Stellingen behorend bij het proefschrift

"Unraveling Glucocorticoid Resistance

In *MLL*-rearranged Infant Acute Lymphoblastic Leukemia"

1. The *in vitro* response to glucocorticoids represents an important predictor of an adverse clinical outcome in *MLL*-rearranged ALL in infants. *(this thesis)*

2. Statistically non-significant differences in gene expression may still be of biological significance. *(this thesis)*

3. Merely triggering intracellular calcium waves is not sufficient to induce glucocorticoid sensitivity in *MLL*-rearranged infant ALL; down-regulation of calcium-modulating proteins is additionally required. *(this thesis)*

4. Small molecule inhibitors targeting BCL-2 family member proteins either repress the anti-apoptotic members of this protein family or activate the pro-apoptotic variants. Nonetheless, the end result is similar. *(this thesis)*

5. Disruption of the Annexin A2/p11/Src kinase protein complex represents an intriguing strategy to sensitize *MLL*-rearranged infant ALL cells to glucocorticoids. *(this thesis)*

6. The induction of glucocorticoid sensitivity in otherwise resistant *MLL*-rearranged ALL cells will most likely involve the modulation of one or more kinases. *(this thesis)*

7. The fact that in *MLL*-rearranged ALL multiple glucocorticoid resistance mechanisms can be identified does not mean that either one of them is less important. *(this thesis)*

8. The most exciting phrase to hear in science, the one that heralds the most discoveries, is not "Eureka!" (I found it!) but "Hmm, that's funny!". (*Isaac Asimov*)

9. There's a fine line between wrong and visionary. Unfortunately, you have to be a visionary to see it. (*Sheldon Cooper – The big bang theory*)

10. De zwaarste bevalling is toch die van je proefschrift.

11. Het levensgeluk zit daadwerkelijk in de kleinste dingen.