

13th Summer Academy “Infection and Immunity” Lecture 1 on Monday, 19 August, 2024

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Immune control and pathogenesis of hepatitis B virus infection

Publications for seminar preparation:

1. Li J, Lin Y, Wang X, Lu M.
[Interconnection of cellular autophagy and endosomal vesicle trafficking and its role in hepatitis B virus replication and release.](#)
Virol Sin. 2024 Feb;39(1):24-30.
2. Wang X, Wei Z, Cheng B, Li J, He Y, Lan T, Kemper T, Lin Y, Jiang B, Jiang Y, Meng Z, Lu M.
[Endoplasmic reticulum stress promotes HBV production by enhancing use of the autophagosome/multivesicular body axis.](#)
Hepatology. 2022;75(2):438-454.
3. Wang X, Wei Z, Lan T, He Y, Cheng B, Li R, Chen H, Li F, Liu G, Jiang B, Lin Y, Lu M., Meng Z.
[CCDC88A/GIV promotes HBV replication and progeny secretion via enhancing endosomal trafficking and blocking autophagic degradation](#)
Autophagy. 2022; 18(2):357-374.
4. Lin Y, Wu C, Wang X, Liu S, Zhao K, Kemper T, Yu H, Li M, Zhang J, Chen M, Zhu Y, Chen X, Lu M.
[Glucosamine promotes hepatitis B virus replication through its dual effects in suppressing autophagic degradation and inhibiting MTORC1 signaling.](#)
Autophagy. 2020 Mar;16(3):548-561. doi: 10.1080/15548627.2019.1632104.
5. Lin Y, Wu C, Wang X, Kemper T, Squire A, Gunzer M, Zhang J, Chen X, Lu M.
[Hepatitis B virus is degraded by autophagosome-lysosome fusion mediated by Rab7 and related components.](#)
Protein Cell. 2019 Jan;10(1):60-66. doi: 10.1007/s13238-018-0555-2.