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Basic Study

Identification of hepatitis B virus and liver cancer bridge molecules based on functional module network

Xiao-Bing Huang, Yong-Gang He, Lu Zheng, Huan Feng, Yu-Ming Li, Hong-Yan Li, Feng-Xia Yang, Jing Li

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Molecular Biology of Hepatitis B Virus Infection

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Human **hepatitis B virus** (HBV) is the prototype of a family of small DNA viruses that productively infect hepatocytes, the major cell of the **liver**, and replicate by reverse transcription of a terminally redundant viral RNA, the pregenome. Upon infection, the circular, partially double-stranded virion ...

Cited by: 322 **Author:** Christoph Seeger, William S. Mason
Publish Year: 2015

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Characteristic of hepatitis B virus (HBV) is its high tissue and species specificity, as well as a unique genomic organization and replication mechanism. Indeed, humans are the only natural hosts of HBV infection, and the hepatocyte is the only target cell that is susceptible for infection and where viral replication takes place. Moreover, in HBV, unlike in hepatitis C virus (HCV), hepatocellular carcinoma (HCC) may develop not only in cirrhotic, but also in noncirrhotic livers due to mechani...

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Publish Year: 2016 **Author:** Dandri, Maura, Petersen, Joerg

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Jul 15, 2018 · **Hepatitis** is the inflammation of the **liver** tissue, which can become **chronic** leading to progressive **fibrosis** and **cirrhosis**, and then may progress to **scarring** of the **liver**, **liver failure**, or liver **cancer** (Bernal and Wendon, 2014, Udompap et al., 2015).

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Hepatitis B virus-associated acute **liver** failure (HBV-ALF) is a rare but life-threatening syndrome that carried a high morbidity and mortality. Our study aimed to explore the possible molecular mechanisms of HBV-ALF by means of bioinformatics analysis. In this study, genes expression microarray datasets of HBV-ALF from Gene Expression Omnibus were collected, and then we identified ...

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Cited by: 1 **Author:** Yanxiong Gan, Shichao Zheng, Jiaqi Zhao...
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Identification of deregulated miRNAs and their targets in ...

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Oct 14, 2012 · **Identification** of deregulated miRNAs and their targets in **hepatitis B virus-associated hepatocellular carcinoma Wen Wang** , **Lan Juan Zhao** , Ye-Xiong Tan , Hao Ren , and Zhong-Tian Qi Wen Wang, **Lan-Juan Zhao**, Hao Ren, Zhong-Tian Qi, Department of Microbiology, Shanghai Key Laboratory of **Medical Biodefense**, Second **Military Medical University**, Shanghai 200433, China

Cited by: 81 **Author:** Wen Wang, Lan Juan Zhao, Ye-Xiong Tan...
Publish Year: 2012

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According to the cut-off criteria, the PPI network was constructed and Jun proto-oncogene, AP-1 transcription factor subunit (degree, 39), Fos proto-oncogene, AP-1 transcription factor subunit (degree, 34) and **v-myc avian myelocytomatosis viral oncogene homolog** (degree, 32) were **identified** as the hub nodes of the PPI network. **Based** on the sub-module analysis, four **specific modules** were **identified**.

Cited by: 1 **Author:** Wufeng Fan, Guangming Ye
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Oct 14, 2012 · **Identification** of deregulated miRNAs and their targets in **hepatitis B virus**-associated hepatocellular carcinoma Wen Wang , Lan Juan Zhao , Ye-Xiong Tan , Hao Ren , and Zhong-Tian Qi Wen Wang, Lan-Juan Zhao, Hao Ren, Zhong-Tian Qi, Department of Microbiology, Shanghai Key Laboratory of Medical Biodefense, Second Military Medical University ...

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Hepatocellular carcinoma | Nature Reviews Disease Primers

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Iizuka N, Oka M, Hamamoto Y, Mori N, Tamesa T, Tangoku A, Miyamoto T, Uchimura S, Tamesa T, Tangoku A, et al: Altered levels of cytochrome p450 genes in **hepatitis B** or C **virus**-infected **liver** identified by oligonucleotide microarray. **Cancer** Genomics Proteomics. 1:53–58. 2004. 56

Cited by: 1 **Author:** Wufeng Fan, Guangming Ye
Publish Year: 2018

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https://peerj.com/articles/6645

Mar 22, 2019 · Background **Liver** fibrosis is often a consequence of chronic **liver** injury, and has the potential to progress to cirrhosis **and liver cancer**. Despite being an important human disease, there are currently no approved anti-fibrotic drugs. In this study, we aim to **identify** the key genes and pathways governing the pathophysiological processes of **liver** fibrosis, and to screen therapeutic anti-fibrotic ...

Author: Zhu Zhan, Zhu Zhan, Yuhe Chen, Yuh... **Publish Year:** 2019