

# Tobacco in Australia

## Facts & Issues

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### Relevant news and research

#### 6.9 Predictors of nicotine dependence

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#### Research:

Reed, BC, Grissom, MO, Carroll Turpin, MA, & Starks, SM. (2024). Addiction Medicine: Tobacco Use Disorder. *FP Essent*, 546, 23-28. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39556472>

Li, MD, Liu, Q, Shi, X, Wang, Y, Zhu, Z, Guan, Y et al. (2024). Integrative analysis of genetics, epigenetics and RNA expression data reveal three susceptibility loci for smoking behavior in Chinese Han population. *Mol Psychiatry*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38789676>

Tan, Q, Xu, X, Zhou, H, Jia, J, Jia, Y, Tu, H et al. (2024). A multi-ancestry cerebral cortex transcriptome-wide association study identifies genes associated with smoking behaviors. *Mol Psychiatry*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38816585>

Gunn, MP, Rose, GM, Whitton, AE, Pizzagalli, DA, & Gilbert, DG. (2024). Smoking Progression and Nicotine-Enhanced Reward Sensitivity Predicted by Resting-State Functional Connectivity in Salience and Executive Control Networks. *Nicotine Tob Res*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38624067>

Al-Zahrani, MH, & Almutairi, NM. (2023). Genetic Polymorphisms of GSTM1 and GPX1 Genes and Smoking Susceptibility in the Saudi Population. *J Pharm Bioallied Sci*, 15(4), 180-189. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38235052>

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Awada, Z, Cahais, V, Cuenin, C, Akika, R, Silva Almeida Vicente, AL, Makki, M et al. (2023). Waterpipe and cigarette epigenome analysis reveals markers implicated in addiction and smoking type inference. *Environ Int*, 182, 108260. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38006773>

Qiu, X, Han, X, Wang, Y, Ding, W, Sun, Y, Lei, H et al. (2023). Interaction effects between smoking and internet gaming disorder on resting-state functional connectivity of the ventral tegmental area and hippocampus. *Front Neurosci*, 17, 1270014. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37965221>

Seemiller, LR, Garcia-Trevizo, P, Novoa, C, Goldberg, LR, Murray, S, & Gould, TJ. (2023). Adolescent intermittent alcohol exposure produces strain-specific cross-sensitization to nicotine and other behavioral adaptations in adulthood in C57BL/6J and DBA/2J mice. *Pharmacol Biochem Behav*, 232, 173655. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37802393>

Naddaf, M. (2022). Largest-ever analysis finds genetic links to smoking and drinking. *Nature*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36481943>

Saunders, GRB, Wang, X, Chen, F, Jang, SK, Liu, M, Wang, C et al. (2022). Genetic diversity fuels gene discovery for tobacco and alcohol use. *Nature*, 612(7941), 720-724. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36477530>

Alsaafin, A, Chenoweth, MJ, Sylvestre, MP, O'Loughlin, J, & Tyndale, RF. (2023). Genetic variation in fatty acid amide hydrolase (FAAH): Associations with early drinking and smoking behaviors. *Addict Behav*, 137, 107545. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36403489>

Piga, NN, Boua, PR, Soremekun, C, Shrine, N, Coley, K, Brandenburg, JT et al. (2022). Genetic insights into smoking behaviours in 10,558 men of African ancestry from continental Africa and the UK. *Sci Rep*, 12(1), 18828. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36335192>

Lin, X, Zhu, X, Zhou, W, Zhang, Z, Li, P, Dong, G et al. (2022). Connectome-based predictive modelling of smoking severity in smokers. *Addict Biol*, 27(6), e13242. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36301219>

Xu, Y, Xu, S, Wu, Q, Chen, H, Yao, D, Hu, X, & Zhang, X. (2022). Analysis of nicotine dependence among daily smokers in China: evidence from a cross-sectional study in Zhejiang Province. *BMJ Open*, 12(10), e062799. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36229149>

Baurley, JW, Bergen, AW, Ervin, CM, Park, SL, Murphy, SE, & McMahan, CS. (2022). Predicting nicotine metabolism across ancestries using genotypes. *BMC Genomics*, 23(1), 663. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36131240>

Butler, K, Le Foll, B, & Di Ciano, P. (2022). The Role of Dopamine D3 Receptors in Tobacco Use Disorder: A Synthesis of the Preclinical and Clinical Literature. *Curr Top Behav Neurosci*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36173599>

Chmielowiec, K, Chmielowiec, J, Stronska-Pluta, A, Trybek, G, Smiarowska, M, Suchanecka, A et al. (2022). Association of Polymorphism CHRNA5 and CHRNA3 Gene in People Addicted to Nicotine. *Int J Environ Res Public Health*, 19(17). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36078193>

Jang, SK, Evans, L, Fialkowski, A, Arnett, DK, Ashley-Koch, AE, Barnes, KC et al. (2022). Rare genetic variants explain missing heritability in smoking. *Nat Hum Behav*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35927319>

Chmielowiec, J, Chmielowiec, K, Stronska-Pluta, A, Suchanecka, A, Huminska-Lisowska, K, Lachowicz, M et al. (2022). Methylation in the Promoter Region of the Dopamine Transporter DAT1 Gene in People Addicted to Nicotine. *Int J Environ Res Public Health*, 19(14). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35886451>

Sey, NYA, Hu, B, Iskhakova, M, Lee, S, Sun, H, Shokrian, N et al. (2022). Correction: Chromatin architecture in addiction circuitry identifies risk genes and potential biological mechanisms underlying cigarette smoking and alcohol use traits. *Mol Psychiatry*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35794187>

Al Sharbatti, S, Shaikh, RB, Sreedharan, J, Muttappallymyalil, J, & Weizman, M. (2022). Predictors Dependence Among Adult Male Midwakh of Nicotine and Cigarette Smokers. *Sultan Qaboos Univ Med J*, 22(2), 212-217. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35673287>

Sey, NYA, Hu, B, Iskhakova, M, Lee, S, Sun, H, Shokrian, N et al. (2022). Chromatin architecture in addiction circuitry identifies risk genes and potential biological mechanisms underlying cigarette smoking and alcohol use traits. *Mol Psychiatry*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35422469>

Alsaafin, A, Chenoweth, MJ, Sylvestre, MP, O'Loughlin, J, & Tyndale, RF. (2022). Does genetic variation in a bitter taste receptor gene alter early smoking behaviours in adolescents and young adults? *Addiction*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35293057>

Dongmeng, W, Yu'e, X, Wenjing, G, Ke, Z, Jun, L, Canqing, Y et al. (2022). Heritability of tea drinking and its relationship with cigarette smoking in the Chinese male adult twins. *Addict Biol*, 27(2), e13129. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35229938>

Deshpande, HU, Fedota, JR, Castillo, J, Salmeron, BJ, Ross, TJ, & Stein, EA. (2022). Not all smokers are alike: the hidden cost of sustained attention during nicotine abstinence. *Neuropsychopharmacology*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35091674>

Chen, Z, Yu, X, Lv, D, Zhang, L, Gao, H, Wang, Y et al. (2021). Do nicotine dependence influencing and non-influencing behaviors have an association with high nicotine dependence in smokers? *Tob Induc Dis*, 19, 86. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34803566>

Duko, B, Pereira, G, Tait, RJ, Nyadanu, SD, Betts, K, & Alati, R. (2021). Prenatal Tobacco Exposure and the Risk of Tobacco Smoking and Dependence in Offspring: a Systematic Review and Meta-Analysis. *Drug Alcohol Depend*, 227, 108993. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34482031>

Schaefer, KR, Avey, JP, Todd, MR, Beans, JA, Dillard, DA, Shireman, LM et al. (2021). Nicotine metabolism and its association with CYP2A6 genotype among Indigenous people in Alaska who smoke. *Clin Transl Sci*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34520119>

Malaeb, D, Akel, M, Sacre, H, Haddad, C, Obeid, S, Hallit, S, & Salameh, P. (2021). Association between cumulative cigarette and Waterpipe smoking and symptoms of dependence in Lebanese adults. *BMC Public Health*, 21(1), 1583. Retrieved from

<https://www.ncbi.nlm.nih.gov/pubmed/34425819>

Rabinowitz, JA, Campos, AI, Ong, JS, Garcia-Marin, LM, Alcauter, S, Mitchell, BL et al. (2021). Shared Genetic Etiology between Cortical Brain Morphology and Tobacco, Alcohol, and Cannabis Use. *Cereb Cortex*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34379727>

Perez-Rubio, G, Lopez-Flores, LA, Cupertino, AP, Cartujano-Barrera, F, Reynales-Shigematsu, LM, Ramirez, M et al. (2021). Genetic Variants in Smoking-Related Genes in Two Smoking Cessation Programs: A Cross-Sectional Study. *Int J Environ Res Public Health*, 18(12). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34205269>

Bergen, AW, McMahan, CS, McGee, S, Ervin, CM, Tindle, HA, Le Marchand, L et al (2021). Multiethnic Prediction of Nicotine Biomarkers and Association With Nicotine Dependence. *Nicotine Tob Res*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34313775>

Leventhal, AM, Conti, DV, Ray, LA, Baurley, JW, Bello, MS, Cho, J et al (2021). A genetic association study of tobacco withdrawal endophenotypes in African Americans. *Exp Clin Psychopharmacol*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34279980>

Quraishi, R, Sharma, J, Jain, R, & Ambekar, A. (2021). Influence of catechol-O-methyltransferase enzyme gene polymorphism on alcohol and tobacco consumption in North Indian treatment seeking population. *Indian J Psychiatry*, 63(3), 240-244. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34211216>

El-Boraei, A, & Tyndale, RF. (2021). The Role of Pharmacogenetics in Smoking. *Clin Pharmacol Ther*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34165800>

Bray, MJ, Chen, LS, Fox, L, Ma, Y, Grucza, RA, Hartz, SM et al (2021). Studying the utility of using genetics to predict smoking-related outcomes in a population-based study and a selected cohort. *Nicotine Tob Res*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33991188>

Risner, VA, Benca-Bachman, CE, Bertin, L, Smith, AK, Kaprio, J, McGeary, JE et al(2021). Multi-polygenic Analysis of Nicotine Dependence in Individuals of European Ancestry. *Nicotine Tob Res*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34008017>

Verhulst, B, Clark, SL, Chen, J, Maes, HH, Chen, X, & Neale, MC. (2021). Clarifying the Genetic Influences on Nicotine Dependence and Quantity of Use in Cigarette Smokers. *Behavior Genetics*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33884518>

Whitton, AE, Rabinovich, NE, Lindt, JD, Pergadia, ML, Pizzagalli, DA, & Gilbert, DG. (2021). Genetic and depressive traits moderate the reward-enhancing effects of acute nicotine in young light smokers. *Nicotine Tob Res*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33844007>

Chaity, NI, Sultana, TN, Hasan, MM, Shrabonee, II, Nahid, NA, Islam, MS, & Apu, MNH. (2021). Nicotinic acetylcholine gene cluster CHRNA5-A3-B4 variants influence smoking status in a Bangladeshi population. *Pharmacol Rep*, 73(2), 574-582. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33675519>

Halberstadt, AL, Skrzynski, CJ, Wright, AGC, & Creswell, KG. (2021). Predicting smoking and nicotine dependence from the DSM-5 alternative model for personality pathology. *Personal Disord*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33705195>

Choquet, H, Yin, J, & Jorgenson, E. (2021). Cigarette smoking behaviors and the importance of ethnicity and genetic ancestry. *Transl Psychiatry*, 11(1), 120. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33633108>

Evans, LM, Jang, S, Hancock, DB, Ehringer, MA, Otto, JM, Vrieze, SI, & Keller, MC. (2021). Genetic architecture of four smoking behaviors using partitioned SNP heritability. *Addiction*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33620764>

Sanchez-Roige, S, Cox, NJ, Johnson, EO, Hancock, DB, & Davis, LK. (2021). Alcohol and cigarette smoking consumption as genetic proxies for alcohol misuse and nicotine dependence. *Drug Alcohol Depend*, 221, 108612. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33631543>

Coppens, R, Rabinovich, NE, Kanneganti, R, Diggs, HA, Wiggs, K, Healey, T et al (2021). APOE genotype influences P3b amplitude and response to smoking abstinence in young adults. *Psychopharmacology (Berl)*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33506304>

Chukwueke, CC, Kowalczyk, WJ, Gendy, M, Taylor, R, Tyndale, RF, Le Foll, B, & Heishman, SJ. (2020). The CB1R rs2023239 receptor gene variant significantly affects the reinforcing effects of nicotine, but not cue reactivity, in human smokers. *Brain Behav*, e01982. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33369277>

Lkhagvadorj, K, Zeng, Z, Meyer, KF, Verweij, LP, Kooistra, W, Reinders-Luinge, M et al (2020). Postnatal Smoke Exposure Further Increases the Hepatic Nicotine Metabolism in Prenatally Smoke Exposed Male Offspring and Is Linked with Aberrant Cyp2a5 Methylation. *Int J Mol Sci*, 22(1). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33375250>

Muderrisoglu, A, Babaoglu, E, Korkmaz, ET, Ongun, MC, Karabulut, E, Iskit, AB et al (2020). Effects of Genetic Polymorphisms of Drug Transporter ABCB1 (MDR1) and Cytochrome P450 Enzymes CYP2A6, CYP2B6 on Nicotine Addiction and Smoking Cessation. *Front Genet*, 11, 571997. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33329709>

Ruzilawati, AB, Islam, MA, Muhammed, SKS., & Ahmad, I. (2020). Smoking Genes: A Case-Control Study of Dopamine Transporter Gene (SLC6A3) and Dopamine Receptor Genes (DRD1, DRD2 and DRD3) Polymorphisms and Smoking Behaviour in a Malay Male Cohort. *Biomolecules*, 10(12). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33287325>

Martinez, S, Jones, JD, Vadhan, NP, Brandt, L, Comer, SD, & Bisaga, A. (2020). The acute and repeated effects of cigarette smoking and smoking-related cues on impulsivity. *Drug Alcohol Rev*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33140460>

Xu, K, Li, B, McGinnis, KA, Vickers-Smith, R, Dao, C, Sun, N et al (2020). Genome-wide association study of smoking trajectory and meta-analysis of smoking status in 842,000 individuals. *Nat Commun*, 11(1), 5302. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33082346>

Deutsch, AR, & Selya, AS. (2020). Dynamic change in the association of a cigarettes-per-day polygenic risk score across the numeric range of its corresponding phenotype over adolescence and

young adulthood. *Addict Behav*, 112, 106571. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32763622>

Lkhagvadorj, K, Meyer, KF, Verweij, LP, Kooistra, W, Reinders-Luinge, M, Dijkhuizen, H W et al (2020). Prenatal smoke exposure induces persistent Cyp2a5 methylation and increases nicotine metabolism in the liver of neonatal and adult male offspring. *Epigenetics*, 1-16. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32573327>

Evans, LM, Johnson, EC, Melroy-Grief, WE, Hewitt, JK, Hoeffer, CA, Keller, MC et al. (2020). The role of a priori-identified addiction and smoking gene sets in smoking behaviors. *Nicotine and Tobacco Research*. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31930296>

Wittekind, DA, Kratzsch, J, Mergl, R, Enzenbach, C, Witte, V, Villringer, A, & Kluge, M. (2019). Higher fasting ghrelin serum levels in active smokers than in former and never-smokers. *World J Biol Psychiatry*, 1-24. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31552785>

Smith, DM, O'Connor, RJ, Collins, RL, Hyland, AJ, & Kozlowski, LT. (2019). Correlates of smoker identity among intermittent and light daily young adult smokers: Findings from Wave 1 of the Population Assessment of Tobacco and Health (PATH) Study. *Addict Behav*, 98, 106034. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31301643>

Barcelona, V, Huang, Y, Brown, K, Liu, J, Zhao, W, Yu, M et al. (2019). Novel DNA methylation sites associated with cigarette smoking among African Americans. *Epigenetics*, 1-9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30915882>

Liu, M, Jiang, Y, Wedow, R, Li, Y, Brazel, DM, Chen, F et al. Association studies of up to 1.2 million individuals yield new insights into the genetic etiology of tobacco and alcohol use. *Nature Genetics*, 51(2), 237-244. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30643251>

Chen, LS, Hartz, SM, Baker, TB, Ma, Y, NLS, & Bierut, LJ. Use of polygenic risk scores of nicotine metabolism in predicting smoking behaviors. *Pharmacogenomics*, 19(18), 1383-1394. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30442082>

Han, H, Liu, Q, Yang, Z, Wang, M, Ma, Y, Cao, L et al. Association and cis-mQTL analysis of variants in serotonergic genes associated with nicotine dependence in Chinese Han smokers. *Transl Psychiatry*, 2018. 8(1), 243. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30405098>

Sung, HY, Wang, Y, Yao, T, Lightwood, J, Max, W. Polytobacco Use and Nicotine Dependence Symptoms Among US Adults, 2012-2014. *Nicotine Tob Res*. 2018 Aug 14;20(suppl\_1):S88-S98. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30125019>

Chen, A., Krebs, N. M., Zhu, J. and Muscat, J. E. Nicotine metabolite ratio predicts smoking topography: The Pennsylvania Adult Smoking Study. *Drug Alcohol Depend*. 2018 Jul 4;190:89-93. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29990649>

Ding X, Salmeron BJ, Wang J, Yang Y, Stein EA, et al. Evidence of subgroups in smokers as revealed in clinical measures and evaluated by neuroimaging data: A preliminary study. *Addict Biol*, 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29516603>

Cheng J, Shiffman S, King W, and Scholl S. Interaction between ethnicity and smoker type with dependence: A comparison of daily and intermittent african American and caucasian smokers. *Psychol Addict Behav*, 2018; 32(4):410-4. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29847978>

Wang Y, Sung HY, Yao T, Lightwood J, and Max W. Infrequent and frequent nondaily smokers and daily smokers: Their characteristics and other Tobacco use patterns. *Nicotine Tob Res*, 2017. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28186549>

Villanti AC, Johnson AL, Rath JM, Williams V, Vallone DM, et al. Identifying "social smoking" U.S. Young adults using an empirically-driven approach. *Addict Behav*, 2017; 70:83-9. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28214741>

Tili EM, Mitiushkina NV, Sukhovskaya OA, Imyanitov EN, and Hirvonen AP. The genotypes and methylation of mao genes as factors behind smoking behavior. *Pharmacogenet Genomics*, 2017; 27(11):394-401. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28858992>

Saccone NL, Emery LS, Sofer T, Gogarten SM, Becker DM, et al. Genome-wide association study of heavy smoking and daily/nondaily smoking in the hispanic community Health study / study of latinos (hchs/sol). *Nicotine Tob Res*, 2017. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28520984>

Qian DC, Molfese DL, Jin JL, Titus AJ, He Y, et al. Genome-wide imaging association study implicates functional activity and glial homeostasis of the caudate in smoking addiction. *BMC Genomics*, 2017; 18(1):740. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28927378>

Lawn W, Freeman TP, East K, Gaule A, Aston ER, et al. The acute effects of a dopamine d3 receptor preferring agonist on motivation for cigarettes in dependent and occasional cigarette smokers. *Nicotine Tob Res*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29065193>

Kawada T. Rapid nicotine metabolite ratio and successful quitting: Acceptable explanation *Nicotine & Tobacco Research*, 2017. Available from: <https://academic.oup.com/ntr/article-abstract/doi/10.1093/ntr/ntx188/4379806/Rapid-Nicotine-Metabolite-Ratio-and-Successful?redirectedFrom=fulltext>

Hancock D, Guo Y, Reginsson G, Gaddis N, Lutz S, et al. Genome-wide association study across European and african American ancestries identifies a snp in dnmt3b contributing to nicotine dependence. *Molecular Psychiatry*, 2017. Available from: <https://www.nature.com/mp/journal/vaop/ncurrent/full/mp2017193a.html>

Frandsen M, Thorpe M, Shiffman S, and Ferguson S. A clinical overview of nicotine dependence and withdrawal, in Negative affective states and cognitive impairments in nicotine dependence. Hall S YJ, Der-Avakian A, Editor San Diego: Academic Press; 2017.

Formagini TDB, Gomide HP, Perales J, and Colugnati FAB. Prevalence and correlates of light and non-daily smoking in brazil: Results from a nationwide representative survey. *Drug Alcohol Depend*, 2017; 178:15-9. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28623806>

Fix BV, O'Connor RJ, Heckman BW, Benowitz N, Cummings MK, et al. Response to "rapid nicotine ratio and successful quitting: Acceptable explanation" by the authors of "nicotine metabolite ratio (nmr) prospectively predicts smoking relapse: Longitudinal findings from ITC surveys in five countries" *Nicotine and Tobacco Research*, 2017. Available from:

<https://academic.oup.com/ntr/article-abstract/doi/10.1093/ntr/ntx213/4379809/Response-to-Rapid-Nicotine-Ratio-and-Successful?redirectedFrom=fulltext>

Chenoweth MJ, Ware JJ, Zhu AZX, Cole CB, Cox LS, et al. Genome-wide association study of a nicotine metabolism biomarker in African American smokers: Impact of chromosome 19 genetic influences. *Addiction*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28921760>

Brikmanis K, Petersen A, and Doran N. E-cigarette use, perceptions, and cigarette smoking intentions in a community sample of young adult nondaily cigarette smokers. *Psychol Addict Behav*, 2017. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28125242>

Berg MB, Lin L, White M, and Alfonso-Barry J. Attitudinal and behavioral differences between cigarette users who do and do not identify as "smokers". *J Am Coll Health*, 2017;1-8. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28362159>

Yang S, He Y, Wang J, Wang Y, Wu L, et al. Genetic scores of smoking behaviour in a Chinese population. *Sci Rep*, 2016; 6:22799. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26948517>

Yang J and Li MD. Converging findings from linkage and association analyses on susceptibility genes for smoking and other addictions. *Mol Psychiatry*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27166759>

Wang Y, Sung HY, Yao T, Lightwood J, and Max W. Factors associated with short-term transitions of nondaily smokers: Socio-demographic characteristics and other Tobacco product use. *Addiction*, 2016. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27886652>

Treur JL, Taylor AE, Ware JJ, Nivard MG, Neale MC, et al. Smoking and caffeine consumption: A genetic analysis of their association. *Addict Biol*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27027469>

Thrul J, Ferguson SG, and Buhler A. How do light and intermittent smokers differ from heavy smokers in young adulthood: The role of smoking restraint strategies. *J Psychoactive Drugs*, 2016;1-6. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27120135>

Thorgeirsson TE, Steinberg S, Reginsson GW, Bjornsdottir G, Rafnar T, et al. A rare missense mutation in chrna4 associates with smoking behavior and its consequences. *Mol Psychiatry*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26952864>

Ross KC, Gubner NR, Tyndale RF, Hawk LW, Jr., Lerman C, et al. Racial differences in the relationship between rate of nicotine metabolism and nicotine intake from cigarette smoking. *Pharmacol Biochem Behav*, 2016; 148:1-7. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27180107>

Risso DS, Kozlitina J, Sainz E, Gutierrez J, Wooding S, et al. Genetic variation in the tas2r38 bitter taste receptor and smoking behaviors. *PLoS One*, 2016; 11(10):e0164157. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27711175>

Richmond-Rakerd LS, Otto JM, Slutske WS, Ehlers CL, Wilhelmsen KC, et al. A novel Tobacco use phenotype suggests the 15q25 and 19q13 loci may be differentially associated with cigarettes per day and Tobacco-related problems. *Nicotine Tob Res*, 2016. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27663783>

Reyes-Guzman CM, Pfeiffer RM, Lubin J, Freedman ND, Cleary SD, et al. Determinants of light and intermittent smoking in the U.S.: Results from three pooled National Health surveys. *Cancer Epidemiol Biomarkers Prev*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27760782>

Prom-Wormley E, Maes HH, Eric Schmitt J, Panizzon MS, Xian H, et al. Erratum to: Genetic and environmental contributions to the relationships between brain structure and average lifetime cigarette use. *Behav Genet*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27115753>

Maddux JN and Chaudhri N. Nicotine-induced enhancement of pavlovian alcohol-seeking behavior in rats. *Psychopharmacology (Berl)*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28011981>

Krebs NM, Chen A, Zhu J, Sun D, Liao J, et al. Comparison of puff volume with cigarettes per day in predicting nicotine uptake among daily smokers. *Am J Epidemiol*, 2016; 184(1):48-57. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27313218>

Khukhunaishvili R, Tskvitinidze S, Koridze M, Nagervadze M, and Chelidze N. Smoking inclined groups according to the phenotype of the ptc gene. *Georgian Med News*, 2016; (258):59-63. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27770531>

Jensen KP, Smith AH, Herman AI, Farrer LA, Kranzler HR, et al. A protocadherin gene cluster regulatory variant is associated with nicotine withdrawal and the urge to smoke. *Mol Psychiatry*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27067016>

Goodyear K, Lee MR, Schwandt ML, Hodgkinson CA, and Leggio L. Hepatic, lipid and genetic factors associated with obesity: Crosstalk with alcohol dependence? *World J Biol Psychiatry*, 2016;1-9. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27905213>

Fogli S, Saba A, Del Re M, Pistelli F, Aquilini F, et al. Application of a pharmacokinetic/pharmacogenetic approach to assess the nicotine metabolic profile of smokers in the real-life setting. *J Pharm Biomed Anal*, 2016; 131:208-13. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27599351>

Esterlis I, Hillmer AT, Bois F, Pittman B, McGovern E, et al. Chrna4 and ankk1 polymorphisms influence smoking-induced nicotinic acetylcholine receptor upregulation. *Nicotine Tob Res*, 2016; 18(9):1845-52. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27611310>

Do EK and Maes HH. Genotype x environment interaction in smoking behaviors: A systematic review. *Nicotine Tob Res*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27613915>

Do E and Maes H. Narrative review of genes, environment, and cigarettes. *Ann Med*, 2016;1-15. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27124093>

Ware JJ and Munafo MR. Genetics of smoking behaviour. *Curr Top Behav Neurosci*, 2015; 23:19-36. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25655886>

Tanner JA, Chenoweth MJ, and Tyndale RF. Pharmacogenetics of nicotine and associated smoking behaviors. *Curr Top Behav Neurosci*, 2015; 23:37-86. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25655887>

Robertson L, Iosua E, McGee R, and Hancox RJ. Nondaily, low-rate daily, and high-rate daily smoking in young adults: A 17-year follow-up. *Nicotine Tob Res*, 2015. Available from:  
<http://www.ncbi.nlm.nih.gov/pubmed/26246050>

Reymarova E, Schlagintweit H, and Barrett S. The impact of social context on cigarette self-administration in nondependent smokers. *Behavioural Pharmacology*, 2015. Available from:  
<http://journals.lww.com/behaviouralpharm/pages/articleviewer.aspx?year=2015&issue=10000&article=00001&type=abstract>

<http://www.ncbi.nlm.nih.gov/pubmed/26086725>

Olfson E, Saccone N, Johnson E, Chen L, Culverhouse R, et al. Rare, low frequency and common coding variants in chRNA5 and their contribution to nicotine dependence in European and African Americans. *Molecular Psychiatry*, 2015. Available from:  
<http://www.nature.com/mp/journal/vaop/ncurrent/full/mp2015105a.html>

<http://www.ncbi.nlm.nih.gov/pubmed/26239294>

Na HK, Kim M, Chang SS, Kim SY, Park JY, et al. Tobacco smoking-response genes in blood and buccal cells. *Toxicol Lett*, 2015; 232(2):429-37. Available from:  
<http://www.ncbi.nlm.nih.gov/pubmed/25447457>

Jensen KP, DeVito EE, Valentine G, Gueorguieva R, and Sofuooglu M. Intravenous nicotine self-administration in smokers: Dose-response function and sex differences. *Neuropsychopharmacology*, 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26717881>

Harrell PT, Lin HY, Park JY, Blank MD, Drobis DJ, et al. Dopaminergic genetic variation moderates the effect of nicotine on cigarette reward. *Psychopharmacology (Berl)*, 2015. Available from:  
<http://www.ncbi.nlm.nih.gov/pubmed/26497691>

Chen X, Aggen SH, Chen J, Li L, Kendler KS, et al. Genetic risks to nicotine dependence predict negative mood and affect in current non-smokers. *Sci Rep*, 2015; 5:9521. Available from:  
<http://www.ncbi.nlm.nih.gov/pubmed/25826680>

Carim-Todd L, Mitchell SH, and Oken BS. Impulsivity and stress response in nondependent smokers (Tobacco chippers) in comparison to heavy smokers and nonsmokers. *Nicotine Tob Res*, 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26391579>

Pulvers K, Romero DR, Blanco L, Sakuma KL, Ahluwalia JS, et al. Light and intermittent smoking among California African American, Hispanic/Latino, and non-Hispanic white men and women. *Nicotine Tob Res*, 2014. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25335947>

Palmer RH, Brick L, Nugent NR, Bidwell LC, McGahey JE, et al. Examining the role of common genetic variants on alcohol, tobacco, cannabis, and illicit drug dependence. *Addiction*, 2014. Available from:  
<http://www.ncbi.nlm.nih.gov/pubmed/25424661>

Kvaavik E, von Soest T, and Pedersen W. Nondaily smoking: A population-based, longitudinal study of stability and predictors. *BMC Public Health*, 2014; 14:123. Available from:  
<http://www.ncbi.nlm.nih.gov/pubmed/24498864>

Khariwala SS, Scheuermann TS, Berg CJ, Hayes RB, Nollen NL, et al. Cotinine and tobacco-specific carcinogen exposure among nondaily smokers in a multiethnic sample. *Nicotine Tob Res*, 2014; 16(5):600-5. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24297808>

Kendzor DE, Businelle MS, Reitzel LR, Rios DM, Scheuermann TS, et al. Everyday discrimination is associated with nicotine dependence among african American, latino, and white smokers. *Nicotine Tob Res*, 2014; 16(6):633-40. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24302634>

Jimenez-Ruiz CA, Pascual Lledo JF, Cicero Guerrero A, Mayayo Ulibarri M, Cristobal Fernandez M, et al. Searching for phenotypes in smoking cessation treatment. *Int J Clin Pract*, 2014. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25234284>

Jamal M, Van der Does W, Elzinga BM, Molendijk ML, and Penninx BW. Association of smoking, nicotine dependence, and bdnf val66met polymorphism with bdnf concentrations in serum. *Nicotine Tob Res*, 2014. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25183693>

Isomura T, Suzuki J, and Murai T. Paradise lost: The relationships between neurological and psychological changes in nicotine-dependent patients. *Addiction Research & Theory*, 2014; 22(2):158-65. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24719610>

Haller G, Li P, Esch C, Hsu S, Goate AM, et al. Functional characterization improves associations between rare non-synonymous variants in chrb4 and smoking behavior. *PLoS One*, 2014; 9(5):e96753. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24804708>

Berg CJ, Romero DR, and Pulvers K. Perceived harm of Tobacco products and individual schemas of a smoker in relation to change in Tobacco product use over one year among young adults. *Substance Use and Misuse*, 2014. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25338288>

Haberstick B, Ehringer M, Lessem J, Hopfer C, and Hewitt J. Dizziness and the genetic influences on subjective experiences to initial cigarette use. *Addiction*, 2011; 106(2):391-9. Available from: <http://onlinelibrary.wiley.com/doi/10.1111/j.1360-0443.2010.03133.x/full>

Goodwin R, Pagura J, Spiwak R, Lemeshow A, and Sareen J. Predictors of persistent nicotine dependence among adults in the United States. *Drug and Alcohol Dependence*, 2011; 118:127–33. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3337717/>

Broms U, Kaprio J, Hublin C, Partinen M, Madden P, et al. Evening types are more often current smokers and nicotine-dependent-a study of finnish adult twins. *Addiction*, 2011; 106(1):170-7. Available from: <http://onlinelibrary.wiley.com/doi/10.1111/j.1360-0443.2010.03112.x/full>

White M, Young R, Morris CP, and Lawford B. Cigarette smoking in young adults: The influence of the htr2a t102c polymorphism and punishment sensitivity. *Drug and Alcohol Dependence*, 2010; [Epub ahead of print]. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=21035274](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=21035274)

Wang J and Li M. Common and unique biological pathways associated with smoking initiation/progression, nicotine dependence, and smoking cessation. *Neuropsychopharmacology*, 2010; 35(3):702-19. Available from: <http://www.nature.com/npp/journal/vaop/ncurrent/full/npp2009178a.html>

Tobacco and Genetics Consortium. Genome-wide meta-analyses identify multiple loci associated with smoking behavior. *Nature Genetics*, 2010; 42(5):441–7. Available from: <http://www.nature.com/ng/journal/v42/n5/full/ng.571.html>

Schane R, Ling P, and Glantz S. Health effects of light and intermittent smoking: A review. *Circulation*, 2010; 121(13):1518–22. Available from: <http://circ.ahajournals.org/cgi/content/full/121/13/1518>

Saccone N, Schwantes-An T, Wang J, Grucza R, Breslau N, et al. Multiple cholinergic nicotinic receptor genes affect nicotine dependence risk in african and European americans. *Genes, Brain, and Behavior*, 2010; 9(7):741-50. Available from: <http://www3.interscience.wiley.com/user/accessdenied?ID=123551575&Act=2138&Code=4719&Page=/cgi-bin/fulltext/123551575/PDFSTART>

Reid JL, Hammond D, Boudreau C, Fong GT, and Siahpush M. Socioeconomic disparities in quit intentions, quit attempts, and smoking abstinence among smokers in four western countries: Findings from the International Tobacco Control four country Survey. *Nicotine and Tobacco Research*, 2010; 12 (suppl.):S20-33. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/20889477>

Pergadia M, Agrawal A, Heath A, Martin N, Bucholz KK, et al. Nicotine withdrawal symptoms in adolescent and adult twins. *Twin Research and Human Genetics*, 2010; 13(4):359–69. Available from: <http://www.atypon-link.com/AAP/doi/pdf/10.1375/twin.13.4.359?cookieSet=1>

Myers U, Hutchison K, and Filbey F. Large variability in smokers obscure the gxe effects on tobacco dependence. *Psychiatry Research*, 2010; 177(3):369-70. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=20381163](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=20381163)

Munafo M, Freathy R, Ring S, St Pourcain B, and Davey Smith G. Association of comt val108/158met genotype and cigarette smoking in pregnant women. *Nicotine and Tobacco Research*, 2010; [Epub ahead of print]. Available from:

<http://ntr.oxfordjournals.org/content/early/2010/11/24/ntr.ntq209.full>

Marteau T, Munafo M, Aveyard P, Hill C, Whitwell S, et al. Trial protocol: Using genotype to tailor prescribing of nicotine replacement therapy: A randomised controlled trial assessing impact of communication upon adherence. *BMC Public Health*, 2010; 10:680. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996370/?tool=pubmed>

MacKillop J, Obasi EM, Amlung MT, McGahey JE, and Knopik VS. The role of genetics in nicotine dependence: Mapping the pathways from genome to syndrome *Current Cardiovascular Risk Reports*, 2010; 4(6):446–53. Available from: <http://www.springerlink.com/content/91r7u75r65276201/fulltext.html>

Liu J, Tozzi F, Waterworth D, Pillai S, Muglia P, et al. Meta-analysis and imputation refines the association of 15q25 with smoking quantity. *Nature Genetics*, 2010; 42(5):436-40. Available from: <http://www.nature.com/ng/journal/v42/n5/full/ng.572.html>

Lind P, Macgregor S, Vink J, Pergadia M, Hansell N, et al. A genomewide association study of nicotine and alcohol dependence in Australian and Dutch populations. *Twin Research and Human Genetics*, 2010; 13(1):10–29. Available from: <http://www.atypon-link.com/AAP/doi/pdf/10.1375/twin.13.1.10?cookieSet=1>

Iordanidou M, Tavridou A, Petridis I, Kyroglou S, Kaklamani L, et al. Association of polymorphisms of the serotonergic system with smoking initiation in caucasians. *Drug and Alcohol Dependence*, 2010; 108(1-2):70-6. Available from:  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=20060656](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=20060656)

Hong L, Hodgkinson C, Yang Y, Sampath H, Ross T, et al. A genetically modulated, intrinsic cingulate circuit supports human nicotine addiction. *Proceedings of the National Academy of Sciences of the United States of America*, 2010; 107(30):13509-14. Available from:  
<http://www.pnas.org/content/107/30/13509.long>

Han S, Gelernter J, Luo X, and Yang B. Meta-analysis of 15 genome-wide linkage scans of smoking behavior. *Biological Psychiatry*, 2010; 67(1):12-9. Available from:  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19819424](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19819424)

Grucza R, Johnson E, Krueger R, Breslau N, Saccone N, et al. Incorporating age at onset of smoking into genetic models for nicotine dependence: Evidence for interaction with multiple genes. *Addiction Biology*, 2010; 15(3):346-57. Available from:  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1369-1600.2010.00220.x/full>

Gizer I, Ehlers C, Vieten C, Seaton-Smith K, Feiler H, et al. Linkage scan of nicotine dependence in the university of California, San Francisco (ucsf) family alcoholism study. *Psychological Medicine*, 2010:1-10. Available from:  
<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=7828760>

Furberg H, Ostroff J, Lerman C, and Sullivan P. The public health utility of genome-wide association study results for smoking behavior. *Genome Medicine*, 2010; 2(4):26. Available from:  
<http://www.genomemedicine.com/content/2/4/26>

Furberg H, Kim Y, Dackor J, Boerwinkle E, Franceschini N, et al. Genome-wide meta-analyses identify multiple loci associated with smoking behavior. *Nature Genetics*, 2010; 42(5):441-7. Available from:  
<http://www.nature.com/ng/journal/v42/n5/full/ng.571.html>

Etter J. Smoking and cloninger's temperament and character inventory. *Nicotine and Tobacco Research*, 2010; 12(9):919-26. Available from: <http://ntr.oxfordjournals.org/content/12/9/919.long>

Edwards A, Maes H, Pedersen N, and Kendler K. A population-based twin study of the genetic and environmental relationship of major depression, regular tobacco use and nicotine dependence. *Psychological Medicine*, 2010; 41(2):395-405. Available from:  
<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=7590408>

De Ruyck K, Nackaerts K, Beels L, Werbrouck J, De Volder A, et al. Genetic variation in three candidate genes and nicotine dependence, withdrawal and smoking cessation in hospitalized patients. *Pharmacogenomics*, 2010; 11(8):1053-63. Available from:  
<http://www.futuremedicine.com/doi/full/10.2217/pgs.10.75>

Cooper T, Taylor T, Murray A, Debon M, Vander Weg M, et al. Differences between intermittent and light daily smokers in a population of U.S. Military recruits. *Nicotine and Tobacco Research*, 2010; 12(5):465-7. Available from:  
[http://works.bepress.com/cgi/viewcontent.cgi?article=1020&context=theodore\\_v\\_cooper](http://works.bepress.com/cgi/viewcontent.cgi?article=1020&context=theodore_v_cooper)

Billieux J, Gay P, Rochat L, Khazaal Y, Zullino D, et al. Lack of inhibitory control predicts cigarette smoking dependence: Evidence from a non-deprived sample of light to moderate smokers. *Drug and Alcohol Dependence*, 2010; 112(1-2):164-7. Available from:

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=20667667](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=20667667)

Bierut L. Convergence of genetic findings for nicotine dependence and smoking related diseases with chromosome 15q24-25. *Trends in Pharmacological Sciences*, 2010; 31(1):46-51. Available from:

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19896728](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19896728)

Amos C, Spitz M, and Cinciripini P. Chipping away at the genetics of smoking behavior. *Nature Genetics*, 2010; 42(5):366-8. Available from:

<http://www.nature.com/ng/journal/v42/n5/full/ng0510-366.html>

Agrawal A, Silberg J, Lynskey M, Maes H, and Eaves L. Mechanisms underlying the lifetime co-occurrence of tobacco and cannabis use in adolescent and young adult twins. *Drug and Alcohol Dependence*, 2010; 108(1-2):49-55. Available from:

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=20047801](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=20047801)

Zuo Y, Gilbert D, Rabinovich N, Riise H, Needham R, et al. Drd2-related taqia polymorphism modulates motivation to smoke. *Nicotine and Tobacco Research*, 2009; 11(11):1321-9. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/11/11/1321>

White H, Bray B, Fleming C, and Catalano R. Transitions into and out of light and intermittent smoking during emerging adulthood. *Nicotine and Tobacco Research*, 2009; 11(2):211-9. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/ntn017v1>

Wang J, Cruchaga C, Saccone N, Bertelsen S, Liu P, et al. Risk for nicotine dependence and lung cancer is conferred by mrna expression levels and amino acid change in chrna5. *Human Molecular Genetics*, 2009; 18(16):3125-35. Available from:

<http://hmg.oxfordjournals.org/cgi/reprint/ddp231v1>

Vink J, Smit A, de Geus E, Sullivan P, Willemsen G, et al. Genome-wide association study of smoking initiation and current smoking. *American Journal of Human Genetics*, 2009; 84(3):367-79. Available from: <http://www.cell.com/AJHG/retrieve/pii/S0002929709000627>

Trinidad D, Perez-Stable E, Emery S, White M, Grana R, et al. Intermittent and light daily smoking across racial/ethnic groups in the United States. *Nicotine and Tobacco Research*, 2009; 11(2):203-10. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/ntn018v1>

Tong E, Nguyen T, Vittinghoff E, and Perez-Stable E. Light and intermittent smoking among california's asian americans. *Nicotine and Tobacco Research*, 2009; 11(2):197-202. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/ntp013v1>

Thomas P, Mi H, Swan G, Lerman C, Benowitz N, et al. A systems biology network model for genetic association studies of nicotine addiction and treatment. *Pharmacogenetics and Genomics*, 2009; 19(7):539-51. Available from: <http://www.refdoc.fr/Detailnotice?cpsidt=21754575&traduire=en>

Sturney S. Nicotine clearance: Genetic and environmental influences. Thorax, 2009; 64(3):267. Available from: <http://thorax.bmjjournals.org/cgi/content/full/64/3/267>

Shiffman S. Light and intermittent smokers: Background and perspective. Nicotine and Tobacco Research, 2009; 11(2):122-5. Available from:  
<http://ntr.oxfordjournals.org/cgi/content/full/ntn020v1>

Schane RE, Glantz SA, and Ling PM. Social smoking: Implications for public health, clinical practice, and intervention research American Journal of Preventive Medicine, 2009; 37(2):124-31. Available from:  
[http://www.ncbi.nlm.nih.gov/pubmed/19589449?ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_RVBrief](http://www.ncbi.nlm.nih.gov/pubmed/19589449?ordinalpos=8&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVBrief)

Schane R, Glantz S, and Ling P. Nondaily and social smoking: An increasingly prevalent pattern. Archives of Internal Medicine, 2009; 169(19):1742–4. Available from: <http://archinte.ama-assn.org/cgi/content/full/169/19/1742>

Savageau J, Mowery P, and DiFranza J. Symptoms of diminished autonomy over cigarettes with non-daily use. International Journal of Environmental Research and Public Health, 2009; 6(1):25–35. Available from: <http://www.mdpi.com/1660-4601/6/1/25>

Ray R, Tyndale R, and Lerman C. Nicotine dependence pharmacogenetics: Role of genetic variation in nicotine-metabolizing enzymes. Journal of Neurogenetics, 2009; 23(3):252-61. Available from: <http://www.informaworld.com/smpp/content~db=all?content=10.1080/01677060802572887>

Pogun S and Yarbaras G. Sex differences in nicotine action. Handbook of Experimental Pharmacology, 2009; (192):261–91. Available from:  
<http://www.springerlink.com/content/t0225g4401340427/>

Philibert R, Todorov A, Andersen A, Hollenbeck N, Gunter T, et al. Examination of the nicotine dependence (nicsnp) consortium findings in the Iowa adoption studies population. Nicotine and Tobacco Research, 2009; 11(3):286–92. Available from:  
<http://ntr.oxfordjournals.org/cgi/content/full/ntn034v1>

Perkins K, Lerman C, Mercincavage M, Fonte C, and Briski J. Nicotinic acetylcholine receptor beta2 subunit (chrnb2) gene and short-term ability to quit smoking in response to nicotine patch. Cancer Epidemiology, Biomarkers & Prevention, 2009; 18(10):2608–12. Available from:  
<http://cebp.aacrjournals.org/content/18/10/2608.long>

Nguyen Q and Zhu S. Intermittent smokers who used to smoke daily: A preliminary study on smoking situations. Nicotine and Tobacco Research, 2009; on-line. Available from:  
<http://ntr.oxfordjournals.org/cgi/content/full/ntp012v1>

Mwenifumbo JC and Tyndale RF. Molecular genetics of nicotine metabolism Handbook of Experimental Pharmacology, 2009; 192:235–59. Available from:  
<https://commerce.metapress.com/content/wg7051n03100275h/resource-secured/?target=fulltext.pdf&sid=yin0uz3ekubhky55r3xoop45&sh=www.springerlink.com>

Munafo MR. The clinical utility of genetic tests. Addiction, 2009; 104(1):127-8. Available from:  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19133897](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19133897)

Munafo MR. Reliability and replicability of genetic association studies. *Addiction*, 2009; 104(9):1439-40. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/19686515>

Levy D, Biener L, and Rigotti N. The natural history of light smokers: A population-based cohort study. *Nicotine and Tobacco Research*, 2009; 11(2):156–63. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/11/2/156>

Kaprio J. Commentary on chen et al. (2009): Gene-environment interactions in nicotine dependence. *Addiction*, 2009; 104(10):1741–2. Available from: <http://www3.interscience.wiley.com/cgi-bin/fulltext/122592542/HTMLSTART>

Kaprio J. Genetic epidemiology of smoking behavior and nicotine dependence. *COPD*, 2009; 6(4):304–6. Available from: <http://www.informaworld.com/smpp/ftinterface~db=all~content=a913560053~fulltext=713240928>

Hukkinen M, Kaprio J, Broms U, Koskenvuo M, and Korhonen T. Characteristics and consistency of light smoking: Long-term follow-up among finnish adults *Nicotine and Tobacco Research*, 2009; 11(7):797-805. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/ntp065v1>

Hiroi N and Scott D. Constitutional mechanisms of vulnerability and resilience to nicotine dependence. *Molecular Psychiatry*, 2009; 14:653-67. Available from: <http://www.nature.com/mp/journal/vaop/nccurrent/full/mp200916a.html>

Harris K, Golbeck A, Cronk N, Conway K, Williams K, et al. Timeline follow-back versus global self-reports of tobacco smoking: A comparison of findings with nondaily smokers. *Psychology of Addictive Behaviors*, 2009; 23(2):368–72. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19586155](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19586155)

Freathy R, Ring S, Shields B, Galobardes B, Knight B, et al. A common genetic variant in the 15q24 nicotinic acetylcholine receptor gene cluster (chrna5-chrna3-chrb4) is associated with a reduced ability of women to quit smoking in pregnancy. *Human Molecular Genetics*, 2009; 18(15):2922-7. Available from: <http://hmg.oxfordjournals.org/cgi/reprint/ddp216v1>

Fagan P and Rigotti N. Light and intermittent smoking: The road less traveled. *Nicotine and Tobacco Research*, 2009; 11(2):107–10. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/11/2/107>

DiFranza J. Tobacco dependence in light smokers. *Nicotine and Tobacco Research*, 2009; 11(9):1122–3. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/11/9/1122>

Davies G and Soundy T. The genetics of smoking and nicotine addiction. *South Dakota Medicine*, 2009:43–9. Available from: [http://www.researchgate.net/publication/24275191\\_The\\_genetics\\_of\\_smoking\\_and\\_nicotine\\_addiction](http://www.researchgate.net/publication/24275191_The_genetics_of_smoking_and_nicotine_addiction)

Coggins CR, Murrelle EL, Carchman RA, and Heidbreder C. Light and intermittent cigarette smokers: A review (1989-2009). *Psychopharmacology*, 2009; 207(3):343-63. Available from: <http://www.springerlink.com/content/r41261h741480767/>

Carroll M, Anker J, and Perry J. Modeling risk factors for nicotine and other drug abuse in the preclinical laboratory. *Drug and Alcohol Dependence*, 2009; 104(suppl. 1):S70–S8. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19136222](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19136222)

Businelle M, Kendzor D, Costello T, Cofta-Woerpel L, Li Y, et al. Light versus heavy smoking among African American men and women. *Addictive Behaviors*, 2009; 34(2):197-203. Available from: [http://www.ncbi.nlm.nih.gov/pubmed/18976867?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_RVBrief](http://www.ncbi.nlm.nih.gov/pubmed/18976867?ordinalpos=3&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVBrief)

Brody A, Olmstead R, Abrams A, Costello M, Khan A, et al. Effect of a history of major depressive disorder on smoking-induced dopamine release. *Biological Psychiatry*, 2009; 66(9):898-901. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19640507](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19640507)

Boardman J. State-level moderation of genetic tendencies to smoke *American Journal of Public Health*, 2009; 90:480–6. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/19150910>

Bierut L. Nicotine dependence and genetic variation in the nicotinic receptors. *Drug and Alcohol Dependence*, 2009; 104(suppl. 1):s64-s9. Available from: <http://www.sciencedirect.com/science/journal/03768716>

Bergen A, Conti D, Van Den Berg D, Lee W, Liu J, et al. Dopamine genes and nicotine dependence in treatment-seeking and community smokers. *Neuropsychopharmacology*, 2009; 34(10):2252-64. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=19494806](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=19494806)

Baker T, Weiss R, Bolt D, von Niederhausern A, Fiore M, et al. Human neuronal acetylcholine receptor a5-a3-b4 haplotypes are associated with multiple nicotine dependence phenotypes. *Nicotine and Tobacco Research*, 2009; 11(7):785-96. Available from: <http://ntr.oxfordjournals.org/cgi/content/full/ntp064v1?maxtoshow=&HITS=10&hits=10&RESULTFRMAT=&fulltext=Increasing+smoking+cessation+care+provision+in+hospitals%3A+A+meta-analyHuman+neuronal+acetylcholine+receptor+A5-A3-B4+haplotypes+are+associated+with+multiple+nicotine+dependence+phenotypes&searchid=1&FIRSTINDEX=0&resourcetype=HWLCIT>

Uhl GR, Liu Q-R, Drgn T, Johnson C, Walther D, et al. Molecular genetics of successful smoking cessation: Convergent genome-wide association study results. *Archives of General Psychiatry*, 2008; 65(6):683–93. Available from: <http://archpsyc.ama-assn.org/cgi/content/abstract/65/6/683>

Thorgeirsson T and Stefansson K. Genetics of smoking behavior and its consequences: The role of nicotinic acetylcholine receptors *Biological Psychiatry*, 2008; 64(11):919–21. Available from: [http://linkinghub.elsevier.com/retrieve/pii/S0006-3223\(08\)01102-5](http://linkinghub.elsevier.com/retrieve/pii/S0006-3223(08)01102-5)

Stevens V, Bierut L, Talbot J, Wang J, Sun J, et al. Nicotinic receptor gene variants influence susceptibility to heavy smoking. *Cancer Epidemiology, Biomarkers and Prevention*, 2008; 17(3517). Available from: <http://cebp.aacrjournals.org/cgi/content/full/17/12/3517>

Sihvola E, Rose R, Dick D, Pulkkinen L, Marttunen M, et al. Early-onset depressive disorders predict the use of addictive substances in adolescence: A prospective study of adolescent finnish twins. *Addiction*, 2008; 103(12):2045-53. Available from: <http://www.unboundmedicine.com/medline/ebm/research/Smoking>

Saccone S, Saccone N, Swan G, Madden P, Goate A, et al. Systematic biological prioritization after a genome-wide association study: An application to nicotine dependence. *Bioinformatics*, 2008; on line. Available from: <http://bioinformatics.oxfordjournals.org/cgi/reprint/btn315v1>

Richard AG, Jen CW, Jerry AS, Anthony LH, Scott FS, et al. A risk allele for nicotine dependence in chRNA5 is a protective allele for cocaine dependence. *Biological Psychiatry*, 2008; 64(11):922-9. Available from: <http://linkinghub.elsevier.com/retrieve/pii/S000632230800471X>

Ming DL, Xiang-Yang L, Guobo C, Jennie ZM, and Robert CE. Gene-gene interactions among chRNA4, chRNb2, bdnf, and ntrk2 in nicotine dependence. *Biological Psychiatry*, 2008; 64(11):951-7. Available from: <http://linkinghub.elsevier.com/retrieve/pii/S0006322308005040>

McClernon FJ, Fuemmeler BF, Kollins SH, Kail ME, and Ashley-Koch AE. Interactions between genotype and retrospective adhd symptoms predict lifetime smoking risk in a sample of young adults. *Nicotine and Tobacco Research*, 2008; 10(1):117-27. Available from: <http://www.informaworld.com/10.1080/14622200701704913>

Martínez-Ortega J, Jurado D, and Gurpegui M. Nicotine dependence vs. Daily smoking as a meaningful variable: Implications for clinical and epidemiological psychiatric studies. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 2008; 32(8):1972-7. Available from: <http://www.sciencedirect.com/science/journal/02785846>

Luo Z, Alvarado GF, Hatsukami DK, Johnson EO, Bierut LJ, et al. Race differences in nicotine dependence in the collaborative genetic study of nicotine dependence (cogend). *Nicotine and Tobacco Research*, 2008; 10(7):1223-30. Available from: <http://www.informaworld.com/smpp/content~content=a794985769~db=all~order=page>

Li C, Mao X, and Wei L. Genes and (common) pathways underlying drug addiction. *PLoS Computational Biology*, 2008; 4(1):e2. Available from: [http://compbiol.plosjournals.org/archive/1553-7358/4/1/pdf/10.1371\\_journal.pcbi.0040002-L.pdf](http://compbiol.plosjournals.org/archive/1553-7358/4/1/pdf/10.1371_journal.pcbi.0040002-L.pdf)

Gartner CE, Barendregt JJ, and Hall WD. Multiple genetic tests for susceptibility to smoking do not outperform simple family history. *Addiction*, 2008; 104(1):118-26. Available from: <http://www3.interscience.wiley.com/cgi-bin/fulltext/121567006/HTMLSTART>

David S and Munafò M. Genetic variation in the dopamine pathway and smoking cessation. *Pharmacogenomics*, 2008; 9(9):1307-21. Available from: <http://www.futuremedicine.com/doi/full/10.2217/14622416.9.9.1307?cookieSet=1>

Chen X, Williamson V, An S, Hettema J, Aggen S, et al. Cannabinoid receptor 1 gene association with nicotine dependence. *Archives of General Psychiatry*, 2008; 65(7):816-24. Available from: <http://archpsyc.ama-assn.org/cgi/content/full/65/7/816>

Buckland PR. Will we ever find the genes for addiction? *Addiction*, 2008; 103(11):1768-76. Available from: <http://www3.interscience.wiley.com/journal/121378762/abstract>

Blum A. Smoking and genomics. *Family Practice News*, 2008; 38(16):7. Available from: <http://www.familypracticenews.com/article/PIIS0300707308710338/fulltext>

Bierut L, Stitzel J, Wang J, Hinrichs A, Grucza R, et al. Variants in nicotinic receptors and risk for nicotine dependence. *American Journal of Psychiatry*, 2008; 165(9):1163–71. Available from: <http://ajp.psychiatryonline.org/cgi/content/full/165/9/1163>

Stapleton JA, Sutherland G, and O' Gara C. Association between dopamine transporter genotypes and smoking cessation: A meta-analysis. *Addiction Biology*, 2007; 12(2):221–6. Available from: <http://www3.interscience.wiley.com/journal/118498425/abstract>

Pomerleau O, Burmeister M, Madden P, Long J, Swan G, et al. Genetic research on complex behaviors: An examination of attempts to identify genes for smoking. *Nicotine and Tobacco Research*, 2007; 9(8):883–901. Available from: <http://www.informaworld.com/smpp/content~db=all?content=10.1080/14622200701485125>

Peretti-Watel P, Constance J, Guilbert P, Gautier A, Beck F, et al. Smoking too few cigarettes to be at risk? Smokers' perceptions of risk and risk denial, a French survey. *Tobacco Control*, 2007; 16(5):351–6. Available from: <http://tobaccocontrol.bmjjournals.org/cgi/content/abstract/16/5/351>

Lawrence D, Fagan P, Backinger C, Gibson J, and Hartman A. Cigarette smoking patterns among young adults aged 18-24 years in the United States. *Nicotine & Tobacco Research*, 2007; 9:687–97. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1935333/>

Hall WD, Gartner CE, and Carter A. The genetics of nicotine addiction liability: Ethical and social policy implications. *Addiction*, 2007; 103(3):350–9. Available from: <http://www3.interscience.wiley.com/journal/119411899/abstract>

Hall WD. A research agenda for assessing the potential contribution of genomic medicine to tobacco control. *Tobacco Control*, 2007; 16(1):53–8. Available from: <http://tobaccocontrol.bmjjournals.org/cgi/content/abstract/16/1/53>

Haberstick B, Timberlake D, Ehringer M, Lessem J, Hopfer C, et al. Genes, time to first cigarette and nicotine dependence in a general population sample of young adults. *Addiction*, 2007; 102(4):655–65. Available from: <http://www3.interscience.wiley.com/journal/117967865/abstract?CRETRY=1&SRETRY=0>

Gehricke J, Loughlin S, Whalen C, Potkin S, Fallon J, et al. Smoking to self-medicate attentional and emotional dysfunctions. *Nicotine and Tobacco Research*, 2007; 9(suppl. 4 ):S523–36. Available from: <http://www.informaworld.com/smpp/content~db=all?content=10.1080/14622200701685039>

Siahpush M, McNeill A, Borland R, and Fong GT. Socioeconomic variations in nicotine dependence, self-efficacy, and intention to quit across four countries: Findings from the International Tobacco Control (ITC) four country Survey. *Tobacco Control*, 2006; 15(suppl. 3):iii71-5. Available from: [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=16754950](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=16754950)

Shiffman S and Paty J. Smoking patterns and dependence: Contrasting chippers and heavy smokers. *Journal of Abnormal Psychology*, 2006; 115(3):509-23. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1686659/>

Minematsu N, Nakamura H, Furuuchi M, Nakajima T, Takahashi S, et al. Limitation of cigarette consumption by cyp2a6\*4, \*7 and \*9 polymorphisms. European Respiratory Journal, 2006; 27(2):289-92.

Hu M, Davies M, and Kandel D. Epidemiology and correlates of daily smoking and nicotine dependence among young adults in the United States. American Journal of Public Health, 2006; 96:299–308. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1470478/>

Clayton RR. The Tobacco research network on disparities (trend). Journal of Epidemiology and Community Health, 2006; 60(suppl. 2):S3-S4. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/17708003>

Benowitz NL, Swan GE, Jacob P, Lessov-Schlaggar CN, and Tyndale RF. *Cyp2a6* genotype and the metabolism and disposition kinetics of nicotine. Clinical Pharmacology and Therapeutics, 2006; 80(5):457-67. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/17112802>

Vink J, Willemsen G, and Boomsma D. Heritability of smoking initiation and nicotine dependence. Behavior Genetics, 2005; 35(4):397-406. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/15971021>

Malaiyandi V, Sellers EM, and Tyndale RF. Implications of cyp2a6 genetic variation for smoking behaviors and nicotine dependence. Clin Pharmacol Ther, 2005; 77(3):145–58. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/15735609>

Kollins S, McClernon F, and Fuemmeler B. Association between smoking and attention-deficit/hyperactivity disorder symptoms in a population-based sample of young adults. Archives of General Psychiatry, 2005; 62:1142–7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/16203959>

O'Loughlin J, Paradis G, Kim W, DiFranza J, Meshefedjian G, et al. Genetically decreased cyp2a6 and the risk of tobacco dependence: A prospective study of novice smokers. Tobacco Control, 2004; 13(4):422–8. Available from: <http://tc.bmjjournals.com/cgi/content/abstract/13/4/422>

Munafo M, Clark T, Johnstone E, Murphy M, and Walton R. The genetic basis for smoking behavior: A systematic review and meta-analysis. Nicotine and Tobacco Research, 2004; 6(4):583–97. Available from:

<http://www.informaworld.com/smpp/content~db=all?content=10.1080/14622200410001734030>

Maes H, Sullivan P, Bulik C, Neale M, Prescott C, et al. A twin study of genetic and environmental influences on tobacco initiation, regular tobacco use and nicotine dependence. Psychological Medicine, 2004; 34(7):1251-61. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/15697051>

Worsnop C. Smoking: Not for anyone. Chest, 2003; 123(5):1338-40. Available from: <http://www.chestjournal.org/cgi/reprint/123/5/1338.pdf>

White V, Hill D, Siahpush M, and Bobevski I. How has the prevalence of cigarette smoking changed among Australian adults? Trends in smoking prevalence between 1980 and 2001. Tobacco Control, 2003; 12(suppl. 2):ii67-74. Available from:

[http://tobaccocontrol.bmjjournals.com/cgi/content/full/12/suppl\\_2/ii67](http://tobaccocontrol.bmjjournals.com/cgi/content/full/12/suppl_2/ii67)

Siahpush M. Socioeconomic status and tobacco expenditure among Australian households; results from the 1998-99 household expenditure Survey. *Journal of Epidemiology and Community Health*, 2003; 57(10):798–801. Available from: <http://jech.bmjjournals.org/cgi/content/abstract/57/10/798>

Li M, Cheng R, Ma J, and Swan G. A meta-analysis of estimated genetic and environmental effects on smoking behavior in male and female adult twins. *Addiction*, 2003; 98(1):23–31. Available from: <http://www3.interscience.wiley.com/journal/118891011/abstract?CRETRY=1&SRETRY=0>

Lerman C and Berrettini W. Elucidating the role of genetic factors in smoking behaviour and nicotine dependence. *American Journal of Medical Genetics Part B (Neuropsychiatric Genetics)*, 2003; 118B(1):48-54. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/12627466>

Batra V, Patkar AA, Berrettini WH, Weinstein SP, and Leone FT. The genetic determinants of smoking. *Chest*, 2003; 123(5):1730-9. Available from: <http://www.chestjournal.org/cgi/content/abstract/123/5/1730>

Presson C, Chassin L, and Sherman S. Psychosocial antecedents of tobacco chipping. *Health Psychology*, 2002; 21(4):384-92. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/12090681>

Hall W, Madden P, and Lynskey M. The genetics of tobacco use: Methods, findings and policy implications. *Tobacco Control*, 2002; 11(2):119-24. Available from: <http://tobaccocontrol.bmjjournals.org/cgi/reprint/11/2/119.pdf>

Sayette MA, Martin CS, Wertz JM, Shiffman S, and Perrott MA. A multi-dimensional analysis of cue-elicited craving in heavy smokers and tobacco chippers. *Addiction*, 2001; 96(10):1419–32. Available from: <http://www.mrw.interscience.wiley.com/cochrane/clcentral/articles/261/CN-00364261/frame.html>

Cheng LS-C, Swan GE, and Carmelli D. A genetic analysis of smoking behavior in family members of older adult males. *Addiction*, 2000; 95(3):427–35. Available from: <http://www3.interscience.wiley.com/journal/120190773/abstract>

Bobak M, Jarvis MJ, Skodova Z, and Marmot M. Smoke intake among smokers is higher in lower socioeconomic groups. *Tobacco Control*, 2000; 9(3):310-2. Available from: <http://tobaccocontrol.bmjjournals.org/cgi/reprint/9/3/310.pdf>

True WR, Xian H, Scherrer JF, Madden PA, Bucholz KK, et al. Common genetic vulnerability for nicotine and alcohol dependence in men. *Archives of General Psychiatry*, 1999; 56(7):655–61. Available from: <http://archpsyc.ama-assn.org/cgi/content/full/56/7/655>

Sullivan P and Kendler K. The genetic epidemiology of smoking. *Nicotine and Tobacco Research*, 1999; 1(2):S51-7. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/11768187>

Sabol SZ, Nelson ML, Fisher C, Gunzerath L, Brody CL, et al. A genetic association for cigarette smoking behavior. *Health Psychology*, 1999; 18(1):7–13. Available from: <http://psycnet.apa.org/index.cfm?fa=search.displayRecord&uid=1998-03081-002>

Pomerleau OF and Kardia SLR. Introduction to the featured section: Genetic research on smoking. *Health Psychology*, 1999; 18(1):3–6. Available from: <http://psycnet.apa.org/index.cfm?fa=search.displayRecord&uid=1998-03081-001>

Lerman C, Caporaso NE, Audrain J, Main D, Bowman ED, et al. Evidence suggesting the role of specific genetic factors in cigarette smoking. *Health Psychology*, 1999; 18(1):14–20. Available from: <http://psycnet.apa.org/index.cfm?fa=main.landing>

Kendler K, Neale M, Sullivan P, Corey L, Gardner C, et al. A population-based twin study in women of smoking initiation and nicotine dependence. *Psychological Medicine*, 1999; 29(2):299–308. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/10218922>

Gynther LM, Hewitt JK, Heath AC, and Eaves LJ. Phenotypic and genetic factors in motives for smoking. *Behavior Genetics*, 1999; 29(5):291–302. Available from: <http://www.ingentaconnect.com/content/klu/bege/1999/00000029/00000005/00411341;jsessionid=gae42gl0mn0g7.alice?format=print&crawler=true>

Pianezza ML, Sellers EM, and Tyndale RF. Nicotine metabolism defect reduces smoking. *Nature*, 1998; 393(6687):750. Available from: <http://www.nature.com/nature/journal/v393/n6687/abs/393750a0.html>

Lerman C, Main D, Audrain J, Caporaso N, Boyd N, et al. Depression and self-medication with nicotine: The modifying influence of the dopamine d4 receptor gene. *Health Psychology*, 1998; 17(1):56–62. Available from: <http://psycnet.apa.org/index.cfm?fa=search.displayRecord&uid=1997-42831-007>

Owen N, Kent P, Wakefield M, and Roberts L. Low rate smokers. *Preventive Medicine*, 1995; 24(1):80–4. Available from: [http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6WPG-45R8B0M-3K&\\_user=10&\\_rdoc=1&\\_fmt=&\\_orig=search&\\_sort=d&view=c&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&md5=fba8f7a1c99de1ea9d13467a4bc13f96](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WPG-45R8B0M-3K&_user=10&_rdoc=1&_fmt=&_orig=search&_sort=d&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=fba8f7a1c99de1ea9d13467a4bc13f96)

Marsh A and McKay S, *Poor smokers*. London: Policy Studies Institute; 1994.

Lopez A, Collishaw N, and Piha T. A descriptive model of the cigarette epidemic in developed countries. *Tobacco Control*, 1994; 3(4):242-7. Available from: <http://tobaccocontrol.bmjjournals.org/content/3/4.toc>

Pomerleau O, Collins A, Shiffman S, and Pomerleau C. Why some people smoke and others do not: New perspectives. *Journal of Consulting and Clinical Psychology*, 1993; 61(5):723–31. Available from: <http://psycnet.apa.org/index.cfm?fa=main.landing>

Shiffman S, Fischer L, Zettler-Segal M, and Benowitz N. Nicotine exposure among nondependent smokers. *Archives of General Psychiatry*, 1990; 47(4):333–6. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/2322084>

Shiffman S. Tobacco 'chippers' - individual differences in tobacco dependence. *Psychopharmacology*, 1989; 97(4):539–47. Available from: <http://www.springerlink.com/content/xh283812kq2gw060/>

Zinberg N and Jacobsen R. The natural history of 'chipping'. *American Journal of Psychiatry*, 1976; 133(1):37-40. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/1247121>

## News reports:

Dreifus C. What did neanderthals leave to modern humans? Some surprises. The New York Times, 2017. Available from: [https://www.nytimes.com/2017/01/20/science/john-anthony-capra-neanderthals-dna-humans.html?emc=edit\\_tnt\\_20170120&nlid=60534081&tntemail0=y&r=2](https://www.nytimes.com/2017/01/20/science/john-anthony-capra-neanderthals-dna-humans.html?emc=edit_tnt_20170120&nlid=60534081&tntemail0=y&r=2)

Gabbatiss J. Propensity for smoking linked to molecules in specific brain regions, say scientists. The Independent, 2017. Available from: <http://www.independent.co.uk/news/science/smoking-brain-molecules-propensity-tobacco-nicotine-cigarettes-addiction-a8091301.html>

No authors listed. Researchers identify gene that influences nicotine dependence. Medical Xpress, 2017. Available from: <https://medicalxpress.com/news/2017-10-gene-nicotine.html>

Hazel S. Smoking indoors saw off ancient man's rivals. The Times, 2016. Available from: <http://www.thetimes.co.uk/edition/news/smoking-indoors-saw-off-ancient-mans-rivals-k7crwlv9n>

Radford T. Neanderthal DNA may account for nicotine addiction and depression The Guardian, 2016. Available from: <https://www.theguardian.com/science/2016/feb/11/neanderthal-dna-may-account-for-nicotine-addiction-and-depression>

Zickler P Evidence builds that genes influence cigarettes smoking. NIDA Notes, 2006.15. Available from: [http://www.drugabuse.gov/NIDA\\_Notes/NNVol15N2/Evidence.html](http://www.drugabuse.gov/NIDA_Notes/NNVol15N2/Evidence.html)

Swan N. Report on the human genome project conference. Life Matters, 2000. Last update: Viewed 19 February 2001. Available from: [http://www.abc.net.au/science/news/health/HealthRepublish\\_246976.htm](http://www.abc.net.au/science/news/health/HealthRepublish_246976.htm).

Institute of Medicine. Growing up tobacco free: Preventing nicotine addiction in children and youths. Washington, DC 1994. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK236763/>.