

**Thesis propositions: -**

1. The expression of guanylin and uroguanylin is impaired in the cystic fibrosis intestine. (*this thesis*)
2. Both guanylin and uroguanylin are expressed by mouse Paneth cells. (*this thesis*)
3. Guanylyl Cyclase C encoding transcripts are present in mouse duodenal glands. (*this thesis*)
4. Dysbiosis impairs Fgf15 and (uro)guanylin signaling in cystic fibrosis. (*this thesis*)
5. The gut microbiota may play a role in the pathogenesis of cystic fibrosis-related liver disease. (*this thesis*)
6. As the life expectancy of cystic fibrosis patients increases, so will the incidence of clinically significant cystic fibrosis-related liver disease.
7. Mini-organs (organoids) may be used for the preclinical testing of new drugs or drug combinations that are optimally suited for the individual patient. (*Dekkers JF et al Nat Med 2013*)
8. When the benefits outweigh the risk, poison becomes medicine. (*Paraphrased from Peter Mere Latham quote*)
9. Modern science has an answer to many questions, but life remains a mystery. (*Paraphrased from Max Planck quote*)
10. Scientific pursuit starts with asking the right questions. (*Paraphrased from Claude Lévi-Strauss quote*)
11. Perfection may not be attainable, but we can make the effort. (*Paraphrased from Vince Lombardi quote*)