

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.

Guest Editors

Prof. Dr. Piotr Kusnierczyk

Ludwik Hirsztfeld Institute of Immunology and Experimental Therapy,
Polish Academy of Sciences, ul. Rudolfa Weigla 12, 53-114 Wrocław,
Poland

Prof. Dr. Piotr Dziegiel

Department of Histology and Embryology, Department of Human
Morphology and Embryology, Wrocław Medical University,
Chałubińskiego 6a St, 50-368 Wrocław, Poland

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



mdpi.com/si/78742

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)





Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,
Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).