

Human immune repertoire in hepatitis B virus infection



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**Hepatitis B virus infection and the immune response: The ...**

<https://pubmed.ncbi.nlm.nih.gov/28774408>

Clinical events and the host immune response during hepatitis B virus (HBV) infection are intricately linked. Despite decades of research, important questions concerning the immunopathogenesis of chronic HBV infection remain unanswered. For example, it is unclear which immune parameters facilitate p ...

Cited by: 19 Author: Lauke L. Boeljen, Ruben C. Hoogeve...  
Publish Year: 2017

**Network Signatures of IgG Immune Repertoires in Hepatitis ...**

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4870638>

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### Immune Response in Hepatitis B Virus Infection

<https://pubmed.ncbi.nlm.nih.gov/26134480>

**Abstract.** Hepatitis B virus (HBV) can replicate within hepatocytes without causing direct cell damage. The host immune response is, therefore, not only essential to control the spread of virus infection, but it is also responsible for the inflammatory events causing liver pathologies. In this review, we discuss how HBV deals with host immunity and how we can harness it to achieve virus control and suppress liver ...

Cited by: 56 Author: Anthony Tan, Sarene Koh, Antonio Bertolett...  
Publish Year: 2015

### Network Signatures of IgG Immune Repertoires in Hepatitis ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4879636>

The repertoire of IgG antibody responses to infection and vaccination varies depending on the characteristics of the immunogen and the ability of the host to mount a protective immune response. Chronic hepatitis B virus (HBV) infections are marked by persistent infection and immune tolerance to ...

Cited by: 11 Author: Ya-Hui Chang, Hui-Chung Kuan, T. C. Hsieh,...  
Publish Year: 2016

### Review on Human Immune Response against Hepatitis B Virus ...

<https://www.sciforschenonline.org/journals/virology/JVED-2-117.php>

Human hepatitis B virus (HBV), as well as the closely related animal viruses, most frequently is transmitted vertically from mothers to their offspring. As a persistent virus, hepatitis B virus (HBV) is believed to be non cytopathic in most circumstances, with its disease pathogenesis mediated by host innate and adaptive immune responses.

### Immunology of hepatitis B infection - The Lancet ...

<https://www.thelancet.com/journals/laninf/article/...>

The immune response initiated by the T-cell response to viral antigens is thought to be fundamental for viral clearance and disease pathogenesis in hepatitis B virus (HBV) infection. The T-cell response during acute self-limited hepatitis B in people is characterised by a vigorous, polyclonal, and multispecific cytotoxic and helper-T-cell response.

Cited by: 308 Author: Maria-Christina Jung, Gerd R Pape  
Publish Year: 2002

## Hepatitis B virus

Dna Virus



Hepatitis B virus, is a partially double-stranded DNA virus, a species of the genus Orthohepadnavirus and a member of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B.

Wikipedia

**Scientific name:** Hepatitis B virus

**Family:** Hepadnaviridae

**Genus:** Orthohepadnavirus

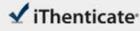
**Domain:** Virus

**Class:** Revtraviricetes

**Biological rank:** Species

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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 63097

**Manuscript Type:** MINIREVIEWS

**Human immune repertoire in hepatitis B virus infection**

Zhan Q *et al.* Immune repertoire in HBV infection

Qiao Zhan, Jing-Hang Xu, Yan-Yan Yu, Emily Lo KK, Felicianna, Hani El-Nezami, Zheng Zeng

**Abstract**

Hepatitis B virus (HBV) infection is a public health threat worldwide that afflicting 257 million people and can progress to liver cirrhosis, liver failure, and hepatocellular carcinoma. The HBV antigen- induced adaptive immune response plays an important role in HBV clearance. To seek out the molecular mechanisms behind the immune system and to find novel ways to treat HBV infection, researchers apply the immune repertoire sequencing (IRS) to evaluate genetic responses and immune characteristics of

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### Immune Response in Hepatitis B Virus Infection

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Publish Year: 2015

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4879636>

May 25, 2016 · The repertoire of IgG antibody responses to infection and vaccination varies depending on the characteristics of the immunogen and the ability of the host to mount a protective immune respons...

Cited by: 11 Author: Ya-Hui Chang, Hui-Chung Kuan, T. C. Hsi...

Publish Year: 2016

### Immunology of hepatitis B virus and hepatitis C virus ...

<https://pubmed.ncbi.nlm.nih.gov/15738952>

Immunology of hepatitis B virus and hepatitis C virus infection. More than 500 million people worldwide are persistently infected with the hepatitis B virus (HBV) and/or hepatitis C virus (HCV) and are at ris...

Cited by: 2098 Author: Barbara Rehermann, Michelina Nascimbeni

Publish Year: 2005

### Review on Human Immune Response against Hepatitis B ...

<https://www.sciforschenonline.org/journals/virology/JEDV-2-117.php>

Human hepatitis B virus (HBV), as well as the closely related animal viruses, most frequently is transmitted vertically from mothers to their offspring. As a persistent virus, hepatitis B virus (HBV) is...

Cited by: 1 Author: Sefinew Molla

Publish Year: 2016

### Frontiers | Hepatitis B Virus Immunopathology, Model ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2017.00436>

< Introduction Immune Pathogenesis of HBV Model Systems For HBV >