

Special Issue

Molecular Mechanisms of Drug-Induced, Immune-Mediated Liver Injury

Message from the Guest Editors

Drug-induced hepatitis is a type of liver disease and a leading cause of acute liver failure. A major challenge to understanding the pathogenesis of drug-induced, immune-mediated liver injury is its diverse presentations, which can range from toxic hepatitis-induced acute liver failure to immune-mediated hepatitis with autoimmune features. Precise understanding of the molecular mechanisms of drug-induced, immune-mediated liver injury through basic, translational, and clinical studies is critical in order to reduce significant morbidity in patients, unanticipated costs to patients and hospitals, and to completely address this disease. The key molecular mechanisms that initiate drug-induced, immune-mediated liver injury have been uncovered, and the mechanisms that modulate disease severity are now being discovered. Our goal in this Special Issue is to convey the mechanisms that regulate the severity of DIH using in vitro models, animal models, in silico studies, and human studies that might uncover therapeutic targets or mechanisms that regulate morbidity or mortality of drug-induced, immune-mediated liver injury in patients.

Guest Editors

Dr. Dolores B. Njoku

Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, MD 21287, USA

Dr. Munish Puri

UMass Chan Medical School, Worcester, MA 01605, USA

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4052 Basel, Switzerland
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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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