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Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches

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COVER: Interferon regulatory factor 1 (IRF-1) modulates histone acetyltransferase (HAT) in liver ischemia/reperfusion (I/R). Primary cultured hepatocytes were plated in serum-free Williams Medium E and placed under hypoxic (1% O₂) or normoxic conditions with or without pretreatment with 1.25 μ M garcinol. IRF-1 KO and WT mice were subjected to 3 h of partial liver warm I/R. Nuclear or whole-liver homogenates were extracted from the ischemic lobes. A. Immunofluorescence staining for HMGB1 (green) of WT hepatocytes subjected to 8 h hypoxia with or without garcinol pretreatment. Figure is representative of three independent experiments. See Dhupar et al., pages 293–301, 2011.