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Stellingen

behorende bij het proefschrift

WRKY transcription factors involved in PR-1 gene expression in Arabidopsis

1 The general opinion on the W-box as consensus DNA binding sequence for WRKY transcription factors needs reconsideration. (This thesis)

2 DNA-protein binding studies might gain from using the (right) half of the protein. (This thesis)

3 WRKYs with the same lysine for glutamine variation in the DNA-binding domain do not bind to the same DNA sequence. (This thesis)

4 It is likely that WRKYs activate expression of response genes through specific interactions with other transcription factors through their highly variable N-terminal halves. (This thesis)

5 Two recent publications on the mechanism by which NPR1 functions in activation of gene expression present conflicting results (Fu et al., 2012; Wu et al., 2012)

6 AtWRKY18 does not have a pleiotropic effect on multiple signaling pathways as has been proposed by Rushton et al. (2012).

7 The title of the paper by Kidd et al. (2009) suggests a more specific role for transcriptional mediator MED25 than shown by their results.
The finding that low concentrations of salicylic acid and jasmonic acid have a synergistic effect on the expression of PR-1 and PDF1.2 at early time points after treatment is not relevant for these late response genes. (Mur et al., 2006)

To have your PhD on time you need three goods: hypothesis, amount of money and working environment.

Science is like signal transduction. Their pathways are full of crossroads and side tracks and seldom run straight.

The results of first year molecular biological experiments are as unpredictable as Dutch weather.

Science is an asylum of premature and failed ideas.