Special Issue

Nonalcoholic Fatty Liver Disease: From Mechanisms to Therapeutics

Message from the Guest Editors

Non-alcoholic fatty liver disease (NAFLD) represents a spectrum of liver disease ranging from simple steatosis to steatosis with lobular inflammation and evidence of cellular injury (non-alcoholic steatohepatitis or NASH), liver fibrosis, cirrhosis, and hepatocellular carcinoma. The onset of simple steatosis is associated with insulin resistance and metabolic dysregulation, while in NAFLD, progression involves several pathways, including oxidative stress, fibrosis, and inflammation. Furthermore, NAFLD does not involve only the liver but other organs and tissues such as the intestine and adipose tissues. All molecular pathways involved in NAFLD onset and progression and the complex interplay among them as well as among the several impaired organs and tissues are not fully understood. Thus, the main aim of this Special Issue is to further characterize the already known mechanisms and to identify new molecular pathways dysregulated in NAFLD in order to identify novel molecular mediators that could represent future therapeutical targets.

Guest Editors

Dr. Stefania Di Mauro

Department of Clinical and Experimental Medicine, Internal Medicine, Garibaldi-Nesima Hospital, University of Catania, 95122 Catania, Italy

Dr. Alessandra Scamporrino

Department of Clinical and Experimental Medicine, Internal Medicine, Garibaldi-Nesima Hospital, University of Catania, 95122 Catania, Italy

Deadline for manuscript submissions

closed (25 December 2024)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/177505

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/journal/cells

MDPI

About the Journal

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.

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).