

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
 Marital Status Married, three children (1999 - 2002 - 2005)

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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

2018 – present Founding partner of Kindt Clinics <https://kindtclinics.com/>, an outpatient clinic for phobias and anxiety disorders.

2014 - present Member of the Jumpstart jr Foundation Board.
<https://www.jumpstartjr.org/home>

2006 - 2018 Chairperson of the Department of Clinical Psychology. Faculty of Social and Behavioural Sciences, Department of Clinical Psychology, University of Amsterdam.

2003 - 2014 Board member of the Dutch-Flemish Inter-University Postgraduate School 'Experimental Psychopathology'. <https://epp-research.eu/>

- 2012 Chairperson of Amsterdam Summer School: Emotional Memory: From Patient to Synapse - Amsterdam Brain and Cognition, University of Amsterdam. <https://abc.uva.nl/education/abc-summer-school/archive-summer-school/2012-emotional-memory-from-patient-to-synapse.html>
- 2005 - 2010 Member of Research Master Committee of Psychology: Development of the Research Master Program of Psychology.

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 (2018) - Dr. R. Visser (250 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).

Post-doctoral Clinical Training

- 1999 - present Benecke – Medical Continued Education for Psychiatrists and Clinical Psychologist.
- Workshops on the aetiology 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.

Other Academic Activities

Commissions of Trust

2014 - 2020	ERC Consolidator Grant Panel Member, The Human Mind and its Complexity (SH4). Per 2016 deputy chair of the ERC consolidator SH4 panel.
2018-2020	Wellcome Trust Cognitive Neuroscience and Mental Health Expert Review Group
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 25 th June 2001. The report "The future of our selves" was presented to the Minister of Public Health (VWS) at 8 th April 2003.

Reviewer

2000 - present	Reviewer of (inter)national research projects for various agencies including the European Research Council (ERC) starting and consolidator panel, 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 <i>Clinical Psychological Science</i> .
2011 - 2019	Consulting Editor <i>Journal of Abnormal Psychology</i> .
2016 - present	Editorial Board of <i>Behaviour Research and Therapy</i> .
2011 - present	Editorial Board of the <i>Journal of Experimental Psychopathology</i> .
2006 - present	Editorial Board of the <i>Journal of Behavior Therapy and Experimental Psychiatry</i> .

- 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

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

Past Performance on PhD's (Promotor)

1. Dr. J.B. Elsey Fighting against fear: novel approaches to understanding, modifying, and manipulating maladaptive memories (**cum laude**) (17 April 2020 – University of Amsterdam). Promotor: Prof. dr. M. Kindt, co-promotor: dr. A.A.P. van Emmerik. Dr J. Elsey is currently postdoctoral fellow at the University of Amsterdam.
2. Dr. L. Geven Extending the scope of concealed information detection (6 September 2019 – University of Amsterdam). Promotores: Prof. dr. G. Ben-Shakhar (Jeruzalem) and Dr. B.J. Verschuere, co-promotor Prof. dr. M. Kindt. Dr. L. Geven is currently assistant professor at the Leiden University.
3. Dr. F. Gazendam Individual differences in associative fear learning (12 September 2018 – University of Amsterdam. Promotores: Prof. dr. M. Kindt and Prof. dr. J.H. Kamphuis). Dr. F Gazendam is currently working as clinical practitioner.
4. 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. Dr. A. Kunze is currently postdoctoral fellow at the University of München.
5. 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.
6. 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 is currently assistant professor at the

University of Amsterdam. (**Marie Curie fellowship 2017, VENI grant 2019**).

7. 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.

8. 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. Efftig. Dr. Kryptos is currently postdoctoral fellow at Utrecht University.

9. 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**)

10. 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.

11. 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.

12. 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.

13. Dr. M. Efftig 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. Efftig is currently lecturer at the University of Amsterdam.

14. 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**)

15. 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.

16. 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**)

17. 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 a researcher at the EUR.

Supervision of Current PhD Students

Name:	Period:	Title:
1. Inga Marie Freund	2020-2024	New science of mental health (NWO)
2. Anna Filmer	2019-2023	Stability and plasticity of emotional memory (ERC)
3. Jacqueline Peters	2019-2023	Stability and plasticity of emotional memory (ERC)
4. Faya Reinhold	2019-2023	Stability and plasticity of emotional memory (ERC)
5. Lotte Stemerding	2018-2022	Stability and plasticity of emotional memory (ERC)
6. Olivier de Vries	2017-2021	The fate of emotional episodic memories (NWO)
7. Sascha Duken	2017-2021	The rise and fall of emotional memory distortions (NWO)
8. Wouter Cox	2016-2020	Forgetting trouble is the way to cure it (NWO)
9. Sandra Raabe	2007-2019	Treatment of Chronic PTSD (UvA)

Brief summary of research over past 15 years

Merel Kindt has made seminal contributions to the field of fear learning and memory. Due to her exceptional work which brings together the fields of clinical psychology and neuroscience, she became a full Professor of Experimental Clinical Psychology seven years after her PhD and clinical training (aged 36). It has since been her mission to understand mechanisms of change, and to build on fundamental brain and cognition science in order to shape clinical interventions. In 2008, she started an innovative research programme on the plasticity of fear memory, which challenged the prevailing cognitive behavioural hypothesis that emotional memories are fixated in the physical architecture of the brain. She has used and developed a vast array of experimental methods to study the formation, consolidation and plasticity of emotional memory, including behavioural methods (e.g., adaptation of the classical fear conditioning paradigm), cognitive methods (e.g., information processing biases, meta-memory in obsessive compulsive disorder and posttraumatic stress disorder), manipulation and assessment of stress hormones (noradrenaline and cortisol) and neural pattern analyses (e.g., functional MRI). Over the years, she has established a highly successful programme of research. Specifically, she was the first to show (and replicate) that the emotional expression of fear memories can be erased in humans (e.g., *Nature Neuroscience*, 2009; *Nature Communications*, 2018), and which conditions are essential for this to occur (*Science*, 2013). The potential of her research programme lies in the bidirectional translational approach. It builds on fundamental insights from animal and human neuroscience literature, as well as 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. Kindt has translated the fundamental insights on the plasticity of fear memory obtained in the laboratory into a new intervention for people suffering from irrational fears (*Biological Psychiatry*, 2015). Prof. Pitman from Harvard lauded her research in his commentary "Harnessing reconsolidation to treat mental disorders" (*Biological Psychiatry*, 2015) by stating: "An appeal of the line of research taken by Kindt and colleagues is that it is truly translational. 'Translational' is a word often invoked but not often realized in psychiatric research. Work in Kindt's laboratory epitomizes translational research. It has built on basic animal findings regarding the labile nature of memory and applied these findings first to experiments in normal human subjects and subsequently in this impressive article to a subclinical condition. The applicability of reconsolidation blockade and memory updating to full-blown mental disorders remains to be seen, but in light of this article, the prospects seem more promising than ever."

Scholarships and Prizes

- 2020 **ZonMW Open Competition.** Resolving Emotional Memories Overnight (in collaboration with Prof. dr. E. van Someren) (750 k€)
- 2019 **NWO Gravity grant.** New Science of Mental Disorders (co-applicant and PI), in collaboration with Prof. dr. A. Jansen (main applicant, UM), Prof. Dr. A. Roefs (UM), Prof dr. R. Wiers (UvA), Prof dr. B. Elzinga (UL), Prof. Dr. A. Evers (UL). (19.393 k€)
- 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. 4 PhD students and 2 postdoctoral fellows. (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): *Keeping emotional memories at bay: From molecule to patient* (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, EenVandaag, De Volkskrant, NRC, Elsevier.
- International BBC, Channel Four News, ABC news, CBS, Russian NTV, Nature Video, Documentary 'Memory Hackers' (PBS, Netflix), A cure for fear by Lana Wilson, (Emmy Award-winning Director), Be Afraid: The Science of Fear (CBC), Reuters, Der Spiegel (Germany), German Magazin Focus, The Washington Post, New Republic, The New York Times.

Publication Statistics

ISI Web of Science per August 2019

Times Cited	6380
Times Cited without Self-Citations	5805
Average Citations per Item	38
<i>h-index</i>	48

Google Scholar

Times cited	11810
<i>h-index</i>	60
<i>i10-index</i>	132

List of Publications

Refereed Articles:

2020

1. Elsey, J. W., Filmer, A. I., Galvin, H. R., Kurath, J. D., Vossoughi, L., Thomander, L. S., ... & **Kindt, M.** (2020). Reconsolidation-based treatment for fear of public speaking: a systematic pilot study using propranolol. *Translational Psychiatry*, *10*(1), 1-12
2. Geven, L. M., Ben-Shakhar, G., **Kindt, M.**, & Verschuere, B. (2020). Memory-based deception detection: Extending the cognitive signature of lying from instructed to self-initiated cheating. *Topics in cognitive science*, *12*(2), 608-631.
3. Elsey, J. W., Bekker, T. A., De Bree, A. M., & Kindt, M. (2020). Encoding or consolidation? The effects of pre-and post-learning propranolol on the impact of an emotional scene. *Journal of Behavior Therapy and Experimental Psychiatry*, *67*, 101480.

2019

4. Das, R. K., Gale, G., Walsh, K., Hennessy, V. E., Iskandar, G., Mordecai, L. A., Brandner, B., **Kindt, M.**, Curran, H.V., & Kamboj, S. K. (2019). Ketamine can reduce harmful drinking by pharmacologically rewriting drinking memories. *Nature Communications*, *10*(1), 1-10.
5. Geven, L. M., Ben-Shakhar, G., **Kindt, M.**, & Verschuere, B. (2019). It's a match!? Appropriate item selection in the Concealed Information Test. *Cognitive research: principles and implications*, *4*(1), 11.
6. Geven, L. M., Ben-Shakhar, B., **Kindt, M.**, & Verschuere, B. (2018). Memory-based deception detection: Extending the cognitive signature of lying from instructed to self-initiated cheating. *Topics in Cognitive Science*. <https://doi.org/10.1111/tops.12353>
7. Kunze, A. E., Arntz, A., & **Kindt, M.** (2019). Investigating the effects of imagery rescripting on emotional memory: A series of analogue studies. *Journal of Experimental Psychopathology*, *10*(2), 2043808719850733.
8. Kunze, A. E., Lancee, J., Morina, N., **Kindt, M.**, & Arntz, A. (2019). Mediators of change in imagery rescripting and imaginal exposure for nightmares: Evidence from a randomized wait-list controlled trial. *Behavior therapy*, *50*(5), 978-993.

2018

9. Arnaudova, I., Kryptos, A. M., Efftig, M., **Kindt, M.**, & Beckers, T. (2018). Manipulating affective state influences conditioned appetitive responses. *Cognition and Emotion*, 1-20.
10. Elsey, J.W.B., van Ast, A., & **Kindt, M.** (2018). Human memory reconsolidation: A guiding framework and critical review of the evidence. *Psychological Bulletin*, *144*, 797-848.
11. Elsey, J., & **Kindt, M.** (2018). Can criminals use propranolol to erase crime-related memories? A response to McGorrrery (2017). *Alternative Law Journal*, *43*(2), 136-138.

12. Faliagkas, L., Rao-Ruiz, P., & **Kindt, M.** (2018). Emotional memory expression is misleading: delineating transitions between memory processes. *Current Opinion in Behavioral Sciences*, *19*, 116-122.
 13. Geven, L. M., Klein Selle, N., Ben-Shakhar, G., **Kindt, M.**, & Verschuere, B. (2018). Self-initiated versus instructed cheating in the physiological Concealed Information Test. *Biological psychology*, *138*, 146-155.
 14. Geven, L. M., Ben-Shakhar, G., Kindt, M., & Verschuere, B. (2018). Memory-Based Deception Detection: Extending the Cognitive Signature of Lying From Instructed to Self-Initiated Cheating. *Topics in cognitive science*.
 15. de Haan, M. I., van Well, S., Visser, R. M., Scholte, H. S., van Wingen, G. A., & **Kindt, M.** (2018). The influence of acoustic startle probes on fear learning in humans. *Scientific reports*, *8*(1), 14552.
 16. **Kindt, M.** (2018). The surprising subtleties of changing fear memory: a challenge for translational science. *Phil. Trans. R. Soc. B*, *373*(1742), 20170033.
 17. **Kindt, M.**, & Soeter, M. (2018). Pharmacologically induced amnesia for learned fear is time and sleep dependent. *Nature Communications*, *9*:1316.
 18. Klein Selle, N., Ben-Shakhar, G., **Kindt, M.**, & Verschuere, B. (2018). Preliminary evidence for physiological markers of implicit memory. *Biological Psychology*, *135*: 220-235.
 19. Kunze, A. E., Arntz, A., Morina, N., **Kindt, M.**, & Lancee, J. (2018). Imagery rescripting and imaginal exposure for nightmares: efficacy and mechanisms of change. *Journal of Sleep Research*, *27*(S1), 417-418.
 20. Linnebank, F. E., **Kindt, M.**, & de Wit, S. (2018). Investigating the balance between goal-directed and habitual control in experimental and real-life settings. *Learning & behavior*, *1*-14.
 21. Verhoeven, A. A., Kindt, M., Zomer, C. L., & de Wit, S. (2018). An experimental investigation of breaking learnt habits with verbal implementation intentions. *Acta psychologica*, *184*, 124-136.
 22. de Wit, S., Kindt, M., Knot, S. L., Verhoeven, A. A., Robbins, T. W., Gasull-Camos, J., ... & Gillan, C. M. (2018). Shifting the balance between goals and habits: Five failures in experimental habit induction. *Journal of Experimental Psychology: General*, *147*(7), 1043.
- 2017**
23. 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.
 24. 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.

25. 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.
26. 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.
27. Elsey, J.W.B. & **Kindt, M.** (2017). Tackling maladaptive memories through reconsolidation: From neural to clinical science. *Neurobiology of Learning & Memory, 142*, 108-117.
28. Elsey, J.W.B., & **Kindt, M.** (2017). Breaking boundaries: Optimizing reconsolidation-based interventions for strong and old memories. *Learning & Memory, 24*, 472-479.
29. Golkar, A., Tjaden, C., & **Kindt, M.** (2017). Vicarious extinction learning during reconsolidation neutralizes fear memory. *Behaviour Research and Therapy, 92*, 87-93.
30. 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.
31. 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.
32. 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.
33. 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.
34. Lissek, T., Adams, M., Adelman, J., Ahissar, E., Akaaboune, M., Akil, H., ... & Avila, J. (2017). Building bridges through science. *Neuron, 96*(4), 730-735.
35. 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*.
36. Sevenster, D., Haesen, K., Vervliet, B., Kindt, M., & D'Hooge, R. (2017). Prevention and treatment strategies for contextual overgeneralization. *Scientific reports, 7*(1), 16967.
37. 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

38. 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*.

39. 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.
40. 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.
41. **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.
42. 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.
43. 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.
44. 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.
45. 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

46. 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.
47. Kryptos, A.-M., Arnaudova, I., Eftting, M., **Kindt, M.**, & Beckers, T. (2015). Effects of approach-avoidance training on the extinction and return of fear responses. *PLoS One*, *10*, e0131581.
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7. **Kindt, M.**, & Arntz, A. (2003). Cognitieve Gedragstherapie bij seksueel misbruik. In N. Nicolai (Ed). *Handboek psychotherapie na seksueel misbruik* (pp. 125-160). De Tijdstroom.
8. **Kindt, M.**, & Hovens, H. (2001). Posttraumatische stress-stoornis. In R. van Dyck, A. J. L. M. van Balkom & P. van Oppen (Eds.). *Behandelingsstrategieën bij angststoornissen* (pp. 100-117). Bohn Stafleu van Loghum.
9. **Kindt, M.**, & Arntz, A. (1999). Cognitieve verwerking en psychopathologie: theorie en onderzoek. In S. Bögels en P. van Oppen (Eds.). *Cognitieve therapie: theorie en praktijk* (pp. 1-24). Bohn Stafleu Van Loghum.
10. **Kindt, M.**, & Arntz, A. (1999). Cognitieve therapie bij posttraumatische stress stoornis. In S. Bögels en P. van Oppen (Eds.). *Cognitieve therapie: theorie en praktijk* (pp. 191-217). Bohn Stafleu van Loghum.
11. **Kindt, M.** (1992). Neuropsicologia delle emozioni. In S. Della Sala & M. Laiacina (Eds.), *Laboratorio di Neuropsicologia*. La Goliardica Pavese, 211-225.

Invited Lectures/ Keynotes

1. **Kindt, M. (2019)**. Harnessing reconsolidation in the treatment of emotional memory disorders: Lessons from basic science. EPFL Neurosymposium, Lausanne, November 25-26, Switzerland.
2. **Kindt, M. (2019)**. Over de plasticiteit van het angstgeheugen. LIBC Publieksdag, Leiden, October 11, Nederland.
3. **Kindt, M. (2019)**. Beyond CBT: The Primacy of Emotional Change. WCBCT, Berlin, July 17-20, Germany.
4. **Kindt, M. (2017)**. The surprising subtleties of changing emotional memories, NVP Wintercongres, Egmond, December 14-16, The Netherlands.
5. **Kindt, M. (2017)**. Manipulating emotional memory through reconsolidation: from neural to clinical science. EBBS, Bilbao, September 8-11, Spain.
6. **Kindt, M. (2017)**. Of mice and mental health: facilitating dialogue between basic and clinical neuroscientists. Royal Society Meeting, London, April 24-25, United Kingdom.
7. **Kindt, M. (2017)**. The offline brain: understanding memory consolidation and reconsolidation, Royal Society Meeting, London, January 30-31, United Kingdom.
8. **Kindt, M. (2016)**. In search for therapeutic forgetting. Keynote at the Annual BABCP Conference, Belfast, June 15-17, Ireland.

9. **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.
10. **Kindt, M. (2015).** Memory Reconsolidation and Erasure. Annual Winter Conference on Neural Plasticity, Bridgetown, February 7-14, Barbados.
11. **Kindt, M. (2015).** Targeting fear memory: a window of opportunity. BNA Festival of neuroscience, Edinburgh, April 12-15, United Kingdom.
12. **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.
13. **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.
14. **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.
15. **Kindt, M. (2013).** In staat van Angst, De Veerstichting, Leiden University.
16. **Kindt, M. (2012).** De cognitieve gedragstherapie van de toekomst ontstaat in het lab. Keynote, Najaarsconferentie van de VGCT, Veldhoven, November 7-9, The Netherlands.
17. **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.
18. **Kindt, M. (2011).** Angst, een (on)uitwisbare indruk. Universiteitsdag, May 28 2011, Universiteit van Amsterdam.
19. **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.
20. **Kindt, M. (2011).** PTSD: Behandeling. Studiedag: Op weg naar nieuw denken en handelen in de GGZ, Feb. 8, Ede, The Netherlands.
21. **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.
22. **Kindt, M. (2010).** Kunnen we angstige herinneringen wissen? Publieksdag Hersenstichting, October 14, Utrecht, The Netherlands.
23. **Kindt, M. (2010).** Fear memory and extinction: Clinical and therapeutic aspects. 23rd European College of Neuropsychopharmacology Congress, Aug. 28-Sept. 1, Amsterdam, The Netherlands.

24. **Kindt, M. (2010).** Beyond extinction of traumatic memories. Symposium Stress & PTSD: Battlefield of reason and emotion, Sept. 1, Oegstgeest, The Netherlands.
25. **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.
26. **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.
27. **Kindt, M. (2009).** Erasing the emotion of fearful memories. Seminar at Leiden University, 23 April, The Netherlands.
28. **Kindt, M. (2009).** Erasing the emotion of fearful memories. Symposium CSCA, University of Amsterdam, April 8, Amsterdam, The Netherlands.
29. **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.
30. **Kindt, M. (2009).** Talent aantrekken en vasthouden. Conferentie Succesvolle Onderzoeksgroepen, Stichting SoFoKleS, March 9, Rotterdam, The Netherlands.
31. **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.
32. **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.
33. **Kindt, M. (2007).** Opening Academic Year 2007-2008 of the University of Amsterdam, September 3, Amsterdam, The Netherlands.
34. **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.
35. **Kindt, M. (2007).** Asymmetry between the rise and fall of emotions. Symposium on Emotion and Passion, June 8, Amsterdam, The Netherlands.
36. **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.
37. **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.
38. **Kindt, M. (2006).** Temperamental vulnerabilities and fear inhibition in children. Child Anxiety: Theory and Treatment Seminar. Sussex, United Kingdom.

39. **Kindt, M. (2005).** Trauma Processing and PTSD. War Trauma Foundation, Den-Haag, The Netherlands.
40. **Kindt, M. (2004).** Trauma processing and Posttraumatic Stress Disorder. Keynote, Najaarsconferentie van de VGCT, Veldhoven, The Netherlands.
41. **Kindt, M. (2003).** Experimental Psychopathology. NIP Conference, Den Haag, The Netherlands.
42. **Kindt, M. (2003).** Workshop on Dissociation, Trauma and PTSD. Post-doctoral education of Cognitive Behavioural Therapists. Verona, Italy.
43. **Kindt, M. (2002).** Workshop on Memory and Trauma. Post-doctoral education of Cognitive Behavioural Therapists. Rome, Italy.

> 100 presentations at (inter)national conferences.