

Curriculum Vitae

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Education

1977 - 1983 Atheneum-B, Roncalli Scholengemeenschap, Bergen op Zoom, the Netherlands
1983 -1988 (Medical) Biology, Utrecht University, Utrecht, the Netherlands.
1985 -1992 Medicine, Utrecht University, Utrecht, the Netherlands. Internships in France, Zimbabwe and Nigeria.
1994 - 1999 Residency in Psychiatry, University Medical Center Utrecht (Prof dr. R. Kahn).
1998 European Certificate in Mood and Anxiety Disorders (currently the International Masters in Affective Neuroscience).
1999 – 2005 Research training program of the Rudolf Magnus Institute of Neuroscience, Utrecht, the Netherlands.
2005 Doctorate in Medicine, Utrecht University, Rudolf Magnus Institute for Neuroscience. Supervisors: Prof.dr. R. Kahn and Prof.dr. H. Westenberg
Title of Thesis: 'Windows on the brain'. Neuroimaging studies in obsessive-compulsive disorder.

Professional experience

1988-1989 University Council Utrecht University
1992-1994 Military Physician, Section for Individual Counselling, Den Bosch, The Netherlands
1999-2002 Supervisor Outpatient clinic and Day clinic for Anxiety and Obsessive-Compulsive disorders, University Medical Center Utrecht. Researcher Anxiety and Neuroimaging Units.
2002 – present Senior staff member, Associate Professor of Psychiatry, Department of Psychiatry, Leiden University Medical Center, Leiden, the Netherlands.

Present clinical activities

- Supervising the outpatient clinic for Anxiety, Obsessive-Compulsive and Body Dysmorphic Disorders. Supervising the psychiatry team for the multidisciplinary Neuropsychiatric SLE and scleroderma outpatient clinics.
- Chairing the weekly evaluation of intakes and treatments of the outpatient clinics.
- Member of the team for electroconvulsive treatment (ECT).
- Development and update of the Mental Health Provider Rivierduinen-LUMC programs of care for pharmacotherapy and psychotherapy of anxiety disorders.

Present teaching activities

- Coordinator of the Psychiatry curriculum for students at the faculty of Medicine
- Teaching in the Psychiatry curriculum
- Teaching in the curriculum for Biomedical Sciences
- Coordinating the Psychiatry curriculum for students combining Biomedical Sciences and Medicine.
- Colloquia in the Frontiers of Science course and the elective course psychiatry.
- Participating in the interfaculty Minor 'Brain and Cognition'.
- Lecturing at the Pre-University College of Leiden University.
- Expert colloquia in the curriculum for residents in psychiatry in the Hague-Leiden Residency Program. (Haags-Leids Opleidings Consortium Psychiatrie).
- Chairing the Critically Appraised Topic (CAT) sessions with the residents of GGZ Rivierduinen-LUMC.
- Chairing clinical presentations.

- Supervising interns and residents in psychiatry on a daily basis.
- Postgraduate educational activities.

Research activities

Scientific foci and activities

My research focuses on the neurobiology, phenomenology and treatment of mood, anxiety, somatoform, and stress related disorders (MASH), in two major research lines: psychiatric neuroimaging and routine outcome monitoring (ROM), and in a number of smaller ones.

I have a strong preference for dimensional, multidisciplinary, developmental and translational approaches, for which the collaborations within the LUMC, within Leiden University, and with the Regional Mental Health provider 'Rivierduinen' provide excellent opportunities. Many of the aforementioned approaches are still underused in the field of psychiatry, both on a national and international level.

Psychiatric Neuroimaging

Psychiatric Neuroimaging projects are performed in close collaboration with the Neuroimaging section (Prof. M. van Buchem) of the department of Radiology of the LUMC. I am the principal investigator for psychiatric neuroimaging projects in this section. Most psychiatric neuroimaging projects are embedded within the interfaculty Leiden Institute for Brain and Cognition..

NESDA (Netherlands Study on Depression and Anxiety)-MRI project

Doctorate projects:

- M.J. van Tol, 2005-2011. Topic: Functional and structural abnormalities in affective disorders. Thesis: Mood Related Insights. Functional and structural MRI studies in depression and anxiety. Cum laude
- S. Woudstra, 2008-2012. Topic: Genetic neuroimaging.
- N. Pannekoek, 2010-2013. Topic: Novel imaging approaches in affective disorders.

Involved as co-investigator in other NESDA-MRI projects:

- I. Veer/S. Rombouts (LUMC): resting state abnormalities in affective disorders.
- R. Demenscu/ A. Aleman (UMCG): Neural basis of emotion processing in depression and anxiety.
- E. Opmeer/ A. Aleman (UMCG): Genetic and longitudinal MRI studies.
- S. Sjoerds/ D. Veltman (VUMC): Neurobiological factors in alcohol abuse: MRI studies.
- E. van Someren (VuMC): MRI correlates of sleep abnormalities
- A. van Harmelen/ B. Elzinga (Clinical Psychology, LU): Impact of childhood emotional abuse on brain structure and function.
- M. Molendijk/B. Elzinga (Clinical Psychology, LU): Genetic vulnerabilities for childhood emotional trauma.
- H. Stevens/K. Roelofs (Clinical Psychology, LU): structural and functional MRI correlates of neuroticism.

Dutch National Initiative Brain and Cognition

Doctorate projects:

- S. van der Werff, 2010- 2014. Topic: Stress resilience and vulnerability.
- P. Vahl, 2008-2012. Topic: Structural and functional MRI abnormalities in adolescents with conduct disorder
- M. Aghani, 2011-2015. Topic: Empathy related brain activity in aggressive conduct disorder and autistic individuals
- E. Klapwijk, 2011-2015: Topic: Empathy related brain activity in aggressive conduct disorder and autistic individuals.

EPISCA (Emotional Pathways in Clinical Adolescents).

Collaboration with Prof. R.Vermeiren, Curium-LUMC, and Prof. E. Crone, Developmental Psychology

Doctorate projects:

- P. Meens, 2007-2012. Topic: Functional and structural MRI abnormalities in internalizing disorders.
- B. van der Bulk, 2009-2013. Topic: Longitudinal effects and effects of treatment

- M. Rinne, 2008-2014. Topic: Functional and structural abnormalities after trauma

Other neuroimaging projects:

- Arnhem ECT study. oJ. van Waarde, 2008-2012. Topic: MRI predictors of ECT threshold and outcome.
- Project 'MRI abnormalities and psychopathology in the aftermath of neuroendocrine disorders. Co-PI and daily supervision. Collaboration with Departments of Endocrinology (Pereira), Radiology.
- The development of resting state fMRI of the brain for drug research (PI Rombouts). Collaboration with the Center for Human Drug Research and Radiology.
- Cognitive and neural effects of ARA290. PI van der Does. Collaboration with Clinical Psychology, Anaesthesiology and Department of Psychiatry University of Oxford, UK.

Routine Outcome Monitoring and other epidemiological and clinical projects

Daily supervision of four doctorate projects in ROM, in collaboration with GGZ Rivierduinen.

- R. van der Lem, 2007-2012. Topic: Outcome of treatments in routine clinical practice.
- E. van Fenema, 2007-2012. Topic: Implementation of guidelines in routine clinical practice.
- M. van Noorden, 2007-2012 (October). Topic: Depression in routine psychiatric care.
- M. den Hollander-Gijsman, 2006-2012. Topic: Dimensional approaches of common mental Disorders

Others

- H. du Mortier, 2009 -2014. Topic: Phenomenology of OCD.
- F. Verhoeven, 2008-2012: Topic: Biology and psychology of the aggressive subtype of depression. Collaboration with Prof W. van der Does, Clinical Psychology, LU.
- Psychopathology in autoimmune disorders. Collaboration with Rheumatology, Neurology and Radiology.

Neurobiological and pharmacological projects

- Personalised medicine: the use of pluripotent stemcells in psychiatry. Collaboration with Human Genetics and Molecular Cell Biology. Embedded in the Translational Neurosciences profile area of the LUMC
- Cannabis modulation of the link between dopamine and creativity. PI Hommel. Cognitive Psychology, LU.
- Neurocognition and monoaminergic systems. Several projects PI Nieuwenhuis. Cognitive Psychology, LU.
- The effects of 40 mg hydrocortisone on mental functions. PI Putman, Clinical Psychology, .LU
- The effects of oxytocin on implicit empathic behaviour. PI Tollenaar, Clinical Psychology, LU
- Fludrocortisone and emotional information processing. PI's van der Does, Clinical Psychology, LU, and de Rijk, Dynacort.

Other local and national collaborations

- STERK (Screening & Training: Enhancing Resilience in Kids). Multicentre prevention trial in the high risk offspring from adults with affective disorders.
- NESDO (Netherlands Study on Depression in Old age)
- NOCDA (Netherlands Obsessive Compulsive Disorder Association)
- Member of the LSAN (Leiden Social Anxiety Network)
- Member of LINC (Leiden Interdisciplinary Network Child Maltreatment)
- National Initiative Brain and Cognition Initiative, Societal Innovation and Social Safety. Collaborations with groups of at the University Maastricht (Smeets) and TU Delft (Nierinkx).
- European Population Imaging Infrastructure, proposal for the Netherlands

International collaborations

- European Anxiety Disorders Research Network (ADRN). Collaboration of twelve European research groups.
- European Imaging Network.
- European Suicide Network.
- Obsessive-Compulsive and Related Disorders Network.
- Stress resilience and vulnerability: Prof. D. Baldwin, University of Southampton, UK. Dr J. Pruessner, McGill University, Montreal, Canada.

- Implementation of guidelines in routine clinical practice: Prof. M. Bauer, Harvard Medical School, Harvard, USA.
- Outcome and assessment in routine clinical settings: Prof. R. Uher, Kings College, London and University of Halifax, Canada
- European and South African Research Network in Anxiety Disorders (EUSARNAD)
- International Social Anxiety Disorders Consortium

Other (international) academic activities

- Expert in the FP-7 Roadmap for Mental Health in European Research (ROAMER) initiative.
- Member of the Psychopharmacology section of the World Psychiatric Association.
- Member of the workgroup for the 2011 revision of the Anxiety Disorders Guideline of the British Association for Psychopharmacology (BAP).
- Participating in expert meetings with patient organisations, industrial partners and other stakeholders in research and patient care.
- Reviewer for several national and international journals, including journals ranking in the top five for psychiatry like the Archives of General Psychiatry, Biological Psychiatry and the American Journal of Psychiatry.
- Grant-reviewer for the Netherlands Organisation for Scientific Research (NWO), the Netherlands Organisation for health research and development (ZonMw) and the Dutch Brain Foundation (Hersenstichting Nederland).
- Member of the editorial board of *Psychiatrienet.nl/eu* and *Psychiatrie Actueel*.

Memberships of national and international scientific organisations

1994-present	Member, Dutch Psychiatric Association
1999-present	Member, American Psychiatric Association
1999-present	Member, European College of Neuropsychopharmacology
2001-present	Member, Organisation for Human Brain Mapping
2005-present	Member, European Psychiatric Association
2008-present	Fellow, International Society for Affective Disorders
2010-present	Member, British Association for Psychopharmacology
2010-present	Member, World Psychiatric Organisation

Selected Publications in the last 2 years (see also Pubmed)

- van der Lem, R., de Wever, W, **van der Wee, N.**, van Veen, T., Zitman, F. Generalizability of psychotherapy trials in Major Depressive Disorder to routine outpatient practice. *BMC Psychiatry, in press*
- Rosalind van der Lem, Purdey M. Stamsnieder, **Nic J.A. van der Wee**, Tineke van Veen and Frans G. Zitman. Influence of socio-demographic and socio-economic features on patient selection and treatment outcome in RCTs versus daily psychiatric practice. (van der Lem and Stamsnieder share first authorship) *Social Psychiatry, in press*
- Z. Sjoerds, MJ van Tol, W. van den Brink, **N. van der Wee**, M. van Buchem, A. Aleman, B. Penninx, D. Veltman. Family history of alcohol dependence modulates functional neurophysiology in mood/anxiety disorders. *Psychological Medicine*
- E.J.M. Zirkzee, G.M. Steup-Beekman, E. L. E. M. Bollen, R.C. Van der Mast MD, **N.J.A. Van der Wee** E. Baptist, T.M.Slee, M.V. Huisman, H.A.M. Middelkoop, J. Luyendijk, M.A. Van Buchem, T.W.J. Huizinga. A prospective study on clinical phenotypes in neuropsychiatric systemic lupus erythematosus (NPSLE); multidisciplinary approach to diagnosis and therapy. *the Journal of Rheumatology, in press.*
- N. Pannekoek, I. Veer, M.J. van Tol, R. Demenescu, A. Aleman, D. Veltman, S. Rombouts, F. Zitman, **N. van der Wee**. Aberrant connectivity in panic disorder; a resting state fMRI study. *Journal of Affective disorders, in press*
- Pannekoek, N., Veer, I., van Tol, M., van Buchem, M., Aleman, A., Veltman, D., Zitman, F., Rombouts, S., **van der Wee, N.** Aberrant Resting state connectivity in social anxiety disorder *European Neuropsychopharmacology, in press.*
- M.van Noorden, E. van Fenema, N. van der Wee, E. Giltay and F. Zitman. Predicting outcome of depression using the depressive symptom profile: The Leiden Routine Outcome Monitoring Study. *Depression and Anxiety, in press.*

- S. Woudstra, Z. Bochdanovits, M.J. van Tol, **N. van der Wee**, A. Aleman, F. Zitman, W. Hoogendijk and D. Veltman. Influence of the PICLO risk allele on cognitive and emotional processing; an fMRI study. *Translational Psychiatry*, in press.
- Van Fenema E, **van der Wee** N, Giltay E, Zitman F. Vitality predicts level of guideline concordant care in routine treatment of mood, anxiety and somatoform disorders. *Journal of Evaluation in clinical practice*, in press.
- van Fenema E, M. van Noorden, **N.J.A. van der Wee**, E. Giltay, E. Onstein and F. Zitman. Predictors of non-response in outpatients with depressive, anxiety and somatoform disorders. *Journal of Affective disorders*, in press.
- Anne-Laura van Harmelen, Marie-José van Tol, Liliana, R Demenescu, **Nic J.A. van der Wee**, Dick J. Veltman, André Aleman, Philip Spinhoven, Brenda W.J.H. Penninx & Bernet M. Elzinga. Enhanced amygdala reactivity during processing of emotional faces in individuals reporting childhood emotional maltreatment. *Social Cognitive & Affective Neuroscience*, in press
- J.Schuurmans, A.J.L.M. van Balkom, J.H. Smit, M. Eikelenboom, H.J.G.M. van Megen, M. Kaarsenmaker, D. Oosterbaan, G.J. Hendriks, K.R.J. Schruers, **N.J.A. van der Wee**, P. van Oppen. Design and rationale of a longitudinal, naturalistic study on the course of OCD and characteristics of the sample at baseline. *International Journal of Methods in Psychiatric Research*, in press.
- Molendijk, M. Marie-José van Tol, Liliana, R Demenescu, **Nic J.A. van der Wee**, Dick J. Veltman, André Aleman, Philip Spinhoven, Brenda W.J.H. Penninx & Bernet M. Elzinga. Effects of BDNF genotypes on hippocampal volume and functioning. *Translational Psychiatry*, in press
- Rosalind van der Lem, Purdey M. Stamsnieder, **Nic J.A. van der Wee**, Tineke van Veen and Frans G. Zitman. Socio-demographic and socio-economic features of patients in RCTs. *The International Journal of Person Centred Medicine*, in press.
- Jason L. Stein^{1*}, Sarah E. Medland^{2,3*}, Alejandro Arias Vasquez^{4,5*}, Derrek P. Hibar^{1*}, Rudy E. Senstad¹, Anderson M. Winkler^{6,7}, Roberto Toro⁸ e.a. (2012) Common genetic polymorphisms contribute to the variation in human hippocampal and intracranial volume. *Nature Genetics*. April 15; 44(5):552-61.
- Bis JC, DeCarli C, Smith AV, van der Lijn F, Crivello F, Fornage M, Debette S, Shulman JM e.a. (2012). Common variants at 12q14 and 12q24 are associated with hippocampal volume. *Nature Genetics*. Apr 15;44(5):545-51.
- E. Ayling, M. Aghahani, J. Fouche, **N.J.A. van der Wee** (2012). Diffusion tensor imaging in anxiety disorders. *Current Psychiatry Reports*, June; 14(3): 197-202 .
- van der Lem R., **van der Wee**, N., van Veen, T., Zitman, F. (2012). Efficacy versus Effectiveness: A Direct Comparison of the Outcome of Treatment for Mild to Moderate Depression in Randomized Controlled Trials and Daily Practice. *Psychotherapy and Psychosomatics*, April, 81(4): 226-34.
- den Hollander-Gijsman ME, Wardenaar KJ, de Beurs E, **van der Wee** NJ, Mooijaart A, van Buuren S, Zitman FG. (2012) Distinguishing symptom dimensions of depression and anxiety: an integrative approach. *Journal of Affective Disorders*. Feb;136(3):693-701.
- van Tol, M., Demenescu, L., **van der Wee**, N., Aleman, A., Buchem M., Zitman, F., Veltman, D. (2012) Functional magnetic resonance imaging correlates of emotional word encoding and recognition in depression and anxiety disorders. *Biological Psychiatry*, April 1; 71(7):593-602.
- van Tol, M., **van der Wee**, N., Nielen, M., Demenescu, R., Renken, R., Aleman, A., Buchem, M., Zitman, F., Veltman, D. fMRI correlates of planning in depression, depression with comorbid anxiety disorder and anxiety disorders (2011). *Acta Psychiatrica Scandinavica*, Oct;124(4):273-84
- Cremers H, van Tol M., Roelofs, K., Aleman, A., Zitman, F., van Buchem M., Veltman, D, **van der Wee**, N. Common and distinct neuroanatomical correlates of neuroticism and extraversion. *PLoS One*. 2011;6(12):e28421
- De Rover, M., Brown, S.B., Boot, N., Hajcak, G., van Noorden, M.S., **van der Wee**, N.J., & Nieuwenhuis, S. (2012) Beta receptor-mediated modulation of the late positive potential in humans. *Psychopharmacology* Feb;219(4):971-9.
- M.S. van Noorden, S. Minkenberg, E.J. Giltay, M. den Hollander-Gijsman, Y. van Rood, N.J.A. **van der Wee**, F.G.Zitman. Clinical characteristics of pre-adult versus adult onset of major depressive disorder in a naturalistic patient sample: the Leiden Routine Outcome Monitoring Study. *Psychological Medicine*, 2011 Jul;41(7):1407-17.
- van der Lem, R., **van der Wee**, N., van Veen, T., Zitman, F (2011). The Generalisability of Antidepressant Efficacy Trials to Routine Psychiatric Outpatient Practice. *Psychological Medicine*; 41(7):1353-1363.
- L.R. Demenescu, R.J. Renken, R. Kortekaas, M.J. van Tol, J.B. Marsman, **N.J.A. van der Wee**, D.J. Veltman, M. van Buchem, J.A. den Boer, A. Aleman. Neural correlates of perception of facial

expressions in patients with depression, anxiety and comorbid conditions.
Psychological Medicine, 2011 Nov;41(11):2253-64.

- Brenda WJH Penninx, Willem A Nolen, Femke Lamers, Frans G Zitman, Johannes H Smit, Philip Spinhoven, Pim Cuijpers, Peter J de Jong, Harm WJ van Marwijk, Klaas van der Meer, Peter Verhaak, Miranda Laurant, Ron de Graaf, Eric van der Haar, Witte J Hoogendijk, **Nic van der Wee**, Johan Ormel, Richard van Dyck and Aartjan TF Beekman, for the NESDA research consortium.
Two-year course of depressive and anxiety disorders: Results from the Netherlands Study of Depression and Anxiety (NESDA). *Journal of Affective disorders*, 2011 Sep;133(1-2):76-85.
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van Tol, M., **van der Wee**, N., van den Heuvel, O., Demenescu, R., Renken, R., Aleman, A., Buchem, M., Zitman, F., Veltman, D (2010). Regional brain volume in depression and anxiety disorders. *Archives of General Psychiatry*, 67:1025-1032.
- van Harmelen, A., van Tol, M., **van der Wee**, N., Veltman D., Aleman A., Spinhoven P., Buchem, M., Zitman, F, Penninx, B., Elzinga B. (2010) Childhood emotional maltreatment is associated with reduced medial prefrontal cortex volume. *Biological Psychiatry*, Nov 1;68(9):832-8.