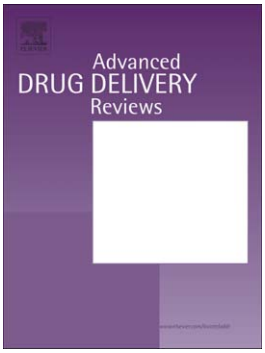

3D in vitro models of liver fibrosis

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HSCs: Hepatic stellate cells: ALT: alanine aminotransferase, APAP: acetominophen, AST: aminotransferase, CBDL: common biled duct ligation, DAMPs: damage associated molecular patterns, DCM: decellularized matrix, DILI: drug-induced liver injury, ECM: extracelular matrix, ESC: embryonic stem cells, FACS: fluorescence-activated cell sorting, HSC: hepatic stellate cell, iPSC: induced pluripotent stem cell, KC: Kupffer cells, LSEC: liver sinusoidal endothelial cells, MACS: magnetic-activated cell sorting, MTX: methotrexate, NAFLD: nonalcoholic fatty liver disease, NPC: non-parenchymal cells, PAMPs: pathogen-associated molecular patterns, PPR: pattern recognition receptor, PCLS: precision-cut liver slice, PDMS: polydimethylsiloxane, PHH: primary human hepatocytes, PLA: poly(DL-lactic acid), TAA: thioacetamide.