

Match Overview

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3
Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 59907

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Lipotoxic hepatocyte-derived exosomal miR-1297 promotes hepatic stellate cell activation through the PTEN signaling pathway in metabolic associated fatty liver disease

Luo X *et al.* Exosomal miR-1297 activated HSC

Xin Luo, Sheng-Zheng Luo, Zi-Xin Xu, Cui Zhou, Zheng-Hong Li, Xiao-Yan Zhou, Ming-Yi Xu

Abstract

BACKGROUND

Exosomes played an important role in metabolic associated fatty liver disease

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[Extracellular vesicles in liver pathobiology: Small ...](#)

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.28814>

Sep 15, 2016 · EVs released from lipid-laden hepatocytes may drive **liver** fibrosis not only by promoting inflammation but also **through** a direct effect on **hepatic stellate** cells (HSCs). **Lipotoxic hepatocyte-derived** EVs have been demonstrated to induce HSC profibrogenic **activation**. 43 This effect was mediated by EV miRNA cargo, miR-128-3p in particular ...

Cited by: 114**Author:** Petra Hirsova, Samar H. Ibrahim, Vikas ...**Publish Year:** 2016

[Kupffer cell engulfment of apoptotic bodies stimulates ...](#)

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1053/jhep.2003.50472>

Consistent with a role for Kupffer cells in **liver** inflammation and fibrosis, gadolinium chloride attenuated neutrophil infiltration and markers for **stellate cell activation**. In conclusion, these findings support a model of cholestatic **liver** injury where Kupffer **cell** engulfment of apoptotic bodies **promotes** inflammation and fibrogenesis.

Cited by: 470**Author:** Ali Canbay, Ariel E. Feldstein, Hajime Hi...**Publish Year:** 2003

[Role of ncRNAs in modulation of liver fibrosis by ...](#)

<https://exrna.biomedcentral.com/articles/10.1186/s41544-020-00050-5> ▾

May 18, 2020 · Furthermore, **pathway** analysis of target genes of let-7 suggested that low levels of let-7 in EVs may be related to **hepatic** fibrogenesis **through** the **activation** of TGF- β **signaling** in HSCs . The characterization of EVs into the bloodstream of an experimental NAFLD model identified both exosomes and MVs enriched in miR-122 and miR-192 .

Cited by: 1**Author:** Giulia Chiabotto, Giovanni Camussi, Ste...**Publish Year:** 2020

[Novel Molecular Mechanisms in the Development of Non ...](#)

europepmc.org/articles/PMC4768045

Feb 01, 2016 · Lipotoxicity as a trigger for release of EVs. Lipotoxicity refers to a process by which accumulation of certain toxic lipids such as saturated free **fatty** acids (SFA), free cholesterol, or ceramide and other sphingolipid among others in hepatocytes triggers various molecular