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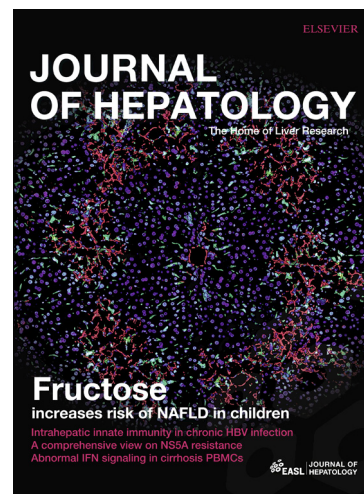
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JNK1 induces hedgehog signaling from stellate cells to accelerate liver regeneration in mice

Short title: JNK1 accelerates liver regeneration via IHH

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Abbreviations: ALPPS: Associating Liver Partition and Portal Vein Ligation Surgery, FLR: functional liver remnant, HSC: hepatic stellate cells, *Ihh*: Indian hedgehog, JNK1: c-Jun-N-terminal kinase, pH3: phosphohistone 3; PVL: Portal Vein Ligation, SFSS: small-for-size-syndrome, PH: partial hepatectomy

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