



an Open Access Journal by MDPI

Drug-induced Ototoxicity: Mechanisms and Otoprotective Strategies

Guest Editors:

Prof. Peter S. Steyger

Prof. Dr. Sonia M. Rocha-Sanchez

Dr. E. Jeffrey North

Dr. Tal Teitz

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Cells within the inner ear are protected by the blood-labyrinth barrier (BLB) and by the epithelial cells lining the endolymphatic duct. In homeostatic conditions, this strict permeability barrier is required to maintain the electrophysiological environment that enables sensitive auditory and vestibular functions. However, in circumstances that require therapeutic interventions for otoprotection or repair of inner ear structures, the permeability of the BLB becomes a significant challenge. Furthermore, preclinical models that facilitate the discovery of otoprotective compounds and mimic the medical settings in which ototoxicity occurs to validate and optimize candidate otoprotective compounds are critically required. In this research topic, original research and review manuscripts are invited in two broad categories: (i) Mechanisms of ototoxicity ; (ii) Strategies for otoprotection.



mdpi.com/si/54501

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

Pharmaceuticals is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us.

We hope to handle your contribution to *Pharmaceuticals* soon.

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, PMC, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Pharmaceutical Science*)

Contact Us

Pharmaceuticals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceuticals
pharmaceuticals@mdpi.com