

Stellingen

behorende bij het proefschrift

Studies on Airway Inflammation and Remodeling in a Cystic Fibrosis F508del CFTR Mouse Model

Towards the development of Experimental Therapies
for the treatment of the CF lung Pathophysiology

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Rotterdam, June 2011

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- 1) The Cystic Fibrosis (CF) lung pathophysiology is like the ancient causality dilemma of the chicken and the egg. Which one comes first, the inflammation or the infection?
(this thesis)
- 2) In view of the major differences in size, cellular architecture, physiology, host pathogen interactions, lifestyle and lifespan it is not surprising that CF mice do not present an exact copy of typical CF lung disease in humans. Even human individuals with CF differ considerably with respect to the severity and progression of lung disease
(this thesis)
- 3) The repairing airway epithelium is mainly responsible for the upregulation of Amphiregulin mRNA two days after airway epithelial injury *(this thesis)*
- 4) Airway epithelial injury in dF508-CFTR mutant male mouse lungs results in a sustained abnormal inflammatory and fibrotic response *(this thesis)*
- 5) The abnormal regulation of the prostaglandin and retinoic acid metabolism pathways in CF mutant mice after epithelial cell damage may have important consequences not only for epithelial repair, but also for the fibrotic response *(this thesis)*
- 6) Our understanding of genes, proteins and even cells far exceeds our understanding of the complex interactions that give rise to organ-level disease.
Adapted from J. Wine from Notes for Human Genome
- 7) To do successful research, you don't need to know everything, you just need to know of one thing that isn't known. *By Arthur Schawlow (1921-1999)*
- 8) "Let me tell you the secret that has led me to my goal. My strength lies solely in my tenacity." *By Louis Pasteur (1822-1895)*
- 9) The passion fruit is an exotic multifunctional fruit, a rich source of antioxidants, fiber, minerals and vitamins. Vitamin-A protects the lung and the anti-oxidant vitamin-C improves immunity by scavenging harmful, pro-inflammatory free radicals.
- 10) Animals experiments will be necessary and unavoidable until better alternative research methods have been developed. This poses a difficult dilemma for animal lovers.
- 11) "In live you have no enemies or friends, you only have mentors and teachers"
Adapted from an ancient proverb