

## Propositions (Stellingen)

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1. GRO-seq can be used to obtain genome-wide maps of active regulatory elements that are responsive to signaling pathways (this thesis).
2. The expression levels of eRNAs can predict enhancer activity in a qualitative manner (this thesis).
3. Functional enhancer elements can be identified in an unbiased manner by genetic screens using CRISPR-Cas9 (this thesis).
4. Enhancers are susceptible to small mutations that can impair their function and cause substantial phenotypic alterations (this thesis).
5. The expression of *CDKN1A* is controlled by two non-redundant enhancers that are activated by p53 in response to oncogenic stress (this thesis).
6. The use of positive and negative controls can save both time and resources in scientific research.
7. All scientific discoveries look simple in retrospect; no matter how difficult it was to achieve them.
8. The experiments that teach you the most are the ones that do not go the way you expect (Judah Folkman).
9. Theories are meant to be disproven.
10. It's much more interesting to live not knowing than to have answers which might be wrong (Richard Feynman).
11. Reality must always take precedence over belief, because Nature cannot be fooled.