

Tobacco in Australia

Facts & Issues

Relevant news and research

4.6 Mechanisms of disease

Last updated August 2022

Research:

Stabile, AM, Pistilli, A, Bartolini, D, Angelucci, E, Dell'Omo, M, Di Sante, G, & Rende, M. (2022). Short-Term Effects of Side-Stream Smoke on Nerve Growth Factor and Its Receptors TrKA and p75(NTR) in a Group of Non-Smokers. *Int J Environ Res Public Health*, 19(16). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36011952>

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Stabile, AM, Pistilli, A, Bartolini, D, Angelucci, E, Dell'Omo, M, Di Sante, G, & Rende, M. (2022). Short-Term Effects of Side-Stream Smoke on Nerve Growth Factor and Its Receptors TrKA and p75(NTR) in a Group of Non-Smokers. *Int J Environ Res Public Health*, 19(16). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36011952>

Sirocko, KT, Angstmann, H, Papenmeier, S, Wagner, C, Spohn, M, Indenbirken, D et al. (2022). Early-life exposure to tobacco smoke alters airway signaling pathways and later mortality in *D. melanogaster*. *Environ Pollut*, 309, 119696. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35780997>

Holahan, CJ, Holahan, CK, Lim, S, Powers, DA, & North, RJ. (2021). Living with a Smoker and Physical Inactivity across Eight Years in High-Risk Medical Patients. *Behav Med*, 1-14. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33780324>

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Yamashita, R, Komaki, Y, Yang, G, & Ibuki, Y. (2020). Cell line-dependent difference in glutathione levels affects the cigarette sidestream smoke-induced inhibition of nucleotide excision repair. *Mutat Res*, 858-860, 503273. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33198939>

No authors listed. Gene Expression Changes in an Early Stage of Intervertebral Disc Degeneration Induced by Passive Cigarette Smoking: Erratum. (2019). *Spine (Phila Pa 1976)*, 44(10), E632. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31046003>

Xiao, C, Wu, M, Liu, J, Gu, J, Jiao, X, Lu, D et al. Acute tobacco smoke exposure exacerbates the inflammatory response to corneal wounds in mice via the sympathetic nervous system. *Commun Biol*, 2019. 2, 33. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30701198>

Yang, G, Ibuki, Y. Cigarette sidestream smoke delays nucleotide excision repair - inhibited accumulation of repair proteins at DNA lesions. *Carcinogenesis*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29045565>

Balachova, T, Zander, R, Bonner, B, Isurina, G, Kyler, K, Tsvetkova, L, Volkova, E. Smoking and alcohol use among women in Russia: Dual risk for prenatal exposure. *J Ethn Subst Abuse*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28678641>

Makadia, LD, Roper, PJ, Andrews, JO, Tingen, MS. Tobacco Use and Smoke Exposure in Children: New Trends, Harm, and Strategies to Improve Health Outcomes. *Curr Allergy Asthma Rep*. 2017 Aug;17(8):55. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28741144>

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News reports:

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