

# PROPOSITIONS

## TO THE THESIS

### **Development of novel anti-viral strategies for hepatitis E**

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1. The interferon-stimulated genes (ISGs) represent a complex but elaborate system defining the state of host anti-pathogen defense, which are not restricted to the well-described action of IFNs.(this thesis)
2. Unphosphorylated ISGF3 drives constitutive expression of interferon-stimulated genes to protect host cells against viral infection. (this thesis)
3. The knowledge with respect to the antiviral effects of individual ISGs represent the next promising frontier in drug discovery. (this thesis)
4. Repurposing potential anti-HEV candidates from pre-clinical or clinical used antiviral drugs represent an cost-effective but unconventional paths. (this thesis)
5. The single-stranded RNA genome of hepatitis E virus robustly triggers antiviral interferon response. (this thesis)
6. Hepatitis E virus activates and hijacks host factor, STAT3 to facilitate virus replication. (this thesis)
7. The beginning of knowledge is the discovery of something we do not understand. (Frank Herbert)
8. The only real voyage of discovery consists not in seeking new landscapes but in having new eyes. (Marcel Proust)
9. The science of today is the technology of tomorrow. (Edward Teller)
10. 一花一世界，一叶一菩提 (A tiny flower represents a chiliocosm, as a single leaf covers the Bodhi) .
11. I have not failed, I've just found 10,000 ways that wont's work. (Thomas Alva Edison)