Special Issue

Mitochondrial Functionality in Liver Pathologies

Message from the Guest Editor

Non-alcoholic fatty liver disease (NAFLD) is becoming the major cause of liver-related morbidity. Its prevalence is increasing worldwide, rising conjointly with obesity, insulin resistance, and cardiovascular risk. While the mechanisms behind the progression of liver disease have not been fully elucidated, mounting evidence suggests that oxidative stress and mitochondrial dysfunction are tightly linked to liver disease progression. Mitochondrial dysfunction is clearly implicated in exacerbating liver disease progression, and therapies that target the hepatic mitochondria may provide novel avenues for treatment. The aim of this Special Issue, titled “Mitochondrial Functionality in Liver Pathologies”, aims to provide compilation of literature evaluating the evidence behind the mitochondria alteration in the setting of liver disease and progression to fibrosis, cirrhosis, and hepatocellular carcinoma (HCC). Original research, systematic reviews, and meta-analyses should have a clear focus linking mitochondria and liver pathologies, prevention, progression, treatment, and/or reversion.

Guest Editor

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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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