

Stellingen

behorende bij het proefschrift

TFIIH: at the crossroads of cancer and ageing

1. In contrast to a wide spread notion the mouse *can* be a very valid model organism for human disorders (*de Boer et al., Mol. Cell 1, 981,1998; this thesis*).
2. The rate of ageing in TTD and XPCS depends on the extent of the defect in the DNA repair machinery (*this thesis*).
3. For understanding phenotypes of human recessive diseases, both alleles should be taken into account when gene products from both alleles are expressed (*this thesis*).
4. Since different cell types can have completely different responses to various stimuli, caution should be taken in generalizing results obtained in one cell type to another cell type or to an organ, tissue or intact organism.
5. Biology is in the transition from a mainly reductionistic approach to an integrating discipline.
6. Epigenetic mechanisms are likely to play a more important role in evolution than generally appreciated.
7. For a successful career in science, good marketing skills are also important.
8. The future in science is in collaboration.
9. Most animal suffering occurs not in research laboratories but in human residences and the food industry.
10. The public image of science would improve if scientists would comb their hair more often and wear proper clothes instead of old sweaters.
11. The next president of the US would preferably represent the interests of the flower industry, not the gun industry.