Topical Collection

Current Trends in Xenobiotic Sensing Nuclear Receptor Research—The Many Facets of PXR and CAR

Message from the Collection Editors

The nuclear receptor PXR (pregnane X receptor, NR1I2) is a ligand-modulated transcription factor that is involved in many cellular processes in liver and intestine. Besides functioning as a xenosensor in drug metabolism and transport, and its involvement in drug-drug interactions, PXR contributes to additional processes, such as the regulation of glucose and lipid metabolism. In cancer cells, PXR is involved in the regulation of cell proliferation and the development of chemoresistance. Due to its manifold roles, the development of both agonists and antagonists as potential therapeutics against metabolic diseases and cancer is of great interest.

In order to highlight the recent findings in PXR research, this Special Issue seeks manuscript submissions for original and review articles from all research disciplines.

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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.

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