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NASH and Hepatocellular Carcinoma (HCC)

Guest Editor:

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Message from the Guest Editor

Nonalcoholic fatty liver disease (NAFLD), the hepatic manifestation of obesity and metabolic syndrome, is a major cause of liver disease worldwide and its prevalence is increasing in parallel with obesity and type 2 diabetes. This spectrum of NAFLD ranges from simple steatosis to nonalcoholic steatohepatitis (NASH) and cirrhosis, which ultimately leads to hepatocellular carcinoma (HCC), a leading cause of cancer-related deaths worldwide. Liver damage associated with NASH leads to a cycle of cell death, liver regeneration, and fibrosis, during which HCC precursor cells undergo malignant transformation, leading to cancer initiation. Several mechanisms have been proposed to underlie the progression of NASH to cirrhosis, and eventually HCC, including cell death, ER stress, mitochondrial dysfunction, inflammation, and oxidative stress. The mechanisms of progression of NASH, fibrosis, and HCC are far from being understood.

In this Special Issue, we aim to present a series of review and research articles that elucidate the progression in the diagnosis, prevention, and treatment of NASH and HCC, along with the many challenges that still remain.

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Message from the Editor-in-Chief

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