

CURRICULUM VITAE

Merel Kindt

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Address

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Personal Details

Title and Full Name Prof. Dr. Merel Kindt
 Date of Birth 26 June 1967
 Nationality Dutch
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Professional and Educational Background

2003 - present **Full Professor** of Experimental Clinical Psychology - Faculty of Social and Behavioural Sciences - University of Amsterdam.

2000 - 2003 **Associate Professor** of Clinical and Experimental Psychology, Faculty of Health Science - Maastricht University.

1997 - 2000 **Assistant Professor** - Maastricht University.

1997 - 2003 **Postdoctoral Clinical Training.** Psychotherapy - RINO.
 2003 - present **Registration Health Psychologist** (BIG-register 39051566025)

1992 - 1996 **PhD-student.** Clinical Psychology, University of Amsterdam.
 Doctorate: 20 December 1996.

1991 - 1992 Research assistant. Psychology - University of Amsterdam.

1985 - 1991 Psychology - University of Amsterdam.
 Majors: Clinical Psychology and Neuroscience.
 MA '*cum laude*' Psychology - 30 August 1991

Management

2006 - present Chair Person of the Department of Clinical Psychology. Faculty of Social and Behavioural Sciences, Department of Clinical Psychology, University of Amsterdam.

2012 Chair Person of Amsterdam Summer School: Emotional Memory: From Patient to Synapse - Amsterdam Brain and Cognition, University of Amsterdam.

2005 - 2010 Member of Research Master Committee of Psychology: Development of the Research Master Program of Psychology.

2003 - 2014 Board member of the Dutch-Flemish Inter-University Postgraduate School 'Experimental Psychopathology'

Supervision and Teaching

Post-doctoral

- 2007-present Supervision of grants:
 NWO VIDI (2014) - Dr. S. de Wit (800 k€)
 NWO VIDI (2009) - Dr. T. R. J. Beckers (800 k€)
 NWO VENI (2016) - Dr. A. van Ast (250 k€)
 NWO VENI (2007) - Dr. B. Vervliet (264 k€)
 NWO VENI (2007) - Dr. A. van Stegeren (299 k€)
- 2012 Amsterdam Brain and Cognition Summer School: "Emotional Memory: From Patient to Synapse" (Cognitive Science Centre Amsterdam.
<http://abc.uva.nl/education/abc-summer-school/archive-summer-school/2012-emotional-memory-from-patient-to-synapse.html>

Post-doctoral Clinical Training

- 1999 - present Benecke – Medical Continued Education for Psychiatrists and Clinical Psychologist.
- Workshops on the etiology and treatment of Posttraumatic Stress Disorder in Italy (Verona - Rome) and the Netherlands (Maastricht - Haarlem).

Bachelor and Research Master

- 2003 - present Lecturer on *Anxiety Disorders (BA), Trauma, Memory and Posttraumatic Stress Disorder (MA), Experimental Psychopathology (Research Master), Emotional memory and Psychopathology (Research Master)*.
 Supervision of graduate research.
- 1997 - 2003 **Faculty of Health Science, Maastricht University**
 Supervision of graduate research.
 Lecturer on *Anxiety Disorders, Affective Disorders, Cognitive Psychology, Experimental Psychopathology*.
- 1992 - 1996 **University of Amsterdam**
 Supervision of graduate research (theses) and practica.

Other Academic Activities

Commissions of Trust

- 2014 - 2018 ERC Consolidator Grant Panel Member, The Human Mind and its Complexity (SH4). Per 2016 deputy chair of the ERC consolidator SH4 panel.
- 2013 Member of the Scientific Reviewer Committee of the MRC Cognition and Brain Sciences Unit, Cambridge.

- 2011 - 2012 Chairman of a Committee of the Scientific Research and Documentation Centre of the Dutch Ministry of Justice's (WODC): Evaluation of Cognitive Interventions.
- 2006 - 2007 Member of the Health Council of the Netherlands. The committee "Health Insurance Protocol Anxiety Disorders".
- 2001 - 2003 Member of the Health Council of the Netherlands. The committee "Implications of new possibilities to influence the brain" was formed as part of the 100-year anniversary of the Health Council - installed at 25th June 2001. The report "The future of our selves" was presented to the Minister of Public Health (VWS) at 8th April 2003.

Reviewer

- 2000 - present Reviewer of (inter)national research projects for various agencies including the European Research Council (ERC) starting and consolidator panel, The Wellcome Trust London and the Dutch Organization for Scientific Research (NWO).
- 1998 - present Examiner in > 75 PhD-Committees.
- 1995 - present Reviewer for various international journals (e.g., Behaviour Research and Therapy, Journal of Abnormal Psychology, Journal of Behavior Therapy and Experimental Psychiatry, Journal of Anxiety Disorders, Journal of Experimental Psychopathology, Memory, NeuroImage, Journal of Cognitive Neuroscience, Biological Psychology, Biological Psychiatry, Learning and Memory, Neurobiology of Learning and Memory, The Journal of Neuroscience, Science Neuropsychopharmacology).

Editorial

- 2012 - present **Consulting Editor** *Clinical Psychological Science*.
- 2011 - present **Consulting Editor** *Journal of Abnormal Psychology*.
- 2016 - present Editorial Board of *Behaviour Research and Therapy*.
- 2011 - present Editorial Board of the *Journal of Experimental Psychopathology*.
- 2006 - present Editorial Board of the *Journal of Behavior Therapy and Experimental Psychiatry*.
- 2005 - 2007 Editorial Board of the *Dutch Journal 'Gedragstherapie' (i.e., Behavior Therapy)*.
- 2003 Editor for a special issue of the Journal of Behavior Therapy and Experimental Psychiatry (2003): "Cognitive Processes and PTSD: analogue and clinical studies".

Organizations of Scientific Meetings

- 2011 Coordination of Masterclass for PhD-students: "*Stress and Memory: from molecule to fMRI*" by Prof. dr. L. Nadel - Guest Professor Priority Programme Brain and Cognition.
- 2010 Coordination of Masterclass for PhD-students: "*Rise and Fall of Fear: Neurobiological and Psychological Processes*" by Prof. dr. M Telch - Revesz Chair - Department of Clinical Psychology.

2009 - present Member of the organization committee for a yearly *European Meeting on Human Fear Conditioning*.

Past Performance on PhD's (Promotor)

1. Dr. A. Kunze Imagery rescripting of emotional memories: A search for underlying mechanisms (21 February 2018 – University of Amsterdam). Promotores: Prof. dr. M. Kindt and Prof. dr. A. Arntz. Drs. A. Kunze is currently postdoctoral fellow at the University of München.
2. Dr. N. klein Selle What are you hiding? The underlying and contributing mechanisms of physiological memory detection (18 October 2017 – University of Amsterdam). Promotores: Prof. dr. G. Ben-Shakhar (Jeruzalem) and Prof. dr. M. Kindt, co-promotor Dr. B. J. Verschuere.
3. Dr. R. Visser The neural dynamics of fear memory (**cum laude**) (13 January 2016 – University of Amsterdam). Promotor: Prof. dr. M. Kindt, co-promotor dr. S. Scholte. Visser is currently postdoctoral fellow (**Marie Curie fellowship**) at the University of Cambridge, MRC CBU, United Kingdom.
4. Dr. I. Arnaudova Avoidance: From threat encounter to action execution (8 December 2015 – University of Amsterdam). Promotores: Prof. dr. T. Beckers and Prof. dr. M. Kindt. Dr. Arnaudova is currently postdoctoral fellow at the University of California.
5. Dr. A. Kryptos Avoidance learning (6 March 2015 - University of Amsterdam). Promotores: Prof. dr. T. Beckers and Prof. dr. M. Kindt, co-promotor, Dr. M. Effting. Dr. Kryptos is currently postdoctoral fellow at Utrecht University.
6. Dr. V. van Ast Memories in Context: On the role of cortisol (1 July 2014 – University of Amsterdam). Promotor: Prof. dr. M. Kindt. Dr. Van Ast is currently assistant professor at the University of Amsterdam. (**VENI grant 2016**)
7. Dr. M. Bos Challenging emotional memory (10 June 2014 - University of Amsterdam). Promotor: Prof. dr. M. Kindt. Co-promotor: Dr. T. Beckers. Dr. Bos is currently postdoctoral fellow at Leiden University.
8. Dr. D. Sevenster Fear memory uncovered: Prediction error as the key to memory plasticity (14 May 2014 - University of Amsterdam). Promotor: Prof. dr. M. Kindt. Copromotor: Dr. T. Beckers. Dr. Sevenster is currently assistant professor at Utrecht University.
9. Dr. M. Soeter Erasing Fear from Memory (26 January 2012 - University of Amsterdam). Promotor: Prof. dr. M. Kindt. Dr. M. Soeter is currently scientist at TNO.
10. Dr. M. Effting Plasticity of Fear Memory: A search for relapse prevention. (7 June 2011 – University of Amsterdam). Promotor: Prof. dr. M. Kindt. Copromotor: Dr. B. Vervliet. Dr. Effting is currently lecturer at the University of Amsterdam.

11. Dr. E. Salemink Believing is seeing. (5 September 2008 - Utrecht University). Promotores: Prof. dr. M. van den Hout and Prof. dr. M. Kindt. Dr. Salemink is currently assistant professor at the University of Amsterdam. **(VENI grant)**
12. Dr. M. Morren Cognitive bias and the development of anxiety in children (1 February 2007 - Maastricht University). Promotores: Prof. dr. M. Kindt and Prof. dr. M.A. van en Hout. Dr. Morren is currently research fellow at NIVEL.
13. Dr. P. Karsdorp Biased perceptions of heart symptoms in patients with congenital heart disease (18 January 2007 - University of Amsterdam). Promotores: Prof. dr. M. Kindt and Prof. dr. B. Mulder. Copromotor: Prof. dr. W.T.A.M. Everaerd. Dr. Karsdorp is currently postdoctoral fellow at Utrecht University. **(VENI grant)**
14. Dr. N. Buck Stuck in the past: On the prediction and explanation of post-trauma symptomatology (26 October 2006 - Maastricht University). Promotores: Prof. dr. M. Kindt and Prof. dr. M. van den Hout. Dr. Buck is currently postdoctoral fellow at the EUR.

Supervision of Current PhD Students

Name:	Period:	Title:
1. Olivier de Vries	2017-2021	The fate of emotional episodic memories
2. Sascha Duken	2017-2021	The rise and fall of emotional memory distortions
3. Wouter Cox	2016-2020	Forgetting trouble is the way to cure it
4. Anastasia Chalkia	2016-2020	How the brain learns to forget
5. Linda Geven	2016-2020	Memory Detection
6. James Elsey	2015-2019	New treatment for Anxiety Disorders
7. Michelle de Haan	2015-2019	Imaging Fear Erasure
8. Femke Gazendam	2009-2017	Individual Differences and Anxiety
9. Sandra Raabe	2007-2017	Treatment of Chronic PTSD

Research Interests

My research is concerned with the understanding of neurobiological and psychological processes of emotional memory disorders. Several themes are central in my research over the past 25 years:

1 - Plasticity of Emotional Memory. Currently my main interest involves the neural representation and the plasticity of emotional memory. Although Cognitive Behavioural Therapy is relatively effective in reducing fear, a high percentage of patients with anxiety disorders experience a relapse even after apparently successful treatment. The aim of my research is to bridge basic science to clinical practice to achieve a better understanding of the optimal and boundary conditions of changing fear. The potential of my research program lies in the unique bidirectional translational

approach. It builds on fundamental insights from animal and human neuroscience literature, as well as on clinical observations. These insights and observations provide operational tools, which can be used to test novel hypotheses at different levels of analysis: from basic science to clinical applications, and vice versa.

2 - Memory uncertainty in Obsessive Compulsive Disorder (OCD). Together with Prof. Dr. M. van den Hout, we developed a laboratory model that accounts for the characteristic occurrence and nature of memory distrust in patients with OCD. It was shown that the patient's perseverative checking behaviour - aimed at the increase of memory confidence - has a profound paradoxical effect: Repeated checking leads to a reduction instead of an increase of confidence in one's memory

3 - Information Processing and Memory of Trauma. This line of research tested a cognitive hypothesis on dysfunctional trauma processing by focusing on two modes of processing: data-driven processing (sensoric features) and conceptually-driven processing (contextualization of the trauma), to explain the vividness of intrusive memories typical for posttraumatic stress disorder (PTSD).

4 - Processing Bias and Anxiety. This line of research focused on the role of processing bias (PB) in the origin and maintenance of anxiety disorders. It involved developmental studies on PB and anxiety and resulted in the formulation of a novel 'inhibition hypothesis': PB is normal in children, but impaired inhibition of PB during development contributes to the persistence of fear (PhD-project Kindt). This programme also involved several studies on the training of PB, i.e., the effect of Cognitive Bias Modification (CBM) on anxiety.

Scholarships and Prizes

2017	NWO research talent grant. The rise and fall of emotional memory distortions. MSc. Sascha Duken (224 k€)
2016	ERC Advanced grant. Understanding the stability and plasticity of emotional memory. (2.500 k€)
2016	NWO Research talent grant. Forgetting trouble is the way to cure it. MSc. Wouter Cox. (219 k€)
2015	Amsterdam Brain and Mind Project. Dissection of prediction error and reconsolidation circuits of aversive-emotional memory. Collaboration with Prof. dr. Sabine Spijker (Free University Amsterdam). Dr. Priyanka Rao-Ruiz. (240 k€)
2015	Swedish Research Council, Erasing fear by social learning. Postdoc Armita Golkar. (331 k€)
2014	Amsterdam Brain & Cognition Centre (ABC), Priority Programme. Imaging Fear Erasure: The neural mechanisms of reconsolidation in humans (PI). Collaboration with Dr. Guido van Wingen. (250 k€)
2014	Medical Research Council (MRC) Project Grant, United Kingdom. Co-applicant, in collaboration with Ravi Das (University College London), Sunjeev Kamboj, Val Curran and Leun Otten. (608 k€)

2012	NWO EPP Research talent grant. Changing memory through imagery rescripting. MSc. Anna Kunze. (200 k€)
2009	University Research Priority Programme Brain and Cognition - Cognitive Science Centre Amsterdam (CSCA): <i>Keeping emotional memories at bay: From molecule to patient</i> (PI). Collaboration with: Prof. dr. M. Joëls and Dr. H Krugers (Biology). (829 k€)
2008	NWO Research talent grant. Effects of stress on associative memory. MSc. Vanessa van Ast. (180 k€)
2008	NWO Research talent grant. Facing anxiety: an innovative transdiagnostic approach to etiology and treatment. MSc. Femke Gazendam (180 k€).
2007	NWO VICI grant: "Plasticity of fear memories": 3 PhD students and 1 postdoctoral fellow. (1.250 k€)
2000	NWO ASPASIA grant. Cognitive processing and anxiety disorders. (i.e., highest ranking within the sector Society- and Behavior Sciences). (100 k€)
1991	Erasmus Program - Research on neuropsychology of emotion at the University of Bologna - Italy.

Media Coverage (selection)

National	NOS journaal, RTL Nieuws, VPRO Labyrint, VPRO De volmaakte mens, De Volkskrant, NRC, Elsevier.
International	BBC, Channel Four News, ABC news, CBS, Russian NTV, Nature Video, Documentary 'Memory Hackers' by Public Broadcasting Service, Reuters, Der Spiegel (Germany), German Magazin Focus, The Washington Post, New Republic, The New York Times.

Publication Statistics

ISI Web of Science per October 2016

Times Cited	4479
Times Cited without Self-Citations	4025
Average Citations per Item	29
<i>h-index</i>	40

Google Scholar

Times cited	8160
<i>h-index</i>	50
<i>i10-index</i>	109

List of Publications

Refereed Articles:

2018

1. Faliagkas, L., Rao-Ruiz, P., & **Kindt, M.** (2018). Emotional memory expression is misleading: delineating transitions between memory processes. *Current Opinion in Behavioral Sciences*, *19*, 116-112.
2. **Kindt, M.** (2018). The surprising subtleties of changing fear memory: a challenge for translational science. *Phil. Trans. R. Soc. B*, *373*(1742), 20170033.
3. **Kindt, M.**, & Soeter, M. (2017). β -AR induced post-retrieval amnesia is time and sleep-dependent. *Nature Communications* (in press).
4. Linnebank, F.E., & **Kindt, M.**, & Wit, de S., (2017) Investigating the Balance between Goal-Directed and Habitual Control in Experimental and Real-Life Settings. *Learning & Behavior* (in press)
5. Wit, de S., **Kindt, M.**, Knot, S., Verhoeven, A.C., Robbins, T.W., Gasull, J., Evans, M., Mirza, H., & Gillan, C.M. (2018). Shifting the balance between goals and habits: five failures in experimental habit induction. *Journal of Experimental Psychology: General* (in press).

2017

6. Arnaudova, I., Kryptos, A. M., Effting, M., **Kindt, M.**, & Beckers, T. (2017). Manipulating affective state influences conditioned appetitive responses. *Cognition and Emotion*, 1-20.
7. Arnaudova, I., Kryptos, A. M., Effting, M., **Kindt, M.**, & Beckers, T. (2017). Fearing shades of grey: individual differences in fear responding towards generalisation stimuli. *Cognition and Emotion*, *31*(6), 1181-1196.
8. Arnaudova, I., Fanselow, M., **Kindt, M.**, & Beckers, T. (2017). Pathways towards the proliferation of avoidance in anxiety and their implications for treatment. *Behaviour Research and Therapy*, *96*, 3-13.
9. Arnaudova, I., Kryptos, A.M., Effting, M., **Kindt, M.**, & Beckers, T. (2017). Moving threat: Attention and distance change interact in threat responding. *Emotion*, *17*, 251-258.
10. Beckers, T., & **Kindt, M.** (2017). Memory reconsolidation interference as an emerging treatment for emotional disorders: strengths, limitations, challenges and opportunities. *Annual Review of Clinical Psychology*, *13*, 99-121.
11. Elsey, J.W.B. & **Kindt, M.** (2017). Tackling maladaptive memories through reconsolidation: From neural to clinical science. *Neurobiology of Learning & Memory*, *142*, 108-117.
12. Elsey, J.W.B., & **Kindt, M.** (2017). Breaking boundaries: Optimizing reconsolidation-based interventions for strong and old memories. *Learning & Memory*, *24*, 472-479.

13. Golkar, A., Tjaden, C., & **Kindt, M.** (2017). Vicarious extinction learning during reconsolidation neutralizes fear memory. *Behaviour Research and Therapy*, *92*, 87-93.
14. Klein Selle, N., Verschuere, B., **Kindt, M.**, Meijer, E., & Ben-Shakhar, G. (2017). Unravelling the roles of orienting and inhibition in the concealed information test. *Psychophysiology*, *54*, 628-639.
15. Klein Selle, N., Verschuere, B., **Kindt, M.**, Meijer, E., Nahari, T., & Ben-Shakhar, G. (2017). Memory detection: The effects of emotional stimuli. *Biological psychology*, *129*, 25-35.
16. Kunze, A.E., Arntz, A., Morina, N., **Kindt, M.**, & Lancee, J. (2017). Efficacy of Imagery Rescripting and Imaginal Exposure for Nightmares: A randomized wait-list controlled trial. *Behaviour Research and Therapy*, *97*, 14-25.
17. Kunze, A., Arntz, A., Morina, N., **Kindt, M.**, & Lancee, J. (2017). Treatment efficacy of imagery rescripting and imaginal exposure for nightmares. Evidence from a randomized wait-list controlled trial. *Sleep Medicine*, *40*, e178.
18. Lissek, T., Adams, M., Adelman, J., Ahissar, E., Akaaboune, M., Akil, H., ... & Avila, J. (2017). Building bridges through science. *Neuron*, *96*(4), 730-735.
19. Schroyens, N., Beckers, T., & **Kindt, M.** (2017). In search for boundary condition of reconsolidation: A failure of fear memory interference. *Frontiers in Behavioral Neuroscience*, doi.org/10.3389/fnbeh.2017.00065.
20. Sevenster, D., Haesen, K., Vervliet, B., Kindt, M., & D'Hooge, R. (2017). Prevention and treatment strategies for contextual overgeneralization. *Scientific reports*, *7*(1), 16967.
21. Verhoeven, A.A.C., **Kindt, M.**, Zomer, C.L., & de Wit, S. (2017). An experimental investigation of breaking learnt habit with verbal implementation intentions. *Acta Psychologica*, doi.org/10.1016/j.actpsy.2017.05.008.

2016

22. Arnaudova, I., Kryptos, A.M., **Kindt, M.**, & Beckers, T. (2016). Fearing shades of grey: individual differences in fear responding towards generalisation stimuli. *Cognition & Emotion*, *1-16*.
23. Cohn, M.D., Lith, K. van, **Kindt, M.**, Pape, L.E., Doreleijers, T.A.H., Brink, W. van den, Veltman, D.J., & Popma, A. (2016). Fear extinction, persistent disruptive behavior and psychopathic traits: fMRI in late adolescence. *Social Cognitive and Affective Neuroscience*, *11*, 1027-1035.
24. Elsey, J.W.B., & **Kindt, M.** (2016). Manipulating human memory through reconsolidation: Ethical implications of a new therapeutic approach. *American Journal of Bioethics – Neuroscience*, *7:4*, 225-236.
25. **Kindt, M.**, & van Emmerik, A. (2016). New avenues for treating emotional memory disorders: towards a reconsolidation intervention for posttraumatic stress disorder. *Therapeutic Advances in Psychopharmacology*, *6*, 283-295.

26. Klein Selle, N., Verschuere, B., **Kindt, M.**, Meijer, E., & Ben-Shakhar, G. (2016). Orienting versus inhibition in the Concealed Information Test: Different cognitive processes drive different physiological measures. *Psychophysiology*, *53*, 579-590.
27. Kunze, A.E., Lancee, J., Morina, N., **Kindt, M.**, & Arntz, A. (2016). Efficacy and mechanisms of imagery rescripting and imaginal exposure for nightmares: study protocol for a randomized controlled trial. *Trials*, *17*, 469.
28. Visser, R.M., de Haan, M.I., Beemsterboer, T., Haver, P., **Kindt, M.**, & Scholte, H.S. (2016). Quantifying learning-dependent changes in the brain: Single trial multivoxel pattern analysis requires slow event related fMRI. *Psychophysiology*, *53*, 1117-1127.
29. Visser, R.M., Haver, P., Zwitser, R.J., Scholte, H.S., & **Kindt, M.** (2016). First steps in using multi-voxel pattern analysis to disentangle neural processes underlying generalization of spider fear. *Frontiers in Human Neuroscience*, *10*, 222.

2015

30. Gazendam, F.J., Kamphuis, J.H., Eigenhuis, A., Huizenga, H.M.H., Soeter, M., Bos, M.G.N., Sevenster, D., & **Kindt, M.** (2015). Personality predicts individual variation in fear learning: A multilevel growth modeling approach. *Clinical Psychological Science*, 1-14.
31. Kryptos, A.-M., Arnaudova, I., Effting, M., **Kindt, M.**, & Beckers, T. (2015). Effects of approach-avoidance training on the extinction and return of fear responses. *PloS One*, *10*, e0131581.
32. Kryptos, A.-M., Beckers, T., **Kindt, M.**, & Wagenmakers, E.J. (2015). A bayesian hierarchical diffusion model decomposition of performance in approach-avoidance tasks. *Cognition & Emotion*, *29*, 1424-1444.
33. Kryptos, A.-M., Effting, M., **Kindt, M.**, & Beckers, T. (2015). Avoidance learning: A review of theoretical models and recent developments. *Frontiers in Behavioural Neuroscience*, doi: 10.3389/fnbeh.2015.00189.
34. Kunze, A., Arntz, A., & **Kindt, M.** (2015). Fear conditioning with film clips: A complex associative learning paradigm. *Journal of Behavior Therapy and Experimental Psychiatry*, *47*, 42-50.
35. Raabe, S., Ehring, T., Marquenie, L., Olff, M. & **Kindt, M.** (2015). Imagery rescripting as a stand-alone treatment for posttraumatic stress disorder related to childhood abuse. *Journal of Behavior Therapy and Experimental Psychiatry*, *48*, 170-176.
36. Sevenster, D., Hamm, A., Beckers, T., & **Kindt, M.** (2015). Heart rate pattern and resting heart rate variability mediate individual differences in contextual anxiety and conditioned responses. *International Journal of Psychophysiology*, doi: 10.1016/j.ijpsycho.2015.09.004.
37. Soeter, M., & **Kindt, M.** (2015). An abrupt transformation of phobic behavior following a post-retrieval amnesic agent. *Biological Psychiatry*, *78*, 880-886.

38. Soeter, M., & Kindt, M. (2015). Retrieval cues that trigger reconsolidation of associative fear memory are not necessarily an exact replica of the original learning experience. *Frontiers in Behavioural Neuroscience*, doi: 10.3389/fnbeh.2015.00122.
39. Visser, R. M., Kunze, A. E., Westhoff, B., Scholte, H. S., & Kindt, M. (2015). Representational similarity analysis offers a preview of the noradrenergic modulation of long-term fear memory at the time of encoding. *Psychoneuroendocrinology*, *55*, 8-20.

2014

40. Ast, V.A. van, Cornelisse, S., Meeter, M., & Kindt, M. (2014). Cortisol mediates the effects of stress on the contextual dependency of memories. *Psychoneuroendocrinology*, *41*, 97-110.
41. Bos, M.G.N., Schuijjer, J., Lodestijn, F., Beckers, T. & Kindt, M. (2014). Stress enhances reconsolidation of declarative memory. *Psychoneuroendocrinology*, *46*, 102-113.
42. Bos, M.G.N., Jacobs van Goethem, T., Beckers, T. & Kindt, M. (2014). Cortisol response mediates the effect of post-reactivation stress exposure on contextualization of emotional memories. *Psychoneuroendocrinology*, *50*, 72-84.
43. Bos, M.G.N., Beckers, T. & Kindt, M. (2014). Noradrenergic blockade of memory reconsolidation: A failure to reduce conditioned fear responding *Frontiers in Behavioural Neuroscience*, *8*: 412.
44. Cornelisse, S., Ast, V.A. van, Joëls, M., & Kindt, M. (2014). Delayed effects of cortisol enhance fear memory of trace conditioning. *Psychoneuroendocrinology*, *40*, 257-268.
45. Kindt, M., & Soeter, M. (2014). Fear inhibition in high trait anxiety. *PLoS ONE*, *9*, e86462.
46. Kindt, M., Soeter, M. & Sevenster, D. (2014). Disrupting reconsolidation of fear memory in humans by a noradrenergic β -blocker. *Journal of Visualized Experiments*, *94*, e52151, doi:10.3791/52151.
47. Kindt, M. (2014). A behavioural neuroscience perspective on the aetiology and treatment of anxiety disorders. *Behaviour Research and Therapy*, *62*, 24-36.
48. Kryptos, A.-M., Effting, M., Arnaudova, I., Kindt, M., & Beckers, T. (2014). Avoided by association: Acquisition, extinction, and renewal of avoidance tendencies toward conditioned fear stimuli. *Clinical Psychological Science*, *2*, 336-343.
49. Salemink, E., Kindt, M., Rienties, H., & Hout, M. van den (2014). Internet-based cognitive bias modification of interpretations in patients with anxiety disorders: A randomised controlled trial. *Journal of Behavior Therapy and Experimental Psychiatry*, *45*, 186-195.
50. Sevenster, D., Beckers, T. & Kindt, M. (2014). Fear conditioning of SCR but not the startle reflex requires conscious discrimination of threat and safety. *Frontiers in Behavioral Neuroscience*, *8*, article 32, 1-9.
51. Sevenster, D., Beckers, T., & Kindt, M. (2014). Prediction error demarcates the transition from retrieval, to reconsolidation, to new learning. *Learning and Memory*, *21*, 580-584.

2013

52. Arnaudova, I., Kryptos, A.-M., Effting, M., Boddez, Y., **Kindt, M.**, & Beckers, T. (2013). Individual differences in discriminatory fear learning under conditions of ambiguity: A vulnerability factor for anxiety disorders? *Frontiers in Psychology, 4*, article 298, 1-9.
53. Ast, V.A. van, Cornelisse, S., Meeter, M., Joëls, M., & **Kindt, M.** (2013). Time-dependent effects of cortisol on the contextualization of emotional memories. *Biological Psychiatry, 74*, 809-816.
54. Beckers, T., Kryptos, A.-M., Boddez, Y., Effting, M., & **Kindt, M.** (2013). What's wrong with fear conditioning. *Biological Psychology, 92*, 90-96.
55. Bos, M.G.N., Jentgens, P., Beckers, T. & **Kindt, M.** (2013). Psychophysiological response patterns to affective film stimuli. *PLoS ONE, 8*, e62661.
56. Cohn, M.D., Popma, A., Brink, W. van den, Pape, L.E., **Kindt, M.**, Domburgh, L. van, Doreleijers, T.A.H., & Veltman, D.J. (2013). Fear conditioning, persistence of disruptive behavior and psychopathic traits: An fMRI study. *Translational Psychiatry, 3*, e319; doi:10.1038/tp.2013.89.
57. Effting, M, Vervliet, B., Beckers, T., & **Kindt, M.** (2013). Cued reacquisition trials during extinction weaken contextual renewal in human predictive learning. *Learning and Motivation, 44*, 184-195.
58. Gazendam, F.J., Kamphuis, J.H., & **Kindt, M.** (2013). Deficient safety characterizes high trait anxious individuals. *Biological Psychology, 92*, 342-352.
59. **Kindt, M.**, & Soeter, M. (2013). Reconsolidation in a human fear conditioning study: A test of extinction as updating mechanism. *Biological Psychology, 92*, 43-50.
60. Sevenster, D., Beckers, T. & **Kindt, M.** (2013). Prediction error governs pharmacologically induced amnesia for learned fear. *Science, 339*, 830-833.
61. Soeter, M., & **Kindt, M.** (2012). High trait anxiety: A challenge for disrupting fear memory reconsolidation. *PLoS ONE, 8*, e75239.
62. Visser, R.M., Scholte, H.S., Beemsterboer, T., & **Kindt, M.** (2013). Neural pattern similarity predicts long-term fear memory. *Nature Neuroscience, 16*, 388-390.

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63. Ast, V.A. van, Vervliet, B., & **Kindt, M.** (2012). Contextual control over expression of fear is affected by cortisol. *Frontiers in Behavioral Neuroscience, 6*, article 67, 1-14.
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Books or Contributions to Books:

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3. **Kindt, M.**, & Lazon, N. (2010). Leren en Stress, in Brein@work. In N. Lazon & R. van Dinteren (pp.155-160). Springer Uitgeverij BV, Houten.
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Invited Lectures/ Keynotes

1. **Kindt, M. (2017).** The surprising subtleties of changing emotional memories, NVP Wintercongres, Egmond, December 14-16, The Netherlands.
2. **Kindt, M. (2017).** Manipulating emotional memory through reconsolidation: from neural to clinical science. EBBS, Bilbao, September 8 -11, Spain.
3. **Kindt, M. (2017).** Of mice and mental health: facilitating dialogue between basic and clinical neuroscientists. Royal Society Meeting, London, April 24-25, United Kingdom.
4. **Kindt, M. (2017).** The offline brain: understanding memory consolidation and reconsolidation, Royal Society Meeting, London, January 30-31, United Kingdom.
5. **Kindt, M. (2016).** In search for therapeutic forgetting. Keynote at the Annual BABCP Conference, Belfast, June 15-17, Ireland.
6. **Kindt, M. (2016).** Emotional Memory. Keynote at the ECNP - From Neuroscience to evidence based psychological treatments – The promise and the challenge, Nice, March 21-22, France.
7. **Kindt, M. (2015).** Memory Reconsolidation and Erasure. Annual Winter Conference on Neural Plasticity, Bridgetown, February 7-14, Barbados.
8. **Kindt, M. (2015).** Targeting fear memory: a window of opportunity. BNA Festival of neuroscience, Edinburgh, April 12-15, United Kingdom.
9. **Kindt, M. (2014).** The neuroscience of fear memory. Molecular Frontiers. Stockholm, Sweden invited by Bengt Norden, Chair of Nobel Prize committee of Chemistry, The Royal Swedish Academy of Sciences, Stockholm, May 20-21, Sweden.
10. **Kindt, M. (2013).** Forgetting fears: A translational approach to advance treatment for anxiety disorders. Keynote at the EABCT Annual Congress, Marrakech, September 25-28, Morocco.
11. **Kindt, M. (2013).** Translational research to advance treatment for anxiety disorders. Keynote at the Annual Conference Fear, Anxiety and Anxiety Disorders, Hamburg, October 11-13, Germany. Invited by Dr. Hans Büchel.
12. **Kindt, M. (2013).** In staat van Angst, De Veerstichting, Leiden University.
13. **Kindt, M. (2012).** De cognitieve gedragstherapie van de toekomst ontstaat in het lab. Keynote, Najaarsconferentie van de VGct, Veldhoven, November 7-9, The Netherlands.
14. **Kindt, M. (2011).** Noradrenergic Modulation of fear memory in humans. Neuroethics of Memory, SUNY DownState Medical Centre, December 9, 2011, New York, USA. Invited by Dr. Todd Sacktor.
15. **Kindt, M. (2011).** Angst, een (on)uitwisbare indruk. Universiteitsdag, May 28 2011, Universiteit van Amsterdam.

16. **Kindt, M. (2011).** Plasticity of fear memory: Translational research. Conference organized by the international inter-university research school Experimental Psychopathology, April 1, 2011, Utrecht, The Netherlands.
17. **Kindt, M. (2011).** PTSD: Behandeling. Studiedag: Op weg naar nieuw denken en handelen in de GGZ, Feb. 8, Ede, The Netherlands.
18. **Kindt, M. (2010).** Erasing fear from memory: Translational research. International Society for Traumatic Stress Studies, Nov. 2-4, Montreal, Canada. Invited by Drs. Alain Brunet and Roger Pitman.
19. **Kindt, M. (2010).** Kunnen we angstige herinneringen wissen? Publieksdag Hersenstichting, October 14, Utrecht, The Netherlands.
20. **Kindt, M. (2010).** Fear memory and extinction: Clinical and therapeutic aspects. 23rd European College of Neuropsychopharmacology Congress, Aug. 28-Sept. 1, Amsterdam, The Netherlands.
21. **Kindt, M. (2010).** Beyond extinction of traumatic memories. Symposium Stress & PTSD: Battlefield of reason and emotion, Sept. 1, Oegstgeest, The Netherlands.
22. **Kindt, M. (2010).** Deconstructing fear memory: Extinction and reconsolidation. Paper will be presented at the Symposium: Mysteries and Marvels of Memory at NYU, March 26-28, New York, USA. Invited by Dr. Joe LeDoux.
23. **Kindt, M. (2009).** Reconsolidation versus Extinction: in search for boundary conditions. Paper presented at the annual meeting of the Pavlovian Society, October 29-31, Burlington, USA. Invited by Dr. Mark Bouton.
24. **Kindt, M. (2009).** Erasing the emotion of fearful memories. Seminar at Leiden University, 23 April, The Netherlands.
25. **Kindt, M. (2009).** Erasing the emotion of fearful memories. Symposium CSCA, University of Amsterdam, April 8, Amsterdam, The Netherlands.
26. **Kindt, M. (2009).** Is it possible to achieve long-term reduction of undesired emotion? Seminar Psychiatry at the University of Groningen, April 2, The Netherlands.
27. **Kindt, M. (2009).** Talent aantrekken en vasthouden. Conferentie Succesvolle Onderzoeksgroepen, Stichting SoFoKleS, March 9, Rotterdam, The Netherlands.
28. **Kindt, M. (2009).** Mechanisms of change in anxiety: Beyond extinction. Symposium organized by the Dutch-Flemish Postgraduate School Experimental Psychopathology. Mechanisms of Therapeutic Change in the Emotional Disorders, February 12-13, Vught, The Netherlands.
29. **Kindt, M. (2009).** De stelling van Merel Kindt: Het wissen van emotioneel geheugen is noodzakelijk voor een permanent effect van therapie, University of Amsterdam, January 26, Amsterdam, The Netherlands.

30. **Kindt, M. (2007).** Opening Academic Year 2007-2008 of the University of Amsterdam, September 3, Amsterdam, The Netherlands.
31. **Kindt, M. (2007).** The plasticity of emotional memory. Paper presented at the Symposium The (in)flexibility of human nature, organized on behalf of 100 year psychology at the University of Amsterdam, November 8-9, Amsterdam, The Netherlands.
32. **Kindt, M. (2007).** Asymmetry between the rise and fall of emotions. Symposium on Emotion and Passion, June 8, Amsterdam, The Netherlands.
33. **Kindt, M. (2007).** Anxiety disorders: Impaired fear inhibition or increased fear acquisition? Second Special Interest meeting on Fear and Learning, May 23-35, Le Lignely, Belgium.
34. **Kindt, M. (2007).** Van scholenstrijd naar techniekenstrijd: en waar blijft de ideeënstrijd? Symposium on behalf of the inaugural lecture of Prof. Dr. R. Kleber from Utrecht University, Februari 9, Utrecht, The Netherlands.
35. **Kindt, M. (2006).** Temperamental vulnerabilities and fear inhibition in children. Child Anxiety: Theory and Treatment Seminar. Sussex, United Kingdom.
36. **Kindt, M. (2005).** Trauma Processing and PTSD. War Trauma Foundation, Den-Haag, The Netherlands.
37. **Kindt, M. (2004).** Trauma processing and Posttraumatic Stress Disorder. Keynote, Najaarsconferentie van de VGCT, Veldhoven, The Netherlands.
38. **Kindt, M. (2003).** Experimental Psychopathology. NIP Conference, Den Haag, The Netherlands.
39. **Kindt, M. (2003).** Workshop on Dissociation, Trauma and PTSD. Post-doctoral education of Cognitive Behavioural Therapists. Verona, Italy.
40. **Kindt, M. (2002).** Workshop on Memory and Trauma. Post-doctoral education of Cognitive Behavioural Therapists. Rome, Italy.

> 100 presentations at (inter)national conferences.