

Special Issue

Smoking and Lung Cancer: Cellular and Molecular Differences between Smokers and Never-Smokers

Message from the Guest Editors

Lung cancer epidemiologic trends reflect the past trends of cigarette smoking to a great extent. Although lung cancer is strongly associated with cigarette smoking, nevertheless only about 15% of smokers get lung cancer, and also some never-smokers develop this malignancy. The proportion of never-smokers among Asian patients is higher than in Caucasians. Other environmental factors include air pollution: occupational; second-hand tobacco smoke; smoke from domestic combustion for heating; radon in uranium miners. There are significant histopathological differences between smokers and never-smokers. Expression of many genes is different in smoking versus never-smoking lung cancer patients. Polymorphisms of several genes have been found to be risk factors in never or light smokers, but tended to be protective in heavy smokers. There are also differences in de novo gene mutations and their frequencies in smokers and never-smokers bearing lung cancer.

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Deadline for manuscript submissions

closed (31 July 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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