PROPOSITIONS

TO THE THESIS

"On the release of small RNAs and viruses from hepatocytes"

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1. Human and mouse hepatocytes have both the ability to release small RNAs and the ability to take them up from the extracellular environment. *(This thesis)*
2. Hepatic microRNAs released into blood have the potential as early and sensitive biomarkers of hepatocyte injury after liver transplantation. *(This thesis)*
3. The release of microRNA from hepatocytes is bi-directional with controlled secretion into bile being associated with good liver graft function. *(This thesis)*
4. Hepatocyte-derived exosomes can transmit hepatitis C virus infection from one cell to another. *(This thesis)*
5. Transmission of infection for the hepatitis C virus still is not fully elucidated, but could involve a fecal route through viral release in bile. *(This thesis)*
6. RNAi represents a feasible and promising future treatment strategy for special populations infected with HCV who have poor tolerability to standard therapy or are non-responders. *(This thesis)*
7. One of the most intriguing roles of exosomes is intercellular communication—they are thought to function as the messengers, delivering various effectors or signaling macromolecules between specific cells. *Biochim Biophys Acta. 2012 Jul;1820(7):940-8*
8. MiRNAs are a promising new therapeutic target to prevent and restore ischemia and reperfusion injury after transplantation. *Plos One. 2013 Nov 20;8(11):e79805.*
9. It has been said that the primary function of schools is to impart enough facts to make children stop asking questions. Some, with whom the schools do not succeed, become scientists. – Knut Schmidt-Nielson.
10. "Science, my lad, is made up of mistakes, but they are mistakes which it is useful to make, because they lead little by little to the truth." - Jules Verne, A Journey to the Center of the Earth.
11. "Friendship is the source of the greatest pleasures, and without friends even the most agreeable pursuits become tedious." - Thomas Aquinas