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Altri autori (Persone)	BockGregory GoodeJamie
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Nota di contenuto	Cover; Contents; Chair's introduction; The hazards of smoking and the benefits of stopping; DISCUSSION; Animal models for nicotine dependence; DISCUSSION; Defining and assessing nicotine dependence in humans; DISCUSSION; General discussion I; Nicotinic acetylcholine receptor functions in the CNS investigated with a novel method of stereotaxic gene re-expression in knockout mice; DISCUSSION; Nicotine-mediated activation of signal transduction pathways; DISCUSSION; Complementary roles for the accumbal shell and core in nicotine dependence; DISCUSSION The dopamine D3 system: new opportunities for dopamine-based rewardDISCUSSION; Pathways and systems involved in nicotine dependence; DISCUSSION; Localizing tobacco dependence pathways with functional brain imaging; DISCUSSION; Pharmacogenetic approaches to nicotine dependence treatment; DISCUSSION; Pharmacogenomics and smoking cessation; DISCUSSION; General

discussion II; Power in studies; Receptor desensitization; What limits the efficacy of current nicotine replacement therapies?; DISCUSSION; Exploring behavioural mechanisms of nicotine replacement therapy for smoking cessation; DISCUSSION
Modifying the metabolism of nicotine as a therapeutic strategyDISCUSSION; Challenges in discovery and development of pharmacotherapies for tobacco addiction; DISCUSSION; Final discussion; Nicotine comorbidity; Animal models; Contributor Index; Subject Index

Sommario/riassunto

Cigarette smoking is estimated to lead to 4.9 million premature deaths per year worldwide. This is predicted to rise to 10 million by 2020. In western countries it kills half of all smokers who fail to stop. The prevailing model for tobacco addiction is that nicotine from cigarettes rewards smoking and punishes abstinence, tapping into a motivational system of operant conditioning that requires no conscious awareness. However, there are also accounts which involve cognitive biases and the effect of nicotine on impulse control. The brain pathways involved have been studied extensively, b
