



Bioengineering Liver Transplantation

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Message from the Guest Editors

The aim of this Special Issue is to review, understand, and evaluate new and exciting opportunities from the field on regenerative medicine, biomaterials, and stem cell research for the bioengineering of human liver grafts that can be applied for transplantation and personalized treatment of end-stage liver disease.

In this Special Issue, we welcome reviews and original papers focussing on hepatic cell sources, including adult hepatic stem cells, organoids, fetal and induced pluripotent stem cells, and primary cells (i.e., hepatocytes, cholangiocytes, and endothelial cells) and how these cells can be applied in tissue engineering strategies to generate implantable and personalized liver grafts. Potential topics include, but are not limited to, the following: liver tissue engineering, liver regeneration, graft repair, liver stem cells and organoids, bio-scaffolds, and 3D printing.

Keywords

- Tissue Engineering
- Liver regeneration
- Graft repair
- Liver stem cells & organoids
- Bio scaffolds
- Bio printing





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Message from the Editor-in-Chief

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