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### Action conflict under control: An integrated perspective on action control and its underlying neurophysiological and computational mechanisms

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Stellingen behorende bij het Proefschrift

*Action conflict under Control*

*An integrated perspective on action control and its*

*underlying neurophysiological and computational mechanisms*

A. Dilene van Campen

- I. Physiological inhibition and psychological inhibition are different concepts.
- II. Action control and cognitive control are two sides of the same coin.
- III. Action is not restricted to the motor cortex: a complex brain network triggers actions.
- IV. Activation of the right inferior frontal cortex does not imply inhibition.
- V. An action is a dynamic concept, thus brain related activation is not static but dynamic.
- VI. Delta plot analyses are informative, however not a goal of life.
- VII. The last slope of the delta plot does not reflect response inhibition per se.
- VIII. Fundamental and applied sciences are different, however they go hand in hand and one cannot exist without the other.
- IX. Science is a matter of choices. The perspectives, norms and choices of a scientist determine the direction of finding. Interdisciplinary science can adjust the existing perspectives, norms and choices and leads to new insights by the scientist.
- X. Het Matteüseffect geldt helaas ook in wetenschap.
- XI. Een bewonderenswaardig persoon gaf ooit de stelling “ om zichzelf tegen de verantwoordelijkheid voor de minder plezierige consequenties van hun beleid in bescherming te nemen, rechtvaardigen ambtenaren en wetenschappers in de universitaire bureaucratie zich in toenemende mate met verwijzingen naar ‘de ontwikkeling van boven af’ waaraan zij zelf weinig zouden kunnen veranderen. Dit betreft politieke ontwikkelingen in het algemeen en het beleid om liever tijdelijk dan vastpersoneel aan te stellen in het bijzonder. ” Daar sluit ik mij geheel bij aan.
- XII. Een vrouwenquotum in de wetenschap is onwenselijk maar helaas noodzakelijk.
- XIII. Wetenschap is topsport.
- XIV. Als je het makkelijk kunt zeggen dan hoeft je geen moeilijke woorden te gebruiken.