

## Stellingen behorende bij het proefschrift

### Molecular Mechanisms Regulating Human Dendritic Cell Development, Survival and Function

1. PI3K-PKB-mTOR signaling promotes survival during but not after differentiation of human CD34-derived myeloid dendritic cells. *(dit proefschrift)*
2. Although activation of canonical NF- $\kappa$ B transcription factors has mainly been associated with dendritic cell function, their activity is also required for the differentiation and survival of human myeloid dendritic cell subsets. *(dit proefschrift)*
3. The development of human interstitial dendritic cells and Langerhans cells requires specific levels of STAT5 activity at distinct phases of differentiation. *(dit proefschrift)*
4. The PI3K-PKB-mTOR axis is a potential molecular target to manipulate plasmacytoid dendritic cell development, survival or function in order to treat persistent infections or cancer. *(dit proefschrift)*
5. Through activation of STAT5 and canonical NF- $\kappa$ B transcription factors, GM-CSF supports the differentiation of immunogenic dendritic cells. *(dit proefschrift)*
6. A better understanding of the function of dendritic cells requires clarification of their direct and early progenitors, of the relation between dendritic cells and other antigen presenting cells, and of the different situations leading to the development of distinct antigen presenting cells.
7. Although rapamycin induces apoptosis in single cell cultures, feeding it to mice extends their lifespan. *(D.E. Harrison et al. 2009. Nature 460:392-392)*
8. Cheering convincingly increases chances of success. *(T. Moll et al. 2010. J. Sports Sci. 28:983-992)*
9. Without logic, reason is useless *(T. Cathcart and D. Klein. 2007)* en andersom geldt dat precies zo.
10. Je moet niet kijken naar waar de scheuren zijn, maar naar waar je wél kunt schaatsen.
11. De vergelijking tussen appels en peren is veel interessanter dan die tussen appels en appels.

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