

Human immune responses during hepatitis B viral load fluctuations

1. NK cells of untreated HBV patients in the peripheral blood express no additional ISG compared to healthy controls, which confirms the absence of systemic type I interferon release during chronic HBV - *this thesis*
2. Liver inflammation during chronic HBV is associated with minor transcriptomic changes in human NK cells, in contrast to acute HBV - *this thesis*
3. HBV does not deplete MAIT cells in the peripheral blood, unlike other chronic viral disease like HCV and HIV - *this thesis*
4. Experimental immune treatment for chronic HBV should be added after three months (not years) of viral suppression by nucleotide analogs - *this thesis*
5. The next step in HBV research is to characterize liver and blood derived immune cells comprehensively, without selecting for specific markers, using the fine needle aspiration biopsy technique and a suitable single cell transcriptomics platform - *this thesis*
6. Variations of HBV viral load and serum alanine aminotransferase have a minimal effect on the phenotype and function of NK cells derived from HBV patients
- *Rik de Groen, Antiviral Research 2017*
7. My own suspicion is that the universe is not only queerer than we suppose, but queerer than we can suppose
- *J.B.S. Haldane*
8. Things exist either because they have recently come into existence or because they have qualities that made them unlikely to be destroyed in the past
- *Richard Dawkins, The Blind Watchmaker 1986*
9. Nonintervention does not mean that nothing happens. It means that something else happens
- *Christopher Hitchens*
10. It is not the germs we need worry about. It is our inner terrain.
- *Louis Pasteur*
11. Commander, set a course. There's coffee in that nebula
- *capt. Kathryn Janeway, Star Trek Voyager, 1995*