

PROPOSITIONS

TO THE THESIS

INNATE IMMUNE RESPONSES IN VIRAL HEPATITIS: THE ROLE OF KUPFFER CELLS

AND LIVER-DERIVED MONOCYTES IN SHAPING INTRAHEPATIC IMMUNITY IN MICE

USING THE LCMV INFECTION MODEL

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1. The robustness of the janitor function of Kupffer cells contributes to the performance of the liver as a filtering organ in the steady state and virus-induced hepatitis (this thesis).
2. Functional versatility of the liver-derived monocytes demonstrated in various infection models is essential for survival (this thesis).
3. The CTCF protein regulates the IL-10 production by Kupffer cells (this thesis).
4. High levels of negative regulators of TLR signaling in the resting Kupffer cells (partly) assure liver homeostasis (this thesis).
5. Systemic immune activation by TLR7 ligation holds promise for the therapy of viral hepatitis. The challenge lies in finding the balance between immune activation and immune-induced pathology (this thesis).
6. No amount of experimentation can ever prove me right; a single experiment can prove me wrong (Albert Einstein).
7. The right thing at the wrong time is a wrong thing (Joshua Harris).
8. You know you can live in the Netherlands when the Dutch weather, food and the IND do not bother you (anymore).
9. Knowledge is learning something every day. Wisdom is letting go of something every day (Zen proverb).
10. I like rice. Rice is great if you're hungry and want 2000 of something (Mitch Hedberg).
11. Diamond cannot be polished without friction. Gold cannot be purified without fire. Good people go through trials but don't suffer. With that experience their life becomes better, not bitter (unknown).