

RESEARCH OUTPUT

1. Academic publications

1.a.1 In refereed journals issued in English

- Bermond, B., Righart, R., Ridderinkhof, K. R., & Moormann, P. P. (2008). Alexithymia and the brain potential P300. *Netherlands Journal of Psychology*, *64*, 65-77.
- Borsboom, D., & Visser, I. (2008). Semantic cognition or data mining? *Behavioral and Brain Sciences*, *31*, 714-715.
- Cohen, M. X., Ridderinkhof, K. R., Haupt, S., Elger, C. E., & Fell, J. (2008). Medial frontal cortex and response conflict: Evidence from human intracranial EEG and medial frontal cortex lesion. *Brain Research*, *1238*, 127-142.
- Colzato, L. S., Bajo, M. T., Wildenberg, W. P. M van den, Paolieri, D., Nieuwenhuis, S. T., Heij, W. la, & Hommel, B. (2008). How does bilingualism improve executive control? A comparison of active and reactive inhibition mechanisms. *Journal of Experimental Psychology. Learning, Memory, and Cognition*, *34*, 302-312.
- Colzato, L. S., Wildenberg, W. P. M van den, & Hommel, B. (2008). Reduced spontaneous eye blink rates in recreational cocaine users: Evidence for dopaminergic hypoactivity. *PLoS ONE*, *3*, e3461.
- Colzato, L. S., Wildenberg, W. P. M van den, & Hommel, B. (2008). Losing the big picture: How religion may control visual attention. *PLoS ONE*, *11*, e3679.
- Duijvenvoorde, A. C. K. van, Zanolie, K., Rombouts, S. A. R. B., Raijmakers, M. E. J., & Crone, E. A. (2008). Evaluating the negative or valuing the positive? Neural mechanisms supporting feedback-based learning across development. *Journal of Neuroscience*, *28*, 9495-9503.
- Field, M., Schoenmakers, T., & Wiers, R. W. (2008). Cognitive processes in alcohol binges: A review and research agenda. *Current Drug Abuse Reviews*, *1*, 263-279.
- Forstmann, B. U., Dutilh, G., Brown, S., Neumann, J., Cramon, D. Y. von, Ridderinkhof, K. R., & Wagenmakers, E. -J. (2008). Striatum and pre-SMA facilitate decision-making under time pressure. *Proceedings of the National Academy of Sciences of the USA*, *105*, 17538-17542.
- Forstmann, B. U., Jahfari, S., Scholte, H. S., Wolfensteller, U., Wildenberg, W. P. M van den, & Ridderinkhof, K. R. (2008). Function and structure of the right inferior frontal cortex predict individual differences in response

- inhibition: A model-based approach. *Journal of Neuroscience*, 28, 9790-9796.
- Forstmann, B. U., Wildenberg, W. P. M van den, & Ridderinkhof, K. R. (2008). Neural mechanisms, temporal dynamics, and individual differences in interference control. *Journal of Cognitive Neuroscience*, 20, 1854-1865.
- Forstmann, B. U., Wolfensteller, U., Derrfuss, J., Neumann, J., Brass, M., Ridderinkhof, K. R., & Cramon, D. Y. von (2008). When the choice is ours: Context and agency modulate the neural bases of decision-making. *PLoS ONE*, 3, e1899.
- Gaal, S. van, Ridderinkhof, K. R., Fahrenfort, J. J., Scholte, H. S., & Lamme, V. A. F. (2008). Frontal cortex mediates unconsciously triggered inhibitory control. *Journal of Neuroscience*, 28, 8053-8062.
- Grenard, J. L., Ames, S. L., Wiers, R. W., Thush, C., Sussman, S., & Stacy, A. W. (2008). Working memory moderates the predictive effects of drug-related associations. *Psychology of Addictive Behaviors*, 22, 426-432.
- Kreukels, B. P. C., Dam, F. S. A. M. van, Ridderinkhof, K. R., Boogerd, W., & Schagen, S. B. (2008). Persistent neurocognitive problems after adjuvant chemotherapy for breast cancer. *Clinical Breast Cancer*, 8, 80-87.
- Kreukels, B. P. C., Hamburger, H. L., Ruiters, M. B. de, Dam, F. S. A. M. van, Ridderinkhof, K. R., Boogerd, W., & Schagen, S. B. (2008). ERP amplitude and latency in breast cancer survivors treated with adjuvant chemotherapy. *Clinical Neurophysiology*, 119, 533-541.
- Mandell, D. J., & Sackett, G. P. (2008). A computer touch screen system and training procedure for use with primate infants: Results from pigtail monkeys (*Macaca nemestrina*). *Developmental Psychobiology*, 50, 160-170.
- Ploeger, A., Maas, H. L. J. van der, & Raijmakers, M. E. J. (2008). Is evolutionary psychology a metatheory for psychology? A discussion of four major issues in psychology from an evolutionary developmental perspective. *Psychological Inquiry*, 19, 1-18.
- Ploeger, A., Maas, H. L. J. van der, & Raijmakers, M. E. J. (2008). Is evolutionary developmental biology a viable approach to the study of the human mind? Reply. *Psychological Inquiry*, 19, 41-48.
- Straatemeier, M., Maas, H. L. J. van der, & Jansen, B. R. J. (2008). Children's knowledge of the earth: A new methodological and statistical approach. *Journal of Experimental Child Psychology*, 100, 276-296.
- Veen, F. M. van der, Mies, G. W., Molen, M. W. van der, & Evers, E. A. (2008). Acute tryptophan depletion in healthy males attenuates phasic cardiac slowing but does not affect electro-cortical response to negative feedback. *Psychopharmacology*, 199, 255-263.

Wagemans, J., Winter, J. de, Beeck, H., Ploeger, A., Beckers, T., & Vanroose, P. (2008). Identification of everyday objects on the basis of silhouette and outline versions. *Perception*, *37*, 207-244.

1.a.2 In refereed journals issued in other languages

Houben, K., Schoenmakers, T., Thush, C., & Wiers, R. W. (2008). Impliciete cognitie en verslaving. *Gedragstherapie*, *41*, 169-182.

Thush, C., & Wiers, R. W. (2008). Een dubbele kijk op minder drinken. De invloed van expliciete en impliciete alcoholgerelateerde processen en vroege interventie bij jongeren. *Psychologie & Gezondheid*, *36*, 273-283.

Wiers, R. W. (2008). Een noodlottige zelfoverschatting van het bewustzijn. Het ontstaan van verslavingsgedrag bij jongeren. *De Psycholoog*, *43*, 210-217.

1.b In other journals

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1.c Book chapters

Raijmakers, M. E. J. (2008). Modelling cognitive 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.

Ramakers, G. J. A. (2008). Basic neuroscience in individual differences in brain and cognitive development. In I. van Keulen (Ed.), *Brain visions. How the brain sciences could change the way we eat, learn, communicate and judge* (pp. 291-301). The Hague, The Netherlands: STT Netherlands, Study Center for Technology Trends.

1.d Edited books

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2. Monographs

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3. Ph.D. Theses

3.a Internally prepared

Ploeger, A. (December 2008). *Towards an integration of evolutionary psychology and developmental science: New insights from evolutionary developmental biology* (pp. 154). Universiteit van Amsterdam. Promotor: H. L. J. van der Maas; co-promotores: F. Galis & M. E. J. Raijmakers.

3.b Externally prepared

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

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4. Professional publications

Crone, E. A., & Molen, M. W. van der (2008). Neurocognitive development of performance monitoring and decision making. In Ch. A. Nelson & M. Luciana (Eds.), *Handbook of developmental cognitive neuroscience (Second edition)* (pp. 883-895). Cambridge, MA: The MIT Press.

Ridderinkhof, K. R., Stallen, M., & Winden, F. van (2008). Never trust a stranger - Work on ties that bind. *VOX: Research-based policy analysis and commentary from leading economists, Oct. 13th*.

Wiers, R. W., & Engels, R. (2008). Middelennisbruik en verslaving. In P. Prins & C. Braet (Eds.), *Handboek klinische ontwikkelingspsychologie* (pp. 529-553). Houten: Bohn Stafleu van Loghum.

5. Popular publications

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OTHER PROOFS OF PRODUCTIVITY**6. Editorships**

Molen, M. W. van der
Neuropraxis

Wiers, R. W.
Addiction (Senior Editor)

7. Organisation of conferences and symposia

Mandell, D. J. (2008). Planning and organization committee for the *2008 Meeting of the American Society of Primatologists*, West Palm Beach FL, USA, June.

Mandell, D. J. (2008). Reviewer for the *Society for Research in Child Development Biennial Meeting*, Denver CO, USA, April.

Raijmakers, M. E. J., & Huizinga, M. (2008). Organisation of the *Inaugural conference of the Dutch Organization of Developmental Psychology*, Wageningen, May.

Taal, M., & Snellings, P. (2008). Organisation of the symposium *Schoolpsychological Interventions for children with learning problems for the 30th ISPA Conference*. Utrecht, the Netherlands, July.

Weltevreden, G. M. (2008) Organisation of the congress *Sport psychology, from science to practice, for the Dutch Society of Sport Psychology*, Amsterdam, The Netherlands, February.

8. Research grants

Burle, B., Wildenberg, W. P. M. van den, & Forstmann, B. U. (2009-2010) NWO van Gogh Grant for '*Inhibition or suppression in interference tasks? A combined neuroimaging approach to study cognitive control.*'

Forstmann, B. U. (1.11.2008-31.10.2012). NWO Veni grant for '*Structural and neural correlates of individual differences in inhibition across the adult lifespan.*'

Wiers, R. W. (2009-2013) NWO VICI Grant for '*Implicit Cognition and Addiction: Changing perspectives and new interventions.*'

9. Keynote speeches at conferences

Visser, I. (September 2008). *A framework for modeling discrete change*. Invited keynote lecture at the Individual Pathways of Change conference, PennState University, State College, Pennsylvania

10. Collaborations

Forstmann, B. U. (2008 - present). Collaboration with Cools, R.; F.C. Donders Institute, Nijmegen, the Netherlands and Ivry, R.; University of California, Berkeley, USA. *The anatomical and neurochemical foundations of decision-making under time pressure.*

Forstmann, B. U. (2008 - present). Collaboration with Cramon, D. Y. von; Max Planck Institute for Neurological Research, Cologne, Germany. *Structural correlates of individual differences in decision-making processes across the adult lifespan.*

Forstmann, B. U. (2008 - present). Collaboration with Turner, B. von, Lohmann, G. & Neumann, J.; Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany. *Structural correlates of individual differences in inhibition across the adult lifespan.*

- Mandell, D. J. (2007 - present). Collaboration with G.P. Sackett & T. Burbacher; The Washington National Primate Research Center, Seattle, WA, USA. *Investigating the role of early infant vaccinations on the development of Autism-like behavior in rhesus monkeys.*
- Molen, M. W. van der (1983 - present). Collaboration with Jennings, J. R.; WPIC, University of Pittsburgh, Pittsburgh. *Cardiac concomitants of information processing.*
- Molen, M. W. van der (2004 - present). Collaboration with Boxtel, G. J. M. van; Faculteit Sociale en Gedragwetenschappen. *Electrocortical and EMG analysis of S-R compatibility.* Universiteit van Tilburg, Tilburg.
- Molen, M. W. van der (2005 - present). Collaboration with Veen, F. M. van der; Erasmus Medical Center, Rotterdam. *Feedback processing in depression.*
- Molen, M. W. van der (2006 - present). Collaboration with Crone, E.; Faculteit Sociale Wetenschappen, Universiteit Leiden, Leiden. *Developmental change in decision making.*
- Ploeger, A. (2004 - present). Collaboration with Galis, F.; Department of Biology, Leiden University. *An evolutionary developmental perspective on mental disorders.*
- Raijmakers, M. E. J., & Visser, I. (2005 - present). Collaboration with Lea, S. E. G. & Wills, A. J.; School of Psychology, University of Exeter. *A comparative analysis of learning.*
- Raijmakers, M. E. J., & Visser, I. (2005 - present). Collaboration with Pothos, E. M.; Department of Psychology, University of Wales, Swansea, UK. *Latent groups in implicit learning.*
- Wiers, R. W. H. J. (1996 - present). Collaborations with Sher, K. and colleagues; University of Missouri at Columbia. *Development of addictive behaviors.*
- Wiers, R. W. H. J. (2001 - present). Collaborations with Stacy A. and his research group (Ames, Grenard); University of Southern California (USC-LA). *NIDA – N.W.O. grant implicit cognition and addiction.*
- Wiers, R. W. H. J. (2003 - present). Collaborations with Houwer, J. de; University of Gent. *Implicit cognition and health psychology*, special issue Journal Behavior Therapy and Experimental Psychiatry.
- Wiers, R. W. H. J. (2003 - present). Collaborations with Jones, B.; University of Glasgow. *Assessment strategies for attentional bias in alcohol/drug use.*
- Wiers, R. W. H. J. (2005 - present). Collaborations with Cox, M.; University of Bangor. *Changing implicit cognitive processes in addiction.*

- Wiers, R. W. H. J. (2006 - present). Collaborations with Nosek, B.; University of Virginia. *Implicit cognition assessment over internet.*
- Wiers, R. W. H. J. (2006 - present). Collaborations with Field, M.; University of Liverpool. *Attentional bias and acute alcohol effects.*
- Wiers, R. W. H. J. (2006 - present). Collaborations with Engels, R., Vorst, H. van der, Pieters, S.; Radboud Universiteit Nijmegen. *Stress and alcohol use in adolescence.*
- Wiers, R. W. H. J. (2007 - present). Collaborations many clinics in The Netherlands and abroad (e.g. Salus Klinik, Lindow, Dr. Lindenmeyer). *Test of new behavioral modification techniques for addictive behaviors.*
- Wiers, R. W. H. J. (2008 - present). Collaborations with MacLeod, C. & Stritzke, W.; University of Western Australia, Ph.D. project Jason Sharabee. *Mechanisms underlying attentional bias for alcohol.*
- Wiers, R. W. H. J. (2008 - present). Collaborations with Houben, K., Roefs, A., Havermans, R., Jansen, A., Vries, H. de & Elffadali, I.; Universiteit Maastricht. *Implicit cognition and psychopathology.*
- Wildenberg, W. P. M. van den (2002 - present). Collaboration with Burle, B; Laboratoire de Neurobiologie de la Cognition, CNRS et Université de Provence, Marseille. *Neurobiology of cognitive control.*
- Wildenberg, W. P. M. van den (2005 - present). Collaboration with Wylie, S.A; Neurology Department, University of Virginia. *Cognitive deficits in Parkinson's disease.*
- Wildenberg, W. P. M. van den (2005 - present). Collaboration with Boxtel, G.J.M. van; Psychonomie, Universiteit van Tilburg. *Psychophysiology of inhibitory control.*

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 2008 the program resulted in the following international publication:

Oppenheimer, L., & Mandemaker, E. (2008). Children's conceptions of terrorists: Exploratory studies. *Peace and Conflict: Journal of Peace Psychology, 14*, 193-213.

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.

