



Universiteit
Leiden
The Netherlands

The drive to control : how affect and motivation regulate cognitive control

Steenbergen, H. van

Citation

Steenbergen, H. van. (2012, January 17). *The drive to control : how affect and motivation regulate cognitive control*. Retrieved from <https://hdl.handle.net/1887/18365>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/18365>

Note: To cite this publication please use the final published version (if applicable).

The Drive to Control:

How Affect and Motivation Regulate Cognitive Control

Henk van Steenbergen

The research presented in this thesis was supported by a grant (400-05-128) from the Netherlands Organization for Scientific Research (NWO) to Guido Band

Printing of this thesis was supported by:



Biosemi B.V.



Psychology Software Tools, Inc.

Printed by Ipkamp Drukkers B.V. Enschede

Cover design: Henk van Steenbergen en Anne Margriet Euser

© Henk van Steenbergen, 2011

The Drive to Control:

How Affect and Motivation Regulate Cognitive Control

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof.mr. P.F. van der Heijden,
volgens besluit van het College voor Promoties
te verdedigen op dinsdag 17 januari 2012
klokke 13.45 uur

door

Hendrik van Steenbergen

geboren te Gorinchem
in 1981

Promotiecommissie

Promotor: prof.dr. B. Hommel

Co-promotor: dr. G.P.H. Band

Overige leden: dr. R.W. Holland, Radboud Universiteit Nijmegen

prof.dr. W. Notebaert, Universiteit Gent

prof.dr. A.J.W. van der Does

Contents

1. Introduction	7
2. Reward and conflict adaptation	27
3. Electrophysiology of reward and conflict adaptation	37
4. Emotion, arousal, and focused attention	53
5. Mood and conflict adaptation.....	65
6. Humor and conflict adaptation: a neural mechanism	77
7. Depression and conflict adaptation.....	93
8. Task difficulty and conflict adaptation	105
9. Romantic love and focused attention.....	125
10. Discussion.....	135
References	151
Samenvatting.....	173
Dankwoord	183
Curriculum Vitae	187
List of Publications	191

