Stellingen behorende bij het proefschrift:

**Modulation of Synaptic Transmission by Metabotropic Glutamate Receptors and Endocannabinoid Signaling**

1. The suppression of PTZ-induced seizures is mediated via both mGluR1 and mGluR5 receptors.
   
   *Dit proefschrift*

2. Administration of mGluR1 antagonist in the course of kindling development or, alternatively, prior to each learning session in the shuttle-box improves learning performance in kindled animals.

   *Dit proefschrift*

3. Repeated ‘chronic’ inhibition of group I mGluRs during kindling development prevents an enhancement of LTP, whilst a single, acute application of group I antagonists just before LTP recording has no effect.

   *Dit proefschrift*

4. Climbing fiber activity suppresses the induction of presynaptic parallel fiber-LTP at the parallel fiber-Purkinje cell synapses.

   *Dit proefschrift*

5. Climbing fiber activity, which promotes the induction of postsynaptic parallel fiber-LTD, provides a ‘safety lock’ to prevent simultaneous presynaptic LTP induction.

   *Dit proefschrift*

6. Whatever you do will be insignificant, but it is very important that you do it.

   *Mahatma Gandhi (1869-1948)*

7. The brain is a wonderful organ. It starts working the moment you get up in the morning and does not stop until you get into the office.

   *Robert Frost (1874-1963)*

8. I can believe anything, provided that it is quite incredible.

   *Oscar Wilde (1854-1900)*

9. All you need in this life is ignorance and confidence; then success is sure.

   *Mark Twain (1835-1910)*

10. The power of accurate observation is commonly called cynicism by those who have not got it.

    *George Bernard Shaw (1856-1950)*

11. As one thinks, so does one become.

    *Sri Ramakrishna Paramahamsa (1836-1886)*

Raghavendra Yelahanka Nagaraja, Rotterdam, 27 September 2006