

Erasmus University Rotterdam, the Netherlands
CSC PhD 2015 Project Description

School/Department:	Institute of Psychology
Project Title:	Train the aggressive brain: Cognitive bias modification and feedback processing in children and adolescents.
Abstract:	<p>During development we must all learn that social challenges, like bumping into each other, mostly happen by accident and that reactive aggression is inappropriate and counterproductive. Some children don't, however, which may lead to behavior problems. Why do these children fail to learn from the social feedback they receive? Why do they persist to construe the world in a hostile manner? During this project we test the hypotheses that, 1) reactive aggressive behaviors are fundamentally caused by what we attend to in a social situation and how we interpret this information; 2) the malleability of these stages of information processing depends upon the extent to which corrective social feedback is adequately processed. The major aim of this project is to use recent developments in anxiety research on computerized cognitive bias modification (CBM) to directly modify aggression-related biases in attention and interpretation. This approach is combined with neurobiological measures of feedback processing to predict and evaluate the success of these interventions.</p>
Requirements of candidate:	<p>Master degree: Yes</p> <p>Background: Psychology</p> <p>IELTS Grade: 7.0 (<i>minimal 6.0 per component</i>) or TOEFL: 100 (<i>minimal 20 per component</i>)</p>
Supervisor information:	<p>Dr. Jorg Huijding Associate professor of clinical psychology Huijding@fsw.eur.nl http://www.eur.nl/fsw/psychologie/research/profielen/profiel_mis/10326/</p> <p>Academic Publications</p> <ol style="list-style-type: none"> 1. Kanters, T., Hornsvelt, R.H., Nunes, K.L., Huijding, J., Zwets, A.J., Snowden, R.J., Muris, P., & van Marle, H.J.C. (2014). Are child abusers sexually attracted to submissiveness? Assessment of sex-related cognition with the Implicit Association Test. <i>Sexual Abuse: A Journal of Research and Treatment</i>. 2. Strien, J.W. van, Eijlers, R., Franken, I.H.A. & Huijding, J. (2014).

	<p>Snake pictures draw more early attention than spider pictures in non-phobic women: Evidence from event-related brain potentials. <i>Biological Psychology</i>, 96, 150-157.</p> <ol style="list-style-type: none"> 3. Remmerswaal, D., Muris, P. & Huijding, J. (2014). Parent-offspring transmission of a fear-related cognitive bias: An experimental study. <i>Journal of Clinical Child and Adolescent Psychology</i>. 4. Remmerswaal, D., Huijding, J., Bouwmeester, S., Brouwer, M.E. & Muris, P.E.H.M. (2014). Cognitive bias in action: Evidence for a reciprocal relation between confirmation bias and fear in children. <i>Journal of Behavior Therapy and Experimental Psychiatry</i>, 45(1), 26-32. 5. Rijen, E.H.M. van, Gasanova, N.R.K., Boonstra, A.M. & Huijding, J. (2013). Psychometric Qualities of the Short Form of the Self-efficacy for Parenting Tasks Index-Toddler Scale. <i>Child Psychiatry & Human Development</i>. 6. Strien, J.W. van, Franken, I.H.A. & Huijding, J. (2013). Early posterior negativity is larger for snake pictures than for other reptile pictures. 53th Annual Meeting of the Society for Psychophysiological Research, Florence, Italy. <i>Psychophysiology</i>, 50(S118). 7. Muris, P., Huijding, J., Mayer, B. & De Vries, H. (2012). Does 'Yuck' mean 'Eek'? Fear responses in children after a disgust manipulation. <i>Journal of Behavior Therapy and Experimental Psychiatry</i>, 43, 765-769. 8. Bocanegra, B.R., Huijding, J. & Zeelenberg, R. (2012). Beyond attentional bias: A perceptual bias in a dot-probe task. <i>Emotion</i>, 12, 1362-1366. 9. Muris, P., Huijding, J., Mayer, B., Langkamp, M., Reyhan, E. & Olatunji, B. (2012). Assessment of Disgust Sensitivity in Children With an Age-Downward Version of the Disgust Emotion Scale. <i>Behavior Therapy</i>, 876-886. 10. Vreeke, L.J., Muris, P., Mayer, B., Huijding, J., Bos, A.E.R., Keijzer-Veen, M.G., Raat, H. & Verheij, F. (2012). The assessment of an inhibited, anxiety-prone temperament in a Dutch multi-ethnic population of preschool children. <i>European Child & Adolescent Psychiatry</i>, 21(11), 623-633. 11. Roefs, A., Huijding, J., Smulders, F.T.Y., Jong, P.J. de, Wiers, R.W. & Jansen, A. (2011). The use of indirect measures of implicit associations in psychopathology: A Review. <i>Psychological Bulletin (USA)</i>, 137, 149-193. 12. Bos, A.E.R., Muris, P. & Huijding, J. (2011). Preventie van psychopathologie bij kinderen en adolescenten: het belang van zelfwaarderingsinterventies. <i>Gedrag en Gezondheid</i>, 39(4), 232-
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	<p>240.</p> <p>13. Franken, I.H.A., Strien, J.W. van, Bocanegra, B.R. & Huijding, J. (2011). The P3 event-related potential as an index of motivational relevance. <i>Journal of Psychophysiology</i>, 25, 32-39.</p> <p>14. Franken, I.H.A., Huijding, J., Nijs, I.M.T. & Strien, J.W. van (2011). Electrophysiology of appetitive taste and appetitive taste conditioning in humans. <i>Biological Psychology</i>, 86, 273-278.</p> <p>15. Olatunji, B.O., Huijding, J., Jong, P.J. de & Smits, J.A.J. (2011). The relative contributions of fear and disgust reductions to improvements in spider phobia following exposure-based treatment. <i>Journal of Behavior Therapy and Experimental Psychiatry</i>, 42, 117-121.</p> <p>16. Huijding, J., Bos, A.E.R. & Muris, P. (2011). Enhancing implicit self-esteem in children: Can a smile make you feel worthwhile? <i>Netherlands Journal of Psychology</i>, 66, 11-25.</p> <p>17. Huijding, J., Borg, C., Weijmar-Schultz, W. & Jong, P.J. de (2011). Automatic Affective Appraisal of Sexual Penetration Stimuli in Women with Vaginismus or Dyspareunia. <i>Journal of Sexual Medicine</i>, 8, 806-813.</p> <p>18. Huijding, J., Muris, P., Lester, K.J., Field, A.P. & Joosse, G. (2011). Training children to approach or avoid novel animals: Effects on self-reported attitudes and fear beliefs and information seeking behaviors. <i>Behaviour Research and Therapy</i>, 49, 606-613.</p> <p>19. Huijding, J., Mayer, B., Koster, E.H.W. & Muris, P. (2011). To look or not to look: An eye movement study of hypervigilance during change detection in high and low spider fearful students. <i>Emotion</i>, 11(3), 666-674.</p> <p>20. Muris, P., Huijding, J., Mayer, B., As, W. van & Alem, S van (2011). Reduction of verbally learned fear in children: A comparison between positive information, imagery, and a control condition. <i>Journal of Behavior Therapy and Experimental Psychiatry</i>, 42, 139-144.</p> <p>21. Overveld, W.J.M. van, de Jong, P.J., Huijding, J. & Peters, M.L. (2010). Contamination and harm relevant UCS-expectancy bias in spider phobic individuals: Influence of treatment. <i>Clinical Psychology and Psychotherapy</i>, 17, 510-518.</p> <p>22. Muris, P., Zwol, L. van, Huijding, J. & Mayer, B. (2010). Mom told me scary things about this animal: Parents installing fear beliefs in their children via the verbal information pathway. <i>Behaviour Research and Therapy</i>, 48, 341-346.</p> <p>23. Martijn, C., VanderLinden, M., Huijding, J., Roefs, A. & Jansen, A.T.M. (2010). Give Us a Smile and Lighten Us Up: Increasing Body and Weight Satisfaction Through Classical</p>
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	<p>Conditioning. <i>Health Psychology</i>, 29(5), 514-520.</p> <p>24. Bos, A.E.R., Huijding, J., Muris, P., Vogel, L.R.R. & Biesheuvel, J. (2010). Global, contingent and implicit self-esteem and psychopathological symptoms in adolescents. <i>Personality and Individual Differences</i>, 48, 311-346.</p> <p>25. Strien, J.W. van, Franken, I.H.A. & Huijding, J. (2009). Phobic spider fear is associated with enhanced attentional capture by spider pictures: a rapid serial presentation event-related potential study. <i>Neuroreport</i>, 20(4), 445-449.</p> <p>26. Huijding, J., Field, A.P., de Houwer, J., Vandenbosch, K., Rinck, M. & van Oeveren, M. (2009). A behavioural route to dysfunctional representations: The effects of training approach or avoidance tendencies towards novel animals in children. <i>Behaviour Research and Therapy</i>, 47(6), 471-477.</p> <p>27. Muris, P., Rassin, E.G.C., Mayer, B., Smeets, G., Huijding, J., Remmerswaal, D. & Field, A.P. (2009). Effects of verbal information on fear-related reasoning biases in children. <i>Behaviour Research and Therapy</i>, 47, 206-214.</p> <p>28. Muris, P., Huijding, J., Mayer, B., Leemreis, W., Passchier, S & Bouwmeester, S. (2009). The effects of verbal disgust- and threat-related information about novel animals on disgust and fear beliefs and avoidance in children. <i>Journal of Clinical Child and Adolescent Psychology</i>, 38, 551-558.</p> <p>29. Muris, P., Huijding, J., Mayer, B., Remmerswaal, D. & Vreden, S (2009). Ground control to Major Tom: Experimental manipulation of anxiety-related interpretation bias by means of the "space odyssey" paradigm and effects on avoidance tendencies in children. <i>Journal of Anxiety Disorders</i>, 23, 333-340.</p> <p>30. Huijding, J. & Jong, P.J. de (2009). Implicit and explicit attitudes toward spiders: sensitivity to treatment and predictive validity for generalization of treatment effects. <i>Cognitive Therapy and Research</i>, 33, 211-220.</p> <p>31. Brauer, M., de Jong, P.J., Huijding, J., Laan, E & Kuile, M.M. ter (2009). Implicit Affective Associations with Sexual Stimuli in Women with Superficial Dyspareunia. <i>Archives of Sexual Behavior</i>, 38, 486-497.</p>
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