Special Issue

ABC Transporters: From Basic Functions to Diseases

Message from the Guest Editor

ATP-binding cassette (ABC) transporters play crucial roles in transport of various kinds of endogenous metabolites such as bile acids, sterols, lipids, and peptides, and exogenous molecules such as antibiotics, toxins, and drugs. A number of studies in this field have revealed that several of these transporters were mutated in human disorders and that they contributed to multi-drug resistances in cancer chemotherapy as well as showed that single nucleotide polymorphisms (SNPs) in their genes determine the pharmacokinetics of various drugs and contribute to the development of various diseases. We invite authors to submit original research as well as review articles that will help in understanding of the impacts of ABC transporters and their gene polymorphisms on human health, including pathogenesis of multifactorial disorder such as metabolic diseases, pharmacokinetics of drugs and multi-drug resistances in cancer chemotherapy. This Special Issue should improve our understanding of ABC transporters and also pave the way for alternative therapeutic strategies and development of diagnostic and therapeutic approaches to some disease treatments.

Guest Editor

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Deadline for manuscript submissions

closed (30 December 2019)



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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