

RESEARCH OUTPUT

1. PhD Theses

1.a Internally prepared

–

1.b Externally prepared

Müller, M. (June 2007). *Attentional components of postural control* (pp. 128).
Universiteit van Amsterdam. Promotores: M. W. van der Molen, M. Redfern.

1.c Doctorates at other faculties/universities, co-supervised by program members

–

2. Academic Publications

2.1. In refereed journal issued in English

Colzato, L. S., van den Wildenberg, W. P. M., & Hommel, B. (2007). Impaired inhibitory control in recreational cocaine users. *PLoS One*, 2: e1143.

Crone, E. A., & van der Molen, M. W. (2007). Development of decision making in school-aged children and adolescents: Evidence from heart rate and skin conductance analysis. *Child Development*, 78, 1288-1301.

di Blasi, F. D., Elia, F., Buono, S., Ramakers, G. J. A., & di Nuovo S. F. (2007). Relationships between visual-motor and cognitive abilities in intellectual disabilities. *Perceptual and Motor Skills*, 104, 763-772.

Eenshuistra, R. M., Ridderinkhof, K. R., Weidema, M. A., & van der Molen, M. W. (2007). Developmental changes in oculomotor control and working-memory efficiency. *Acta Psychologica*, 124, 139-158.

Forstmann, B. U., Ridderinkhof, K. R., Kaiser, J., & Bledowski, C. (2007). At your own peril: An ERP study of voluntary task set selection processes in the medial frontal cortex. *Cognitive, Affective, & Behavioral Neuroscience*, 7, 286-296.

Frankenhuis, W. E., & Ploeger, A. (2007). Evolutionary psychology versus Fodor: Arguments for and against the massive modularity hypothesis. *Philosophical Psychology*, 20, 687-710.

Huizenga, H. M., Crone, E. A., & Jansen, B. J. (2007). Decision-making in healthy children, adolescents and adults explained by the use of increasingly complex proportional reasoning rules. *Developmental Science*, 10, 814-825.

Huizenga, H. M., Smeeding, H., Grasman, R. P. P. P., & Schmand, B. (2007). Multivariate normative comparisons. *Neuropsychologia*, 45, 2534-2542.

- Huizinga, M., & van der Molen, M. W. (2007). Age-group differences in set-switching and set-maintenance on the Wisconsin Card Sorting Task. *Developmental Neuropsychology*, *31*, 193-215.
- Jansen, B. R. J., Raijmakers, M. E. J., & Visser, I. (2007). Rule transition on the balance scale task: A case study in belief change. *Synthese*, *155*, 211-236.
- Khelifaoui, M., Denis, C., van Galen, E., de Bock, F., Schmitt, A., Houbron, C., Morice, E., Giros, B., Ramakers, G. J. A., Fagni, L., Chelly, J., Nosten-Bertrand, M., & Billuart, P. (2007). Loss of X-linked mental retardation gene oligophrenin1 in mice impairs spatial memory and leads to ventricular enlargement and dendritic spine immaturity. *Journal of Neuroscience*, *27*, 9439-9450.
- le Feber, J., Rutten, W. L., Stegenga, J., Wolters, P. S., Ramakers, G. J. A., & van Pelt, J. (2007). Conditional firing probabilities in cultured neuronal networks: A stable underlying structure in widely varying spontaneous activity patterns. *Journal of Neural Engineering*, *4*, 54-67.
- Quinlan, P. T., van der Maas, H. L. J., Jansen, B. R. J., Booij, O., & Rendell, M. (2007). Re-thinking stages of cognitive development: An appraisal of connectionist models of the balance scale task. *Cognition*, *103*, 413-459.
- Ridderinkhof, K. R., Nieuwenhuis, S., & Braver, T. S. (2007). Medial frontal cortex function: An introduction and overview. *Cognitive, Affective, & Behavioral Neuroscience*, *7*, 261-265.
- Sennvik, K., Boekhoorn, K., Lasrado, R., Terwel, D., Verhaege, S., Korr, H., Schmitz, C., Tomiyama, T., Mori, H., Krugers, H., Joels, M., Ramakers, G. J. A., Lucassen, P. J., & van Leuven, F. (2007). Tau-4R suppresses proliferation and promotes neuronal differentiation in the hippocampus of tau knockin/knockout mice. *The FASEB Journal*, *21*, 2149-2161.
- Somsen, R. J. M. (2007). The development of attention regulation in the Wisconsin Card Sorting Task. *Developmental Science*, *10*, 664-680.
- Tieges, Z., Snel, J., Kok, A., Plat, N., & Ridderinkhof, K. R. (2007). Effects of caffeine on anticipatory control processes: Evidence from a cued task-switch paradigm. *Psychophysiology*, *44*, 561-578.
- van der Heijden, K. A., Smits, M. G., van Someren, E. J. W., Ridderinkhof, K. R., & Gunning, W. B. (2007). Effect of melatonin on sleep, behavior, and cognition in ADHD and chronic sleep-onset insomnia. *Journal of the American Academy of Child & Adolescent Psychiatry*, *46*, 233-241.
- van der Maas, H. L. J., Quinlan, P. T., & Jansen, B. R. J. (2007). Towards better computational models of the balance scale task: A reply to Shultz and Takane. *Cognition*, *103*, 473-479.

- van der Molen, M. J., van Luit, J. E. H., Jongmans, M. J., & van der Molen, M. W. (2007). Verbal working memory in children with mild intellectual disabilities. *Journal of Intellectual Disability Research, 51*, 162-169.
- van Leijenhorst, L., Crone, E. A., & van der Molen, M. W. (2007). Developmental trends for object and spatial working memory: A psychophysiological analysis. *Child Development, 78*, 987-1000.
- van Peer, J. M., Roelofs, K., Rotteveel, M., van Dijk, J. G., Spinhoven, P., & Ridderinkhof, K. R. (2007). The effects of cortisol administration on approach-avoidance behavior: An event-related potential study. *Biological Psychology, 6*, 135-146.
- Visser, I., Raijmakers, M. E. J., & Molenaar, P. C. M. (2007). Characterizing sequence knowledge using online measures and hidden Markov models. *Memory & Cognition, 35*, 1502-1517.
- Wijnen, J. G., & Ridderinkhof, K. R. (2007). Response inhibition in motor and oculomotor conflict tasks: Different mechanisms, different dynamics? *Brain and Cognition, 63*, 260-270.
- Wylie, S. A., Ridderinkhof, K. R., Eckerle, M. K., & Manning, C. A. (2007). Inefficient response inhibition in individuals with mild cognitive impairment. *Neuropsychologia, 45*, 1408-1419.

2.2. Abstracts in refereed journals

- Mandell, D. J., Bennett, A. J., Szeliga, K. T., Pierre, P. J., Suomi, S. J., Grant, K. A., & Friedman, D. P. (2007). Increases in alcohol consumption rates associated with early chronic stress: Is it about alcohol or about consumption? Preliminary evidence. *Alcoholism: Clinical and Experimental Research, 31*, 22A.
- Smeding, H., Huizenga, H. M., Speelman, J. D., Schuurman, P. R., Schmand, B. (2007). Predictors of neuropsychological and psychosocial outcome one year after STN DBS in Parkinson's disease. *Movement Disorders, 22*, S62.
- van de Laar, M., van den Wildenberg, W. P. M., van Boxtel, G. J. M., van der Molen, M. W. (2007). Brain correlates of selective stopping: Playing safe? *Psychophysiology, 44*, S80.
- Ward, S. E., & Mandell, D. J. (2007). Conditional learning among young juvenile *Macaca nemestrina*. *American Journal of Primatology, 69*, S65-S66.

2.3. In refereed journals issued in other languages

- Ramakers, G. J. A., & Ponsioen, A. (2007). Neuropsychologische kenmerken van kinderen en adolescenten met een (lichte) verstandelijke beperking: Profielen in relatie tot etiologie. *Kind en Adolescent, 28*, 119-134.

2.4. Other academic publications

Raijmakers, M. E. J., & Molenaar, P. C. M. (2007). Modelling developmental transitions in neural networks: Bifurcations in an adaptive resonance theory model. In: D. Mareschal, S. Sirois, G. Westermann & M. Johnson (Eds.), *Neuroconstructivism: Perspectives and prospects, Volume 2* (pp. 99-128). Oxford: Oxford University Press.

Visser, I., Schmittmann, V. D., & Raijmakers, M. E. J. (2007). Markov process models for discrimination learning. In: K. van Montford, J. Oud & A. Satorra (Eds.), *Longitudinal models in the behavioral and related sciences* (pp. 337-365). Mahwah (NJ): Lawrence Erlbaum Associates.

3. Professional Publications

Taal, M., & Kok, J. H. (2007). Last-minutemoeders. In: D. M. van Zeben-van de Aa, R. Vecht-van den Bergh, J. Dewispelaere, M. van der Meulen, V. Soyez & G. A. Bakker (red.), *Handboek kinderen en adolescenten, F130*, 1-14.

4. Congress Proceedings

Berkeljon, A., & Raijmakers, M. E. J. (2007). An ART neural network model of discrimination learning. *Proceedings of the IEEE ICDL, Imperial College London*, 11-13 July (6 pages).

Schmittmann, V. D., & Raijmakers, M. E. J. (2007). Development of reversal shift learning. An individual differences analysis. *Proceedings of the IEEE ICDL, Imperial College London*, 11-13 July (6 pages).

5. Popular publications

Huizinga, M. (2007). De ontwikkeling van executieve functies tussen kindertijd en jong-volwassenheid. *Neuropraxis*, 11, 74-82.

Ploeger, A. (2007). Een bron van inspiratie: Over evolutionaire ontwikkelingsbiologie en psychologie. *BLIND! Interdisciplinair digitaal tijdschrift*, 12, <http://www.ziedaar.nl/article.php?id=280>.

Snel, J., Tiegens, Z., & Ridderinkhof, K. R. (2007). Helpt koffie tegen de effecten van alcohol? *BLIND! Interdisciplinair digitaal tijdschrift*, 11, <http://www.ziedaar.nl/article.php?id=271>.

Stallen, M., & Ridderinkhof, K. R. (2007). Diagnostische technieken. In: W. G. van Aken, K. R. Ridderinkhof, F. R. J. Verhey & M. Evenblij (Eds.). *Vergrijzend brein: Wat ouder wordende hersenen met cognitieve vermogens doen. Cahier Bio-Wetenschappen en Maatschappij*, 26, 24-25.

Stallen, M., & Ridderinkhof, K. R. (2007). Vrolijkheid als remedie tegen veroudering. In: W. G. van Aken, K. R. Ridderinkhof, F. R. J. Verhey & M. Evenblij (Eds.). *Vergrijzend brein: Wat ouder wordende hersenen met cognitieve vermogens doen. Cahier Bio-Wetenschappen en Maatschappij*, 26, 27-31.

OTHER PROOFS OF PRODUCTIVITY

6. Editorial positions

6.1. Editorships

Ridderinkhof, K. R.

Cognitive, Affective, and Behavioral Neuroscience (Guest editor, special issue, 7)

6.2. Memberships of editorial boards

Raijmakers, M. E. J.

Infant and Child Development

Ridderinkhof, K. R.

Member Editorial Board of Cognitive, Affective, and Behavioral Neuroscience

Van der Molen, M. W

Member Editorial Board of Acta Psychologica

Member Editorial Board Frontiers in Human Neuroscience

Member Editorial Board Neuropraxis

7. Organisation of conferences and symposia

Huizinga, M. (2007). *Developmental social cognitive neuroscience*. Local organization of the 37th Annual Meeting of the Jean Piaget Society. Amsterdam, May 31st– June 2nd.

Huizinga, M., & Don, J. (2007). *Language: acquisition, processing and disorders*. Coordination of the CSCA Summerschool: June 18th– July 6th.

Van den Wildenberg, W. P. M., Forstmann, B. U., & Burle, B. (2007). *Perspectives on the role of inhibition in cognitive control*. Bi-annual meeting of ESCoP, Universite de Provence, Marseille, 29 August-1 September .

Van den Wildenberg, W. P. M., van Wouwe, N., & Ridderinkhof K. R. (2007). *Basal ganglia and cognition: Perspectives from neuroscience and psychopathology*. International workshop, UvA, 8 June 2007 (partly funded by EPOS and NWO).

Visser, I., & Jansen, B. (2007). *The application of discrete latent variable models in developmental psychology*. Organization of a double symposium at the 2007 Jean Piaget Society Meeting, Amsterdam, April. Meeting of the American Society of Primatologist, Planning Committee.

Visser, I., & Raijmakers, M. E. J. (2007). Organization of the FAR workshop for the “From associations to rules” project, January, Amsterdam.

8. Scientific Awards

–

9. Research Grants

de Boo, G. M., Prins, P. J. M., van Manen, T., & Huizenga, H. M. (2007). ZonMw grant for ‘*Ontwikkeling en toetsing van een multisysteem interventieprogramma voor kinderen met gedragsproblemen uitgevoerd op school.*’

Raijmakers, M. E. J., & van der Maas, H. L. J. (2007). Talentenkracht, VTB grant for ‘*Causaal redeneren en experimenteren door kinderen van 3 tot 5 jaar*’ (AiO-positie); ‘*Kwartetten en kinderlogica*’ (PostDoc-positie).

Ridderinkhof, K. R., & van den Wildenberg, W. P. M. (March 2007). NWO grant (Open Competitie) for ‘*The dynamics of inhibitory control over behavior: A motor-TMS approach,*’ Aio project.

Ridderinkhof, K. R., & van Winden, F. (April 2007). NWO grant (Cognitie Programma – Pilot Projecten) for ‘*Never trust a stranger – Novel model-based fMRI approaches in linking economic decision making to trust and social-affective ties,*’ Postdoc project.

Wagenmakers, E.-J., & Forstmann, B. U. (April 2007). NWO grant (Cognitie Programma – Pilot Projecten) for ‘*The neural correlates of strategic decision threshold,*’ Postdoc-project.

10. Memberships of Scientific Committees

Van der Molen, M. W.

Chairman Dutch Developmental Psychology Society (VNOP)

Chairman Initiative Group European Society Affective and Cognitive Neuroscience (ESCAN)

Scientific Director Experimental Psychology Research School (EPOS)

11. Visiting professorships and invited lectures

Visiting professorships

van der Molen, M. W. (2007). Visiting professorship Department of Psychology and Educational Sciences, Vrije Universiteit Brussel, Belgium.

Keynote speeches and invited lectures at conferences

Mandell, D. J. (2007). *Using computer-based testing to study cognitive development: Advantages and Disadvantages*. Invited lecture, National Institutes of Mental Health and National Institutes of Child Health, Developmental Psychobiology Division.

Mandell, D. J. (2007). *A comparative approach to the study of executive functioning skills*. Invited lecture, Mercer State (Macon, Georgia, USA), Department of Psychology.

Invited lectures at universities

–

Other Research

Social Cognitive Development

Professor Oppenheimer's research focuses on social cognitive development and is part of the Institute for the Study of Education and Human Development (ISED), the Cross-Cultural Research Program on Children and Peace (CRPCP), and the Cross-National Research Project on the Development of Enemy Images. The main accomplishments and outcomes of this research are briefly summarized below.

The main themes of this research are:

Development of the Self-Concept

The organization and structure of self-relevant information across age and in relation to behavior regulation. In addition, the role of society, parenting, and friendship relations in the development of self, relevant information and its impact on the development of belief structures and feelings of well-being.

Development of Enemy Images

The development of the understanding of enemy and the emergence of enemy images. In addition,, the development of the understanding of terrorist and the role of cross-generation transfer of stereotypes and negative emotions toward a particular group or nation.

General Social-Cognitive and Cultural Issues

The development of personal and social responsibility and cultural variables in development.

In 2007 the program resulted in the following international publications:

Oppenheimer, L. (2007). The culture of peace, but what about the culture of war? The voice of children and adolescents. *Bridges*, 14, 63-81.

Oppenheimer, L. (2007). Integrative and non-integrative processes with the self-system. In: E. Grünewald & W. E. Frankenhuis (Eds.), *Researching the self: Interdisciplinary perspectives* (pp. 130-152). Newcastle, UK: Cambridge Scholars Publishing.

Oppenheimer, L. (2007). Me, myself, and I: Some reflections. In: E. Grünewald & W. E. Frankenhuis (Eds.), *Researching the self: Interdisciplinary perspectives* (pp. 203-205). Newcastle, UK: Cambridge Scholars Publishing.

Membership of editorial boards

Professor Oppenheimer

Conflict & Communication Online

External Evaluator for the Academy of Finland: Research Program 123468

International Journal of Behavioral Development

Kadin/Woman 2000

Invited Lecture

University of Cyprus, Nicosia: October 22-25: Lectures: *Are terrorists enemies? Children's conceptions of enemy and terrorist.* (23.10.07)
Development and structure of the self system (24.10.07)

Eastern Mediterranean University, Famagusta: October 28-30: Lecture: *Are terrorists enemies? Children's conceptions of enemy and terrorist.* (30.10.07)

Organization of Professional Meetings

Organization and chairing Second Expertmeeting Cross-National Research Project on the Development of Enemy Images. Amsterdam: May 28-29. (€ 3000).

Finally, Louis Oppenheimer is co-director of the Cross-Cultural Research Program on Children and project leader of the Cross-National Research Project on the Development of Enemy Images.

