

# PROPOSITIONS

## TO THE THESIS

### **Hepatitis E Virus Infection and the Treatment**

By Changbo Qu

1. HEV is the dominant etiology for acute hepatitis worldwide. (this thesis)
2. The mutual interactions between hepatitis viruses and mitochondria orchestrate the pathogenesis, clinical outcome, and response to antiviral medication. (this thesis)
3. Repurposing or optimizing the existing FDA-approved drugs that target complex III could speed up the drug development against HEV infection. (this thesis)
4. Nucleoside analogue are successful for combating HEV due to their potent antiviral effects and the high barrier to drug resistance development. (this thesis)
5. The discovery that NF- $\kappa$ B-RIPK1-caspase pathway interferes with HEV infection provides new insight into HEV-host interactions. (this thesis)
6. A growing body of evidence, both in experimental models and in patients, indicates the existence of an active host innate immune response to HEV infection. (this thesis)
7. The remarkable success of humanity in combating viral disease is proof of Albert's Einstein's adagium: To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science.
8. Vincent Van Gogh's remark of "I dream my painting and I paint my dream." may indicate that the greatest work of art have been inspired by anti-viral cytokine-induced effects on nocturnal brain activity.
9. Reaching the moon by humanity on July 20, 1969 shows that nothing is impossible to a willing heart.
10. 生活是绘画, 不是做算术. Life is painting a picture, not doing a sum.
11. 失之毫厘谬以千里. A miss is as good as a mile.