

12th Summer Academy “Infection and Immunity”
Lecture 2 on Tuesday, 12 July, 2022

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Immune control and pathogenesis of hepatitis B virus infection

Publications for seminar preparation:

Ejuan Zhang, Zhiyong Ma, Qian Li, Hu Yan, Jia Liu, Weimin Wu, Jiabao Guo, Xiaoyong Zhang, Carsten J. Kirschning, Haifeng Xu, Philipp A. Lang, Dongliang Yang, Ulf Dittmer, Huimin Yan and **Mengji Lu**
[TLR2 Stimulation Increases Cellular Metabolism in CD8+ T Cells and Thereby Enhances CD8+ T Cell Activation, Function, and Antiviral Activity](#)
J Immunol October 21, 2019

Meng Z, et al.
[Advances in Targeting the Innate and Adaptive Immune Systems to Cure Chronic Hepatitis B Virus Infection.](#) +
Front Immunol. 2020. (Review)

Zhiyong Ma, Ejuan Zhang, Dongliang Yang and **Mengji Lu**
[Contribution of Toll-like receptors to the control of hepatitis B virus infection by initiating antiviral innate responses and promoting specific adaptive immune responses](#)
Cell Mol Immunol. 2015 May;12(3):273-82. (Review)

Antonio Bertoletti, Carlo Ferrari
[Adaptive immunity in HBV infection.](#)
J Hepatol. 2016. Apr;64 (1 Suppl):S71-S83. (Review)

Jieliang Chen, Yaming Li, Fritz Lai, Yang Wang, Kathrin Sutter, Ulf Dittmer, Jianyu Ye, Wenjing Zai, Min Liu, Fang Shen, Min Wu, Kongying Hu, Baocun Li, **Mengji Lu**, Xiaonan Zhang, Jiming Zhang, Jianhua Li, Qingfeng Chen, Zhenghong Yuan
[Functional Comparison of IFN- \$\alpha\$ Subtypes Reveals Potent HBV Suppression by a Concerted Action of IFN- \$\alpha\$ and - \$\gamma\$ Signaling](#)
Hepatology. 2020 Apr 25. doi: 10.1002/hep.31282. Online ahead of print.