

## Osmoregulation of chloride channels in epithelial cells

### Osmoregulatie van chloride kanalen in epitheelcellen

1. A rapid increase in cell volume is a prerequisite for the activation of compensatory osmolyte release pathways. (this thesis).
2. In addition to its direct potentiating effects on CFTR-Cl<sup>-</sup> channel activity, genistein may also improve Cl<sup>-</sup> channel function by preventing channel internalization. (this thesis).
3. Intracellular localized Cl channels are potential VRAC candidates. (this thesis).
4. It is of interest to study the potential beneficial effects of a cholesterol-lowering drugs on F508delCFTR function in native epithelia (this thesis).
5. There are two distinct populations of VRAC channels, a neurotoxin-sensitive intracellular pool and a population residing in the plasma membrane. (this thesis)
6. Early hominids were successful hunters because they were specialized "sweaters" (Lieberman, D.E. and Bramble, D.M. (2007). *Sports Med.* 37: 288-290).
7. A hallmark of good research is that it opens a door to a new room with many other doors (Kerjaschki, D. (2005). *J. Clin. Invest.* 115: 2363-2372).
8. Let food be your medicine, and medicine be your food (Hippocrates 400 B.C.).
9. Learning without thinking leads to confusion; thinking without learning is labour lost (Confucius, 551-479 B.C.).
10. Success is not final, failure is not fatal: it is the courage to continue that counts (Sir Winston Churchill).
11. It is the choices we make, not the chances we take, that determine our destiny.

