Stellingen behorend bij het proefschrift

'*De Novo* DNA Methyltransferases in Tumorigenesis'

1. *De novo* DNA methyltransferase Dnmt3a acts as a tumor suppressor. (this thesis)

2. *De novo* DNA methyltransferase Dnmt3b promotes tumor progression, but the gene encoding this protein is not a proto-oncogene. (this thesis)

3. Permanent silencing of the *Dnmt3b* locus after birth would decrease the rate of carcinoma formation in humans. (this thesis)

4. Chemical methylating agents promote cancer by inducing DNA damage and mutations, but also protect against cancer by promoting DNA methylation. (this thesis)

5. The development of genome-wide bisulfite sequencing technology was a huge advancement, making it possible to learn more about the role of DNA methyltransferases and DNA methylation in carcinogenesis. (this thesis)

6. Presenting science is a science itself.

7. All universities should have REFS (Reducing and Easing Friction and Stress) programs, as many departments at MIT have.

8. Every person in the Netherlands should be fully informed about regulations on how to apply for euthanasia, to avoid that one might be too late to apply for it.

9. Unfortunately, research into therapeutic cloning will sooner or later lead to reproductive cloning of a human being.

10. Vitamin supplements can have positive and negative effects on overall health.

11. "Giving up was never an option." (Lance Armstrong)

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