



an Open Access Journal by MDPI

Interdisciplinary Approaches to Studying Human Liver Biology and Promoting Organ Regeneration: Understanding the Curse of Prometheus

Collection Editors:

Prof. Dr. David C. Hay

Chair of Tissue Engineering, Institute for Regeneration and Repair, Centre for Regenerative Medicine, The University of Edinburgh, 5 Little France Drive, Edinburgh EH16 4UU, UK

Dr. Matthew Sinton

Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow, Glasgow G12 8TA, UK

Alvile Kasarinaite

PhD Student, Institute for Regeneration and Repair, Centre for Regenerative Medicine, The University of Edinburgh, 5 Little France Drive, Edinburgh EH16 4UU, UK

Message from the Collection Editors

A renewable cell-based resource, which could be precisely genetically modified and manufactured at scale to treat disease, is of significant interest to the clinic. This would offer the prospect of routine and personalised treatments to treat human liver disease. While significant progress has been made from many perspectives, there remains a need to improve cell-based system manufacture for both basic and complex organ modelling, and the development of pioneering treatments for liver disease. Essential to those endeavours are interdisciplinary scientific investigation and combination collaboration The of biology with engineering, chemistry, informatics physics, and mathematics are key to the development of reliable products which can be produced at scale, the generation of successful new intellectual property and commercialisation of prototypes. With this in mind we have prepared this Topical Collection of Cells and request your expert opinion and contribution. Please let us know if you would like any clarification or more information regarding the editorial and review processes.









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, CAPlus / 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