

PROPOSITIONS

TO THE THESIS

FUNCTION OF MONOCYTES IN CHRONIC HCV INFECTION: ROLE FOR IL-10 AND INTERFERON

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1. CD14⁺CD16⁻ monocytes from patients chronically infected with HCV are impaired to sense bacterial derived pathogens, but have enhanced activity to virus derived pathogens. (This thesis)
2. In chronic HCV infection, IL-10 is likely to play an important role in modulating the function of monocytes. (This thesis)
3. The function of CD16⁺CD14⁻ monocytes is only minimally altered as a consequence of persistent HCV infection, indicating no role for CD16⁺CD14⁻ monocytes in HCV pathogenesis. (This thesis)
4. One of the consequences of priming of human APC with type I and III IFN is to promote the cells' sensitivity to IL-10. (This thesis)
5. Type I and III IFN have distinct immunoregulatory effects on human macrophages. (This thesis)
6. IFN- α is not always a friend during viral infections due to its indirect immunosuppressive capacities.
7. Modulation of IL-10 signaling can improve the outcome of standard IFN-based therapy for chronic HCV patients.
8. In the research on HCV, the conclusions drawn on the immune cells from peripheral blood don't always reflect what happens in the liver.
9. The deepest sin against the human mind is to believe things without evidence - Thomas H. Huxley.
10. The way ahead is long and has no ending, yet high and low I will pursue the truth with my will unbending. - Yuan Qu.
11. Among any three people, I will find something to learn. Their good qualities are to be followed, and their shortcomings are to be avoided. - Confucius.