30190>. Accessed 26 Jan. 2021.

Stein, Mark A., and James J. McGough. "The Pharmacogenomic Era: Promise for Personalizing Attention Deficit Hyperactivity Disorder Therapy." *Child and Adolescent Psychiatric Clinics of North America*, vol. 17, no. 2, Apr. 2008, pp. 475–490. [https://doi.org/10.1016/j.chc.2007.11.009](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2413066/)

Kopečková, Marta, et al. "Some ADHD Polymorphisms (in Genes DAT1, DRD2, DRD3, DBH, 5-HTT) in Case-Control Study of 100 Subjects 6-10 Age." *PubMed*, vol. 29, no. 2, 1 Apr. 2008, pp. 246–51. Accessed 27 Jan. 2024.

Ficks, C.A., Waldman, I.D. Gene-environment interactions in attention-deficit/hyperactivity disorder. *Curr Psychiatry Rep* 11, 387–392 (2009). <https://doi.org/10.1007/s11920-009-0058-1>

Bidwell, L.C., Willcutt, E.G., McQueen, M.B. et al. A Family Based Association Study of DRD4, DAT1, and 5HTT and Continuous Traits of Attention-Deficit Hyperactivity Disorder. *Behav Genet* 41, 165–174 (2011). <https://doi.org/10.1007/s10519-010-9437-y>

Lee, Steve S., et al. "Association of Dopamine Transporter Genotype with Disruptive Behavior Disorders in an Eight-Year Longitudinal Study of Children and Adolescents." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 144B, no. 3, 2007, pp. 310–317. <https://doi.org/10.1002/ajmg.b.30447>

Miller, G., De La Garza, R., Novak, M. et al. Single nucleotide polymorphisms distinguish multiple dopamine transporter alleles in primates: implications for association with attention deficit hyperactivity disorder and other neuropsychiatric disorders. *Mol Psychiatry* 6, 50–58 (2001). <https://doi.org/10.1038/sj.mp.4000809>

Tang, Yilang, et al. "A Single Nucleotide Polymorphism at DBH, Possibly Associated with Attention-Deficit/Hyperactivity Disorder, Associates with Lower Plasma Dopamine β-Hydroxylase Activity and Is in Linkage Disequilibrium with Two Putative Functional Single Nucleotide Polymorphisms." *Biological Psychiatry*, vol. 60, no. 10, Nov. 2006, pp. 1034–1038. <https://doi.org/10.1016/j.biopsych.2006.02.017>. Accessed 19 Oct. 2021.

Ding, Kaijing, et al. "DAT1 Methylation Is Associated with Methylphenidate Response on Oppositional and Hyperactive-Impulsive Symptoms in Children and Adolescents with ADHD." *The World Journal of Biological Psychiatry*, vol. 18, no. 4, 27 Sept. 2016, pp. 291–299. <https://doi.org/10.1080/15622975.2016.1224928>

Kim, Jae-won, et al. "The Dopamine Transporter Gene and the Impulsivity Phenotype in Attention Deficit Hyperactivity Disorder: A Case-Control Association Study in a Korean Sample." *Journal of Psychiatric Research*, vol. 40, no. 8, 1 Dec. 2006, pp. 730–737. [https://doi.org/10.1016/j.jpsychires.2005.11.002](https://www.sciencedirect.com/science/article/abs/pii/S002239560500138X). Accessed 3 Mar. 2020.

Kim, Young Shin, et al. "Family-Based Association Study of DAT1 and DRD4 Polymorphism in Korean Children with ADHD." *Neuroscience Letters*, vol. 390, no. 3, Dec. 2005, pp. 176–181. <https://doi.org/10.1016/j.neulet.2005.08.025>. Accessed 25 Mar. 2019.

Altnik, M.E., Slaats-Willemse, D.L.E., Rommelse, N.N.J., et al. Effects of maternal and paternal smoking on attentional control in children with and without ADHD. *Eur Child Adolesc Psychiatry* 18, 465–475 (2009). <https://doi.org/10.1007/s00787-009-0001-3>

Langley, K., Fowler, T.A., Grady, D.L. et al. Molecular genetic contribution to the developmental course of attention-deficit hyperactivity disorder. *Eur Child Adolesc Psychiatry* 18, 26–32 (2009). <https://doi.org/10.1007/s00787-008-0698-4>

Albrecht, Björn, et al. "Genetics of Preparation and Response Control in ADHD: The Role of DRD4 and DAT1." *Journal of Child Psychology and Psychiatry*, vol. 55, no. 8, 13 Feb. 2014, pp. 914–923. <https://doi.org/10.1111/jcpp.12212>

Belgrove, Mark A., et al. "Dopaminergic Haplotype as a Predictor of Spatial Inattention in Children with Attention-Deficit/Hyperactivity Disorder." *Archives of General Psychiatry*, vol. 66, no. 10, 1 Oct. 2009, p. 1135. <https://doi.org/10.1001/archgenpsychiatry.2009.120>. Accessed 16 Oct. 2020.

Loo, Sandra K., et al. "Cognitive Functioning in Affected Sibling Pairs with ADHD: Familial Clustering and Dopamine Genes." *Journal of Child Psychology and Psychiatry*, vol. 49, no. 9, Sept. 2008, pp. 950–957. <https://doi.org/10.1111/j.1469-7610.2008.01928.x>

Mughla, P. "99A Quantitative Trait Locus Analysis of the Dopamine Transporter Gene in Adults with ADHD." *Neuropsychopharmacology*, 9 June 2002. [https://doi.org/10.1016/s0893-1330\(02\)00328-7](https://doi.org/10.1016/s0893-1330(02)00328-7). Accessed 7 Sept. 2019.

Aarts, Esther, et al. "Reward Modulation of Cognitive Function in Adult Attention-Deficit/Hyperactivity Disorder." *Behavioral Pharmacology*, vol. 26, no. 1 and 2 - Special Issue, Feb. 2015, pp. 227–240. <https://doi.org/10.1097/bhp.0b000000000000116>. Accessed 5 Apr. 2022.

Brookes, Keeley, et al. "Association of ADHD with Genetic Variants in the 5'-Region of the Dopamine Transporter Gene: Evidence for Allelic Heterogeneity." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 147B, no. 8, 30 July 2008, pp. 1519–1523. <https://doi.org/10.1002/ajmg.b.30782>

Genro, Júlia P., et al. "A Promoter Polymorphism (–839 c > T) at the Dopamine Transporter Gene Is Associated with Attention Deficit/Hyperactivity Disorder in Brazilian Children." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 144B, no. 2, 5 Mar. 2007, pp. 215–219. <https://doi.org/10.1002/ajmg.b.30428>. Accessed 22 Mar. 2022.

van den Hoofdakker, Barbara J., et al. "Dopamine Transporter Gene Moderates Response to Behavioral Parent Training in Children with ADHD: A Pilot Study." *Developmental Psychology*, vol. 48, no. 2, 2012, pp. 567–574. <https://doi.org/10.1037/a0026564>

Hawi, Z., et al. "ADHD and DAT1: Further Evidence of Paternal Over-Transmission of Risk Alleles and Haploypes." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 9999B, 2009, p. n/a/n/a. <https://doi.org/10.1002/ajmg.b.30960>. Accessed 6 Oct. 2019.

Gruber, Reut, et al. "Dopamine Transporter Genotype and Stimulant Side Effect Factors in Youth Diagnosed with Attention-Deficit/Hyperactivity Disorder." *Journal of Child and Adolescent Psychopharmacology*, vol. 19, no. 3, June 2009, pp. 233–239. <https://doi.org/10.1089/cap.2008.0133>. Accessed 27 Mar. 2020.

Xu, X., Mill, J., Sun, B. et al. Association study of promoter polymorphisms at the dopamine transporter gene in Attention Deficit Hyperactivity Disorder. *BMC Psychiatry* 9, 3 (2009). <https://doi.org/10.1186/1471-2458-9-3>

Wiers, Corine E., et al. "Methylation of the Dopamine Transporter Gene in Blood Is Associated with Striatal Dopamine Transporter Availability in ADHD: A Preliminary Study." *European Journal of Neuroscience*, vol. 48, no. 3, Aug. 2018, pp. 1884–1895. <https://doi.org/10.1111/ejnn.14067>

Gizer, Ian R., and Irwin D. Waldman. "Double Dissociation between Lab Measures of Inattention and Impulsivity and the Dopamine Transporter Gene (DAT1) and Dopamine D4 Receptor Gene (DRD4)." *Journal of Abnormal Psychology*, vol. 121, no. 4, Nov. 2012, pp. 1011–1023. <https://doi.org/10.1037/a0028225>. Accessed 7 Sept. 2019.

Gabriela, Martínez-Levy, et al. "Genetic Interaction Analysis for DRD4 and DAT1 Genes in a Group of Mexican ADHD Patients." *Neuroscience Letters*, vol. 451, no. 3, Feb. 2009, pp. 257–260. <https://doi.org/10.1016/j.neulet.2009.01.004>. Accessed 25 Mar. 2019.

Zhou, Kaixin, et al. "Genetic Heterogeneity in ADHD-DAT1 Gene Only Affects Probands without CD." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 147B, no. 8, 5 Dec. 2008, pp. 1481–1487. <https://doi.org/10.1002/ajmg.b.30644>. Accessed 9 June 2021.

Šerý, O., Paclt, I., Drtilková, I. et al. A 40-bp VNTR polymorphism in the 3'-untranslated region of *DAT1/SLC6A3* is associated with ADHD but not with alcoholism. *Behav Brain Funct* 11, 21 (2015). <https://doi.org/10.1186/s12993-015-0066-8>

Tharoor, Hema, et al. "Association of Dopamine, Serotonin, and Nicotinic Gene Polymorphisms with Methylphenidate Response in ADHD." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 147B, no. 4, 2008, pp. 527–530. <https://doi.org/10.1002/ajmg.b.30637>

Lim, Myung-Ho, et al. "Association of the DAT1 Polymorphism with Attention Deficit Hyperactivity Disorder (ADHD): A Family-Based Approach." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, vol. 141B, no. 3, 2006, pp. 309–311. <https://doi.org/10.1002/ajmg.b.30282>. Accessed 10 Apr. 2022.

Fernández-Jaén, Alberto, et al. "Cortical Thickness Differences in the Prefrontal Cortex in Children and Adolescents with ADHD in Relation to Dopamine Transporter (DAT1) Genotype." *Psychiatry Research: Neuroimaging*, vol. 233, no. 3, Sept. 2015, pp. 409–417. <https://doi.org/10.1016/j.psychres.2015.07.005>

Park, Subin, et al. "Differential Perinatal Risk Factors in Children with Attention-Deficit/Hyperactivity Disorder by Subtype." *Psychiatry Research*, vol. 219, no. 3, 30 Nov. 2014, pp. 609–616.