

Subtheme
Development of therapeutic vaccine for hepatitis C capable of eliminating HCV from infected hepatocytes (Yoshiharu Matsuura)

Construction of recombinant viruses capable of eliminating HCV through a specific induction of IFN in the infected hepatocytes

Characteristics of HCV infection

- ✓ More than 200 million individuals are infected with HCV in worldwide
- ✓ Association with the development of hepatocellular carcinoma
- ✓ Quasispecies nature of HCV
- ✓ Immune evasion from innate immunity
- ✓ No robust and reliable cell culture system for serum derived HCV
- ✓ No small animal model

