



KYUN-HWAN KIM

PROFESSOR

DEPT. OF STEM CELL BIOLOGY,
SCHOOL OF MEDICINE

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Educations

- 1989 B.S., Seoul National University, Seoul, Korea
- 1991 M.S., Seoul National University, Seoul, Korea
- 2002 Ph.D., Yonsei University, Seoul, Korea

Professional Background

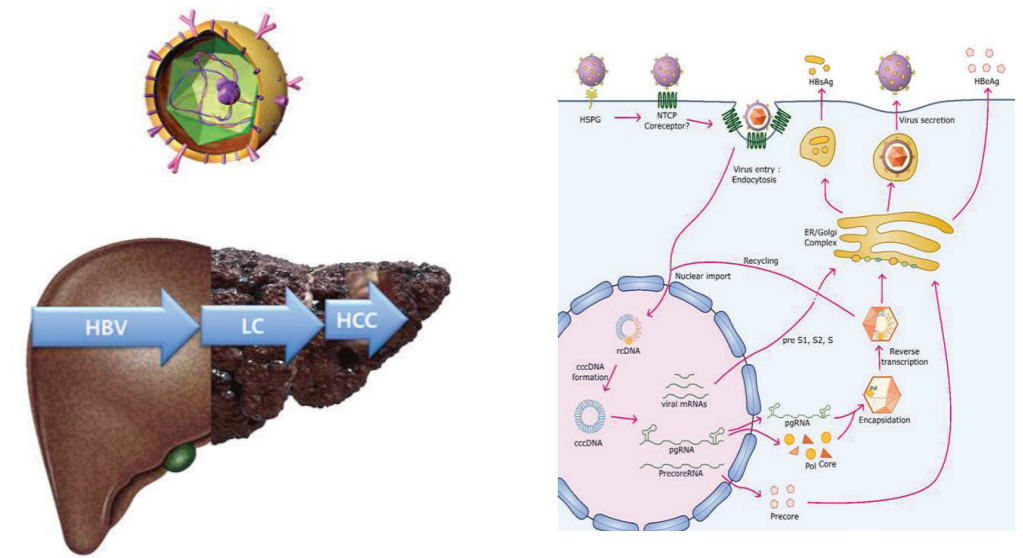
- 2015-Present Professor: School of Medicine, Konkuk University
- 2014 KASL-GSK Award for Research Excellence
- 2013-Present Editorial board member: World Journal of Gastroenterology, Biodesign, Clinical and Molecular Hepatology.
- 2011-Present Scientific Editor: PLoS ONE
- 2009-2014 Associate professor: School of Medicine, Konkuk University
- 2006-2009 Assistant professor: School of Medicine, Konkuk University
- 2003-2005 Post-doctoral fellow: Brown University and Rhode Island Hospital, Liver Research Center, Providence, RI, USA
- 1991-1999 Senior Research Scientist: Basic Research Section, Lotte Group R&D Center, Seoul, Korea

Top 5 Publications

- Park YK, Park ES, Kim DH, Ahn SH, Park SH, Lee AR, Park S, Kang HS, Kim JM, Lee SK, Lim KH, Isorce N, Tong S, Zoulim F, **Kim KH***. Cleaved c-FLIP mediates the antiviral effect of TNF- α against hepatitis B virus by dysregulating hepatocyte nuclear factors. J Hepatol. 2016. Feb;64(2):268-77
- Shin GC, Ahn SH, Choi HS, Kim J, Park ES, Kim DH, **Kim KH***. Hepatocystin Contributes to Interferon-mediated Antiviral Response to Hepatitis B Virus by Regulating Hepatocyte Nuclear Factor 4 α . BBA - Molecular Basis of Disease. 2014;1842:1648-1657
- Ahn SH, Park YK, Park ES, Kim JH, Kim DH, Lim KH, Jang MS, Choe WH, Ko SY, Sung IK, Kwon SY, **Kim KH***. The impact of the hepatitis B virus polymerase rtA181T mutation on replication and drug resistance is potentially affected by overlapping changes in surface gene. J Virol. 2014 May 88(12):6805
- Park ES, Park YK, Shin C, Park SH, Ahn SH, Kim DH, Lim KH, Kwon SY, Kim KP, Yang SI, Seong BL, **Kim KH***. Hepatitis B virus inhibits liver regeneration via epigenetic regulation of urokinase-type plasminogen activator. Hepatology. 2013;58:762-776
- Shin GC, Ahn SH, Choi HS, Lim KH, Choi DY, Kim KP, **Kim KH***. Hepatocystin/80K-H inhibits replication of hepatitis B virus through interaction with HBx protein in hepatoma cell. BBA - Molecular Basis of Disease. 2013;1832:1569-1581

RESEARCH INTERESTS

1. Hepatitis B Virus (HBV)

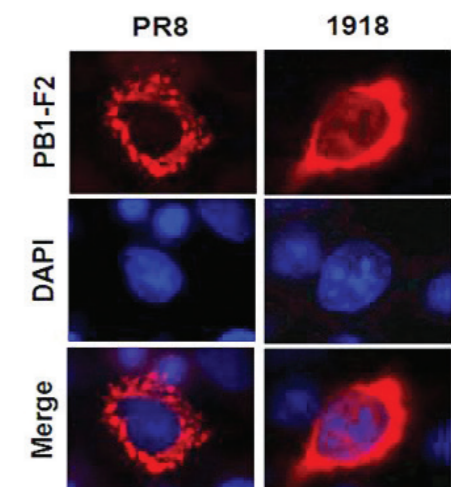
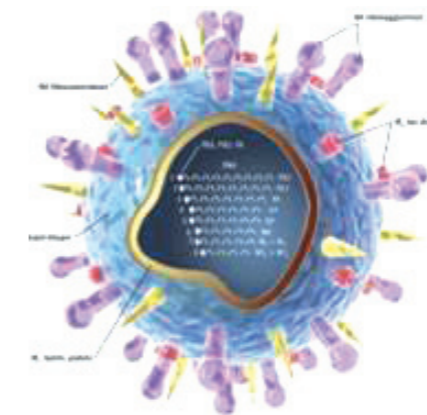


Hepatitis B virus (HBV) infection causes chronic hepatitis, liver cirrhosis (LC), and hepatocellular carcinoma (HCC). It is a major health problem, with over 350 million carriers worldwide.

Our research interests include

- 1) Pathogenesis of HBV infection
- 2) Host-immune escape of HBV
- 3) HBV-induced liver disease
- 4) Development of new anti-HBV drugs

2. Influenza Virus



Influenza ("the flu") is an infectious disease caused by the influenza virus. It spreads around the world in an annual outbreak, resulting in about 3 to 5 million cases of severe illness and about 250,000 to 500,000 deaths..

Our research interests include

- 1) Pathogenesis of influenza virus infection
- 2) Host-immune escape of the influenza virus
- 3) Function of the influenza PB1-F2 protein
- 4) Development of new anti-influenza drugs