



cells



an Open Access Journal by MDPI

Molecular and Cellular Basis of Macular Degenerations

Guest Editor:

Dr. Thierry Leveillard

Institut de la Vision: Department of genetics Sorbonne Université, INSERM, CNRS, Institut de la Vision, 17 rue Moreau, F-75012 Paris, France

Deadline for manuscript submissions:

closed (15 December 2020)

Message from the Guest Editor

Dear Colleagues,

The macula at the center of the retina of primates contains the fovea in its middle, an area where cone photoreceptors are highly concentrated, with exclusion of the rod. Daylight vision, color perception, and visual acuity are mediated by the function of cones. Any affection of the macula leads to central vision impairment. Macular degenerations are multiple and encompass a large number of rare, inherited diseases and a very common form of aging disease—age-related macular degeneration. Other maculopathies linked to different conditions also contribute to vision loss.

This Special Issue will focus on recent studies of this complex group of diseases and highlight the current knowledge in the field regarding these diseases' underlying molecular and cellular mechanisms. We hope that the combination of original papers and focused reviews will provide a useful resource for all the scientific community.

Dr. Thierry Leveillard

Guest Editor



mdpi.com/si/36872

Special Issue



cells



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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)

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)