



Universiteit
Leiden

The Netherlands

I see you: insights into the neural and affective signatures of connectedness between parents and adolescents

Wever, M.C.M.

Citation

Wever, M. C. M. (2024, January 11). *I see you: insights into the neural and affective signatures of connectedness between parents and adolescents*.

Retrieved from <https://hdl.handle.net/1887/3677446>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3677446>

Note: To cite this publication please use the final published version (if applicable).

REFERENCES

- aan het Rot, M., & Hogenelst, K. (2014). The influence of affective empathy and autism spectrum traits on empathic accuracy. *PLoS one*, 9(6), e98436. <https://doi.org/10.1371/journal.pone.0098436>
- Abraham, E., Hendler, T., Zagoory-Sharon, O., & Feldman, R. (2016). Network integrity of the parental brain in infancy supports the development of children's social competencies. *Social Cognitive and Affective Neuroscience*, 11(11), 1707-1718. <https://doi.org/10.1093/scan/nsw090>
- Abraham, E., Raz, G., Zagoory-Sharon, O., & Feldman, R. (2018). Empathy networks in the parental brain and their long-term effects on children's stress reactivity and behavior adaptation. *Neuropsychologia*, 116, 75-85. <https://doi.org/10.1016/j.neuropsychologia.2017.04.015>
- Adolphs, R. (2003). Cognitive neuroscience of human social behaviour. *Nature Reviews Neuroscience*, 4(3), 165-178. <https://doi.org/10.1038/nrn1056>
- Ahmed, S. P., Bittencourt-Hewitt, A., & Sebastian, C. L. (2015). Neurocognitive bases of emotion regulation development in adolescence. *Developmental cognitive neuroscience*, 15, 11-25. <https://doi.org/10.1016/j.dcn.2015.07.006>
- Ainsworth, M. D., Blehar, M., Waters, E., & Wall, S. (1978). *Patterns of attachment*. Hillsdale, NJ: Erlbaum.
- Allen, J. P., Moore, C., Kuperminc, G., & Bell, K. (1998). Attachment and adolescent psychosocial functioning. *Child development*, 69(5), 1406-1419. <https://doi.org/10.1111/j.1467-8624.1998.tb06220.x>
- Allen, K.-A. (2020). *The psychology of belonging*. Routledge.
- Alloy, L. B., Abramson, L. Y., Smith, J. M., Gibb, B. E., & Neeren, A. M. (2006). Role of parenting and maltreatment histories in unipolar and bipolar mood disorders: Mediation by cognitive vulnerability to depression. *Clinical child and family psychology review*, 9(1), 23-64. <https://doi.org/10.1007/s10567-006-0002-4>
- Arce, E., Simmons, A. N., Stein, M. B., Winkielman, P., Hitchcock, C., & Paulus, M. P. (2009). Association between individual differences in self-reported emotional resilience and

- the affective perception of neutral faces. *Journal of Affective Disorders*, 114(1-3), 286-293. <https://doi.org/10.1016/j.jad.2008.08.015>
- Argyle, M., Lefebvre, L., & Cook, M. (1974). The meaning of five patterns of gaze. *European journal of social psychology*, 4(2), 125-136. <https://doi.org/10.1002/ejsp.2420040202>
- Arnett, J. J. (1999). Adolescent storm and stress, reconsidered. *American psychologist*, 54(5), 317. <https://doi.org/10.1037/0003-066X.54.5.317>
- Arntz, A., & Wessel, I. (1996). Jeugd trauma vragenlijst [Dutch version of the childhood trauma questionnaire]. *The Netherlands*.
- Arrindell, W. A., Gerlsma, C., Vandereycken, W., Hageman, W. J., & Daeseleire, T. (1998). Convergent validity of the dimensions underlying the parental bonding instrument (PBI) and the EMBU. *Personality and Individual Differences*, 24(3), 341-350. [https://doi.org/10.1016/S0191-8869\(97\)00187-6](https://doi.org/10.1016/S0191-8869(97)00187-6)
- Ashburner, J. (2007). A fast diffeomorphic image registration algorithm. *Neuroimage*, 38(1), 95-113. <https://doi.org/10.1016/j.neuroimage.2007.07.007>
- Atzil, S., Hendler, T., & Feldman, R. (2011). Specifying the neurobiological basis of human attachment: brain, hormones, and behavior in synchronous and intrusive mothers. *Neuropsychopharmacology*, 36(13), 2603. <https://doi.org/10.1038/npp.2011.172>
- Azevedo, R. T., Macaluso, E., Avenanti, A., Santangelo, V., Cazzato, V., & Aglioti, S. M. (2013). Their pain is not our pain: brain and autonomic correlates of empathic resonance with the pain of same and different race individuals. *Human brain mapping*, 34(12), 3168-3181. <https://doi.org/10.1002/hbm.22133>
- Babore, A., Trumello, C., Candelori, C., Paciello, M., & Cerniglia, L. (2016). Depressive symptoms, self-esteem and perceived parent-child relationship in early adolescence. *Frontiers in Psychology*, 7, 982. <https://doi.org/10.3389/fpsyg.2016.00982>
- Baldwin, C. L. (1996). *Self-complexity and physiological responses to facial self-reflection: An investigation into women's self-image*. University of North Texas.
- Baron-Cohen, S., Wheelwright, S., & Jolliffe, T. (1997). Is there a "language of the eyes"? Evidence from normal adults, and adults with autism or Asperger syndrome. *Visual Cognition*, 4(3), 311-331. <https://doi.org/10.1080/713756761>

- Baron-Cohen, S., Jolliffe, T., Mortimore, C., & Robertson, M. (1997). Another advanced test of theory of mind: Evidence from very high functioning adults with autism or Asperger syndrome. *Journal of Child Psychology and Psychiatry*, 38(7), 813-822. <https://doi.org/10.1111/j.1469-7610.1997.tb01599.x>
- Barrett, J., & Fleming, A. S. (2011). Annual research review: All mothers are not created equal: Neural and psychobiological perspectives on mothering and the importance of individual differences. *Journal of Child Psychology and Psychiatry*, 52(4), 368-397. <https://doi.org/10.1111/j.1469-7610.2010.02306.x>
- Barrett, J., Wonch, K. E., Gonzalez, A., Ali, N., Steiner, M., Hall, G. B., & Fleming, A. S. (2012). Maternal affect and quality of parenting experiences are related to amygdala response to infant faces. *Social neuroscience*, 7(3), 252-268. <https://doi.org/10.1080/17470919.2011.609907>
- Bates, D., Maechler, M., Bolker, B., Walker, S., Christensen, R. H. B., Singmann, H., Dai, B., Scheipl, F., & Grothendieck, G. (2012). Package 'lme4'. *CRAN. R Foundation for Statistical Computing, Vienna, Austria*.
- Baugh, L. M., Cox, D. W., Young, R. A., & Kealy, D. (2019). Partner trust and childhood emotional maltreatment: The mediating and moderating roles of maladaptive schemas and psychological flexibility. *Journal of Contextual Behavioral Science*, 12, 66-73. <https://doi.org/10.1016/j.jcbs.2019.02.001>
- Baumrind, D. (1991). Effective parenting during the early adolescent transition. *Family transitions*, 2(1), 1.
- Bernstein, D., Fink, L., Handelsman, L., Foote, J., Lovejoy, B., Wenzel, K., Sapareto, E., & Ruggiero, J. (1994). Initial reliability and validity of a new retrospective measure of child abuse and neglect *American Journal of Psychiatry*, 151.
- Bernstein, D. P., Stein, J. A., Newcomb, M. D., Walker, E., Pogge, D., Ahluvalia, T., Stokes, J., Handelsman, L., Medrano, M., & Desmond, D. (2003). Development and validation of a brief screening version of the Childhood Trauma Questionnaire. *Child abuse & neglect*, 27(2), 169-190. [https://doi.org/10.1016/S0145-2134\(02\)00541-0](https://doi.org/10.1016/S0145-2134(02)00541-0)
- Binder, J. R., Frost, J. A., Hammeke, T. A., Bellgowan, P., Rao, S. M., & Cox, R. W. (1999). Conceptual processing during the conscious resting state: a functional MRI study. *Journal of cognitive neuroscience*, 11(1), 80-93. <https://doi.org/10.1162/089892999563265>

- Birmaher, B., Khetarpal, S., Brent, D., Cully, M., Balach, L., Kaufman, J., & Neer, S. M. (1997). The screen for child anxiety related emotional disorders (SCARED): Scale construction and psychometric characteristics. *Journal of the American Academy of Child & Adolescent Psychiatry*, 36(4), 545-553. <https://doi.org/10.1097/00004583-199704000-00018>
- Bodden, D. H., Bögels, S. M., & Muris, P. (2009). The diagnostic utility of the screen for child anxiety related emotional disorders-71 (SCARED-71). *Behaviour research and therapy*, 47(5), 418-425. <https://doi.org/10.1016/j.brat.2009.01.015>
- Bojko, A. (2013). *Eye tracking the user experience: A practical guide to research*. Rosenfeld Media.
- Bombardi, D., Schmid, P. C., Schmid Mast, M., Birri, S., Mast, F. W., & Lobmaier, J. S. (2013). Emotion recognition: The role of featural and configural face information. *Quarterly Journal of Experimental Psychology*, 66(12), 2426-2442. <https://doi.org/10.1080/17470218.2013.789065>
- Bornstein, M. H., Putnick, D. L., Rigo, P., Esposito, G., Swain, J. E., Suwalsky, J. T., Su, X., Du, X., Zhang, K., & Cote, L. R. (2017). Neurobiology of culturally common maternal responses to infant cry. *Proceedings of the National Academy of Sciences*, 114(45), E9465-E9473. <https://doi.org/10.1073/pnas.1712022114>
- Bowlby, J. (1969). Attachment and Loss: Volume I: Attachment, vol. 79. *The International Psycho-Analytical Library*, 1-401.
- Branje, S. J., Hale, W. W., Frijns, T., & Meeus, W. H. (2010). Longitudinal associations between perceived parent-child relationship quality and depressive symptoms in adolescence. *Journal of abnormal child psychology*, 38(6), 751-763. <https://doi.org/10.1007/s10802-010-9401-6>
- Breil, C., & Böckler, A. (2021). Look away to listen: the interplay of emotional context and eye contact in video conversations. *Visual Cognition*, 1-11. <https://doi.org/10.1080/13506285.2021.1908470>
- Brett, M., Anton, J.-L., Valabregue, R., & Poline, J.-B. (2002). Region of interest analysis using an SPM toolbox. 8th international conference on functional mapping of the human brain,

- Brooks, C. I., Church, M. A., & Fraser, L. (1986). Effects of duration of eye contact on judgments of personality characteristics. *The Journal of Social Psychology*, 126(1), 71-78. <https://doi.org/10.1080/00224545.1986.9713572>
- Bruneau, E., Dufour, N., & Saxe, R. (2013). How we know it hurts: Item analysis of written narratives reveals distinct neural responses to others' physical pain and emotional suffering. *PLoS one*, 8(4), e63085. <https://doi.org/10.1371/journal.pone.0063085>
- Buchan, J. N., Paré, M., & Munhall, K. G. (2007). Spatial statistics of gaze fixations during dynamic face processing. *Social neuroscience*, 2(1), 1-13. <https://doi.org/10.1080/17470910601043644>
- Bzdok, D., Schilbach, L., Vogeley, K., Schneider, K., Laird, A. R., Langner, R., & Eickhoff, S. B. (2012). Parsing the neural correlates of moral cognition: ALE meta-analysis on morality, theory of mind, and empathy. *Brain Structure and Function*, 217(4), 783-796. <https://doi.org/10.1007/s00429-012-0380-y>
- Calvo, M. G., Nummenmaa, L., & Avero, P. (2008). Visual search of emotional faces: Eye-movement assessment of component processes. *Experimental Psychology*, 55(6), 359-370. <https://doi.org/10.1027/1618-3169.55.6.359>
- Cavallo, A., Lungu, O., Becchio, C., Ansuini, C., Rustichini, A., & Fadiga, L. (2015). When gaze opens the channel for communication: Integrative role of IFG and MPFC. *Neuroimage*, 119, 63-69. <https://doi.org/10.1016/j.neuroimage.2015.06.025>
- Cheng, Y., Chen, C., Lin, C.-P., Chou, K.-H., & Decety, J. (2010). Love hurts: an fMRI study. *Neuroimage*, 51(2), 923-929. <https://doi.org/10.1016/j.neuroimage.2010.02.047>
- Christian, B. M., Parkinson, C., Macrae, C. N., Miles, L. K., & Wheatley, T. (2015). When imagining yourself in pain, visual perspective matters: The neural and behavioral correlates of simulated sensory experiences. *Journal of cognitive neuroscience*, 27(5), 866-875. https://doi.org/10.1162/jocn_a_00754
- Collaboration, O. S. (2015). Estimating the reproducibility of psychological science. *Science*, 349(6251), aac4716. <https://doi.org/10.1126/science.aac4716>
- Collins, W. A., & Russell, G. (1991). Mother-child and father-child relationships in middle childhood and adolescence: A developmental analysis. *Developmental Review*, 11(2), 99-136. [https://doi.org/10.1016/0273-2297\(91\)90004-8](https://doi.org/10.1016/0273-2297(91)90004-8)

- Conty, L., George, N., & Hietanen, J. K. (2016). Watching Eyes effects: When others meet the self. *Consciousness and cognition*, 45, 184-197. <https://doi.org/10.1016/j.concog.2016.08.016>
- Cowan, D. G. (2015). The empathic gaze and how to find it: eye-gaze behaviour to expressions of emotion.
- Cowan, D. G., Vanman, E. J., & Nielsen, M. (2014). Motivated empathy: the mechanics of the empathic gaze. *Cognition and Emotion*, 28(8), 1522-1530. <https://doi.org/10.1080/02699931.2014.890563>
- Crone, E. A., & Dahl, R. E. (2012). Understanding adolescence as a period of social–affective engagement and goal flexibility. *Nature Reviews Neuroscience*, 13(9), 636-650. <https://doi.org/10.1038/nrn3313>
- D'Argembeau, A. (2013). On the role of the ventromedial prefrontal cortex in self-processing: the valuation hypothesis. *Frontiers in human neuroscience*, 7, 372. <https://doi.org/10.3389/fnhum.2013.00372>
- Dahl, R. E. (2004). Adolescent brain development: a period of vulnerabilities and opportunities. Keynote address. *Annals of the New York Academy of Sciences*, 1021(1), 1-22. <https://doi.org/10.1196/annals.1308.001>
- Dannlowski, U., Stuhrmann, A., Beutelmann, V., Zwanzger, P., Lenzen, T., Grotegerd, D., Domschke, K., Hohoff, C., Ohrmann, P., & Bauer, J. (2012). Limbic scars: long-term consequences of childhood maltreatment revealed by functional and structural magnetic resonance imaging. *Biological psychiatry*, 71(4), 286-293. <https://doi.org/10.1016/j.biopsych.2011.10.021>
- Davey, C. G., Yücel, M., & Allen, N. B. (2008). The emergence of depression in adolescence: Development of the prefrontal cortex and the representation of reward. *Neuroscience & Biobehavioral Reviews*, 32(1), 1-19. <https://doi.org/10.1016/j.neubiorev.2007.04.016>
- Davis, M. H. (1980). A multidimensional approach to individual differences in empathy.
- De Corte, K., Buysse, A., Verhofstadt, L. L., Roeyers, H., Ponnet, K., & Davis, M. H. (2007). Measuring empathic tendencies: Reliability and validity of the Dutch version of the Interpersonal Reactivity Index. *Psychologica Belgica*, 47(4), 235-260. <https://doi.org/10.5334/pb-47-4-235>

- de Gelder, B., van Honk, J., & Tamietto, M. (2011). Emotion in the brain: of low roads, high roads and roads less travelled. *Nature Reviews Neuroscience*, *12*(7), 425-425. <https://doi.org/10.1038/nrn2920-c1>
- De Goede, I. H., Branje, S. J., & Meeus, W. H. (2009). Developmental changes in adolescents' perceptions of relationships with their parents. *Journal of Youth and Adolescence*, *38*(1), 75-88. <https://doi.org/10.1007/s10964-008-9286-7>
- De Waal, F. B. (2008). Putting the altruism back into altruism: the evolution of empathy. *Annu. Rev. Psychol.*, *59*, 279-300. <https://doi.org/10.1146/annurev.psych.59.103006.093625>
- De Waal, F. B., & Preston, S. D. (2017). Mammalian empathy: behavioural manifestations and neural basis. *Nature Reviews Neuroscience*, *18*(8), 498-509. <https://doi.org/10.1038/nrn.2017.72>
- Decety, J. (2011). The neuroevolution of empathy. *Annals of the New York Academy of Sciences*, *1231*(1), 35-45. <https://doi.org/10.1111/j.1749-6632.2011.06027.x>
- Decety, J., Chen, C., Harenski, C., & Kiehl, K. A. (2013). An fMRI study of affective perspective taking in individuals with psychopathy: imagining another in pain does not evoke empathy. *Frontiers in human neuroscience*, *7*, 489. <https://doi.org/10.3389/fnhum.2013.00489>
- Decety, J., & Jackson, P. L. (2004). The functional architecture of human empathy. *Behavioral and cognitive neuroscience reviews*, *3*(2), 71-100. <https://doi.org/10.1177/1534582304267187>
- Denny, B. T., Kober, H., Wager, T. D., & Ochsner, K. N. (2012). A meta-analysis of functional neuroimaging studies of self-and other judgments reveals a spatial gradient for mentalizing in medial prefrontal cortex. *Journal of cognitive neuroscience*, *24*(8), 1742-1752. https://doi.org/10.1162/jocn_a_00233
- Egeland, B. (2009). Taking stock: childhood emotional maltreatment and developmental psychopathology. <https://doi.org/10.1016/j.chiabu.2008.12.004>
- Eisenbarth, H., & Alpers, G. W. (2011). Happy mouth and sad eyes: scanning emotional facial expressions. *Emotion*, *11*(4), 860. <https://doi.org/10.1037/a0022758>

- Eisenberger, N. I. (2012). The pain of social disconnection: examining the shared neural underpinnings of physical and social pain. *Nature Reviews Neuroscience*, 13(6), 421. <https://doi.org/10.1038/nrn3231>
- Eisenberger, N. I., & Cole, S. W. (2012). Social neuroscience and health: neurophysiological mechanisms linking social ties with physical health. *Nature Neuroscience*, 15(5), 669-674. <https://doi.org/10.1038/nn.3086>
- Elmadih, A., Wan, M. W., Downey, D., Elliott, R., Swain, J. E., & Abel, K. M. (2016). Natural variation in maternal sensitivity is reflected in maternal brain responses to infant stimuli. *Behavioral neuroscience*, 130(5), 500. <https://doi.org/10.1037/bne0000161>
- Elzinga, B., Kielstra, C., van den Nouweland-van Baars, R., & Ruys-Zonnenberg, M. (2022). Samen Sterk: Een groepsprogramma voor ouders van jongeren met een depressie. *Gedragstherapie*, 55 4, 329-349. *Gedragstherapie*, 55(4), 329-349.
- Emery, N. J. (2000). The eyes have it: the neuroethology, function and evolution of social gaze. *Neuroscience & Biobehavioral Reviews*, 24(6), 581-604. [https://doi.org/10.1016/S0149-7634\(00\)00025-7](https://doi.org/10.1016/S0149-7634(00)00025-7)
- Enns, M. W., Cox, B. J., & Clara, I. (2002). Parental bonding and adult psychopathology: results from the US National Comorbidity Survey. *Psychological medicine*, 32(6), 997. <https://doi.org/10.1017/S0033291702005937>
- Erdem, C. (2019). *The Utilization of the Mirror Interview to Explore Attachment Patterns, Shame and Body Representations in Adult Men* (Publication Number 22616739) [Ph.D., The New School]. ProQuest Dissertations & Theses Global. Ann Arbor.
- Erikson, E. (1968). Youth: Identity and crisis. *New York, Ny: Ww*, 10.
- Eskritt, M., & Lee, K. (2007). *Preschoolers' use of eye-gaze for "mind reading" in Gaze-following: Its development and significance*. Psychology Press.
- Fan, Y., Duncan, N. W., de Greck, M., & Northoff, G. (2011). Is there a core neural network in empathy? An fMRI based quantitative meta-analysis. *Neuroscience & Biobehavioral Reviews*, 35(3), 903-911. <https://doi.org/10.1016/j.neubiorev.2010.10.009>

- Farroni, T., Csibra, G., Simion, F., & Johnson, M. H. (2002). Eye contact detection in humans from birth. *Proceedings of the National Academy of Sciences*, 99(14), 9602-9605. <https://doi.org/10.1073/pnas.152159999>
- Feldman, R. (2015). The adaptive human parental brain: implications for children's social development. *Trends in neurosciences*, 38(6), 387-399. <https://doi.org/10.1016/j.tins.2015.04.004>
- Feldman, R. (2017). The neurobiology of human attachments. *Trends in cognitive sciences*, 21(2), 80-99. <https://doi.org/10.1016/j.tics.2016.11.007>
- Feldman, S. S., & Elliott, G. R. (1990). *At the threshold: The developing adolescent*. Harvard University Press.
- Franck, E., De Raedt, R., Barbez, C., & Rosseel, Y. (2008). Psychometric properties of the Dutch Rosenberg self-esteem scale. *Psychologica Belgica*, 48(1), 25-35. <https://doi.org/10.5334/pb-48-1-25>
- Frith, U., & Frith, C. (2010). The social brain: allowing humans to boldly go where no other species has been. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 365(1537), 165-176. <https://doi.org/10.1098/rstb.2009.0160>
- Gallagher, S. (2014). In your face: transcendence in embodied interaction. *Frontiers in human neuroscience*, 8, 495. <https://doi.org/10.3389/fnhum.2014.00495>
- George, C., & Solomon, J. (1999). Attachment and caregiving: The caregiving behavioral system. *Handbook of attachment: Theory, research, and clinical applications*, 649-670.
- Gibb, B. E. (2002). Childhood maltreatment and negative cognitive styles: A quantitative and qualitative review. *Clinical psychology review*, 22(2), 223-246. [https://doi.org/10.1016/S0272-7358\(01\)00088-5](https://doi.org/10.1016/S0272-7358(01)00088-5)
- Gibb, B. E., Abramson, L. Y., & Alloy, L. B. (2004). Emotional maltreatment from parents, verbal peer victimization, and cognitive vulnerability to depression. *Cognitive Therapy and Research*, 28(1), 1-21. <https://doi.org/10.1023/B:COTR.0000016927.18027.c2>
- Giedd, J. N., & Rapoport, J. L. (2010). Structural MRI of pediatric brain development: what have we learned and where are we going? *Neuron*, 67(5), 728-734. <https://doi.org/10.1016/j.neuron.2010.08.040>

- Gilbert, K. E. (2012). The neglected role of positive emotion in adolescent psychopathology. *Clinical psychology review, 32*(6), 467-481. <https://doi.org/10.1016/j.cpr.2012.05.005>
- Gilbert, R., Widom, C. S., Browne, K., Fergusson, D., Webb, E., & Janson, S. (2009). Burden and consequences of child maltreatment in high-income countries. *The lancet, 373*(9657), 68-81. [https://doi.org/10.1016/S0140-6736\(08\)61706-7](https://doi.org/10.1016/S0140-6736(08)61706-7)
- Girard, T. A., Axelrod, B. N., Patel, R., & Crawford, J. R. (2015). Wechsler Adult Intelligence Scale–IV dyads for estimating global intelligence. *Assessment, 22*(4), 441-448. <https://doi.org/10.1177/1073191114551551>
- Gladstone, G. L., & Parker, G. B. (2005). The role of parenting in the development of psychopathology: An overview of research using the Parental Bonding Instrument. *Psychopathology and the family, 21*-33. <https://doi.org/10.1016/B978-008044449-9/50003-4>
- Gobin, R. L., & Freyd, J. J. (2014). The impact of betrayal trauma on the tendency to trust. *Psychological Trauma: Theory, Research, Practice, and Policy, 6*(5), 505. <https://doi.org/10.1037/a0032452>
- Gross, J. J., & John, O. P. (1997). Revealing feelings: facets of emotional expressivity in self-reports, peer ratings, and behavior. *Journal of personality and social psychology, 72*(2), 435. <https://doi.org/10.1037/0022-3514.72.2.435>
- Hall, J. K., Hutton, S. B., & Morgan, M. J. (2010). Sex differences in scanning faces: Does attention to the eyes explain female superiority in facial expression recognition? *Cognition & Emotion, 24*(4), 629-637. <https://doi.org/10.1080/02699930902906882>
- Hammen, C. (2009). Adolescent depression: Stressful interpersonal contexts and risk for recurrence. *Current Directions in Psychological Science, 18*(4), 200-204. <https://doi.org/10.1111/j.1467-8721.2009.01636.x>
- Hammen, C., Brennan, P. A., & Keenan-Miller, D. (2008). Patterns of adolescent depression to age 20: The role of maternal depression and youth interpersonal dysfunction. *Journal of abnormal child psychology, 36*(8), 1189-1198. <https://doi.org/10.1007/s10802-008-9241-9>

- Hammond, W. A., & Romney, D. M. (1995). Cognitive factors contributing to adolescent depression. *Journal of Youth and Adolescence*, 24(6), 667. <https://doi.org/10.1007/BF01536950>
- Hankin, B. L., & Abramson, L. Y. (2001). Development of gender differences in depression: An elaborated cognitive vulnerability–transactional stress theory. *Psychological Bulletin*, 127(6), 773. <https://doi.org/10.1037/0033-2909.127.6.773>
- Heaven, P. C., Newbury, K., & Mak, A. (2004). The impact of adolescent and parental characteristics on adolescent levels of delinquency and depression. *Personality and Individual Differences*, 36(1), 173-185. [https://doi.org/10.1016/S0191-8869\(03\)00077-1](https://doi.org/10.1016/S0191-8869(03)00077-1)
- Herlin, B., Navarro, V., & Dupont, S. (2021). The temporal pole: From anatomy to function—A literature appraisal. *Journal of Chemical Neuroanatomy*, 113, 101925. <https://doi.org/10.1016/j.jchemneu.2021.101925>
- Hessels, R. S. (2020). How does gaze to faces support face-to-face interaction? A review and perspective. *Psychonomic Bulletin & Review*, 1-26. <https://doi.org/10.3758/s13423-020-01715-w>
- Hietanen, J. K. (2018). Affective eye contact: an integrative review. *Frontiers in Psychology*, 9, 1587. <https://doi.org/10.3389/fpsyg.2018.01587>
- Hietanen, J. K., Helminen, T. M., Kiilavuori, H., Kylliäinen, A., Lehtonen, H., & Peltola, M. J. (2018). Your attention makes me smile: Direct gaze elicits affiliative facial expressions. *Biological psychology*, 132, 1-8. <https://doi.org/10.1016/j.biopsycho.2017.11.001>
- Hietanen, J. O., Peltola, M. J., & Hietanen, J. K. (2020). Psychophysiological responses to eye contact in a live interaction and in video call. *Psychophysiology*, 57(6), e13587. <https://doi.org/10.1111/psyp.13587>
- Hoffman, E. A., & Haxby, J. V. (2000). Distinct representations of eye gaze and identity in the distributed human neural system for face perception. *Nature Neuroscience*, 3(1), 80-84. <https://doi.org/10.1038/71152>
- Ickes, W., & Hodges, S. D. (2013). Empathic accuracy in close relationships. *Handbook of close relationships*, 348-373.

- Jackson, P. L., Brunet, E., Meltzoff, A. N., & Decety, J. (2006). Empathy examined through the neural mechanisms involved in imagining how I feel versus how you feel pain. *Neuropsychologia*, *44*(5), 752-761. <https://doi.org/10.1016/j.neuropsychologia.2005.07.015>
- Jankowski, K. F., Batres, J., Scott, H., Smyda, G., Pfeifer, J. H., & Quevedo, K. (2018). Feeling left out: Depressed adolescents may atypically recruit emotional salience and regulation networks during social exclusion. *Social Cognitive and Affective Neuroscience*, *13*(8), 863-876. <https://doi.org/10.1093/scan/nsy055>
- Jarick, M., & Bencic, R. (2019). Eye contact is a two-way street: Arousal is elicited by the sending and receiving of eye gaze information. *Frontiers in Psychology*, *10*, 1262. <https://doi.org/10.3389/fpsyg.2019.01262>
- Joiner, T. E., Lewinsohn, P. M., & Seeley, J. R. (2002). The core of loneliness: Lack of pleasurable engagement—more so than painful disconnection—predicts social impairment, depression onset, and recovery from depressive disorders among adolescents. *Journal of personality assessment*, *79*(3), 472-491. https://doi.org/10.1207/S15327752JPA7903_05
- Kammerer, Y. (2009). How to overcome the inaccuracy of fixation data—The development and evaluation of an offset correction algorithm. Scandinavian Workshop on Applied Eye-Tracking (SWAET), Stavanger, Norway,
- Kaufman, J., Birmaher, B., Brent, D., Rao, U., & Ryan, N. (1996). Kiddie-Sads-present and Lifetime version (K-SADS-PL). *Pittsburgh, University of Pittsburgh, School of Medicine*. <https://doi.org/10.1097/00004583-199707000-00021>
- Kellerman, J., Lewis, J., & Laird, J. D. (1989). Looking and loving: The effects of mutual gaze on feelings of romantic love. *Journal of research in personality*, *23*(2), 145-161. [https://doi.org/10.1016/0092-6566\(89\)90020-2](https://doi.org/10.1016/0092-6566(89)90020-2)
- Kerr, K. L., Cosgrove, K. T., Ratliff, E. L., Burrows, K., Misaki, M., Moore, A. J., DeVille, D. C., Silk, J. S., Tapert, S. F., & Bodurka, J. (2020). TEAMwork: Testing Emotional Attunement and Mutuality During Parent-Adolescent fMRI. *Frontiers in human neuroscience*, *14*, 24. <https://doi.org/10.3389/fnhum.2020.00024>
- Kiilavuori, H., Sariola, V., Peltola, M. J., & Hietanen, J. K. (2021). Making eye contact with a robot: Psychophysiological responses to eye contact with a human and with a

- humanoid robot. *Biological psychology*, 158, 107989. <https://doi.org/10.1016/j.biopsycho.2020.107989>
- Kleinke, C. L. (1986). Gaze and eye contact: a research review. *Psychological Bulletin*, 100(1), 78. <https://doi.org/10.1037/0033-2909.100.1.78>
- Kobak, R., Abbott, C., Zisk, A., & Bounoua, N. (2017). Adapting to the changing needs of adolescents: parenting practices and challenges to sensitive attunement. *Current Opinion in Psychology*, 15, 137-142. <https://doi.org/10.1016/j.copsyc.2017.02.018>
- Kobayashi, H., & Hashiya, K. (2011). The gaze that grooms: contribution of social factors to the evolution of primate eye morphology. *Evolution and Human Behavior*, 32(3), 157-165. <https://doi.org/10.1016/j.evolhumbehav.2010.08.003>
- Kochanska, G. (1997). Mutually responsive orientation between mothers and their young children: Implications for early socialization. *Child development*, 68(1), 94-112. <https://doi.org/10.1111/j.1467-8624.1997.tb01928.x>
- Kogler, L., Müller, V. I., Werminghausen, E., Eickhoff, S. B., & Derntl, B. (2020). Do I feel or do I know? Neuroimaging meta-analyses on the multiple facets of empathy. *Cortex*. <https://doi.org/10.1016/j.cortex.2020.04.031>
- Korrelboom, K., Maarsingh, M., & Huijbrechts, I. (2012). Competitive Memory Training (COMET) for treating low self-esteem in patients with depressive disorders: A randomized clinical trial. *Depression and anxiety*, 29(2), 102-110. <https://doi.org/10.1002/da.20921>
- Krienen, F. M., Tu, P. C., & Buckner, R. L. (2010). Clan mentality: evidence that the medial prefrontal cortex responds to close others. *J Neurosci*, 30(41), 13906-13915. <https://doi.org/10.1523/JNEUROSCI.2180-10.2010>
- Krill, W. E. (2011). *Gentling: A Practical Guide to Treating PTSD in Abused Children*. Loving Healing Press.
- Kroenke, K., Spitzer, R. L., & Williams, J. B. (2001). The PHQ-9: validity of a brief depression severity measure. *Journal of general internal medicine*, 16(9), 606-613. <https://doi.org/10.1046/j.1525-1497.2001.016009606.x>

- Kuo, P. X., Carp, J., Light, K. C., & Grewen, K. M. (2012). Neural responses to infants linked with behavioral interactions and testosterone in fathers. *Biological psychology*, *91*(2), 302-306. <https://doi.org/10.1016/j.biopsycho.2012.08.002>
- Kupper, N., Duijndam, S., & Karreman, A. (2020). Emotion expressivity in the Dutch: Validation of the Dutch translation of the Berkeley Expressivity Questionnaire. *Psychological Assessment*, *32*(5), e28. <https://doi.org/10.1037/pas0000812>
- Kuzmanovic, B., Georgescu, A. L., Eickhoff, S. B., Shah, N. J., Bente, G., Fink, G. R., & Vogeley, K. (2009). Duration matters: dissociating neural correlates of detection and evaluation of social gaze. *Neuroimage*, *46*(4), 1154-1163. <https://doi.org/10.1016/j.neuroimage.2009.03.037>
- Lamm, C., Decety, J., & Singer, T. (2011). Meta-analytic evidence for common and distinct neural networks associated with directly experienced pain and empathy for pain. *Neuroimage*, *54*(3), 2492-2502. <https://doi.org/10.1016/j.neuroimage.2010.10.014>
- Langner, O., Dotsch, R., Bijlstra, G., Wigboldus, D. H., Hawk, S. T., & Van Knippenberg, A. (2010). Presentation and validation of the Radboud Faces Database. *Cognition and Emotion*, *24*(8), 1377-1388. <https://doi.org/10.1080/02699930903485076>
- Laurent, H. K., & Ablow, J. C. (2012). The missing link: mothers' neural response to infant cry related to infant attachment behaviors. *Infant Behavior and Development*, *35*(4), 761-772. <https://doi.org/10.1016/j.infbeh.2012.07.007>
- Laurita, A. C., Hazan, C., & Spreng, R. N. (2017). Dissociable patterns of brain activity for mentalizing about known others: A role for attachment. *Social Cognitive and Affective Neuroscience*, *12*(7), 1072-1082. <https://doi.org/10.1093/scan/nsx040>
- Laurita, A. C., Hazan, C., & Spreng, R. N. (2019a). An attachment theoretical perspective for the neural representation of close others. *Social Cognitive and Affective Neuroscience*, *14*(3), 237-251. <https://doi.org/10.1093/scan/nsz010>
- Laurita, A. C., Hazan, C., & Spreng, R. N. (2019b). Neural signatures of chronic accessibility in parent–adult child attachment bonds. *Social neuroscience*, *14*(4), 462-469. <https://doi.org/10.1080/17470919.2018.1494037>

- Lee, T.-H., Qu, Y., & Telzer, E. H. (2017). Love flows downstream: mothers' and children's neural representation similarity in perceiving distress of self and family. *Social Cognitive and Affective Neuroscience*, 12(12), 1916-1927. <https://doi.org/10.1093/scan/nsx125>
- Leibenluft, E., Gobbini, M. I., Harrison, T., & Haxby, J. V. (2004). Mothers' neural activation in response to pictures of their children and other children. *Biological psychiatry*, 56(4), 225-232. <https://doi.org/10.1016/j.biopsych.2004.05.017>
- Lemogne, C., Gorwood, P., Bergouignan, L., Pélissolo, A., Lehericy, S., & Fossati, P. (2011). Negative affectivity, self-referential processing and the cortical midline structures. *Social Cognitive and Affective Neuroscience*, 6(4), 426-433. <https://doi.org/10.1093/scan/nsq049>
- Lenzi, D., Trentini, C., Pantano, P., Macaluso, E., Iacoboni, M., Lenzi, G., & Ammaniti, M. (2009). Neural basis of maternal communication and emotional expression processing during infant preverbal stage. *Cerebral cortex*, 19(5), 1124-1133. <https://doi.org/10.1093/cercor/bhn153>
- Long, M., Verbeke, W., Ein-Dor, T., & Vrtička, P. (2020). A functional neuro-anatomical model of human attachment (NAMA): Insights from first-and second-person social neuroscience. *Cortex*, 126, 281-321. <https://doi.org/10.1016/j.cortex.2020.01.010>
- Lotto, C. R., Altafim, E. R. P., & Linhares, M. B. M. (2023). Maternal history of childhood adversities and later negative parenting: A systematic review. *Trauma, Violence, & Abuse*, 24(2), 662-683. <https://doi.org/10.1177/15248380211036076>
- Lovas, D. A., & Schuman-Olivier, Z. (2018). Mindfulness-based cognitive therapy for bipolar disorder: A systematic review. *Journal of Affective Disorders*, 240, 247-261. <https://doi.org/10.1016/j.jad.2018.06.017>
- Luyten, P., Nijssens, L., Fonagy, P., & Mayes, L. C. (2017). Parental reflective functioning: Theory, research, and clinical applications. *The Psychoanalytic Study of the Child*, 70(1), 174-199. <https://doi.org/10.1080/00797308.2016.1277901>
- Madigan, S., Cyr, C., Eirich, R., Fearon, R. P., Ly, A., Rash, C., Poole, J. C., & Alink, L. R. (2019). Testing the cycle of maltreatment hypothesis: Meta-analytic evidence of the intergenerational transmission of child maltreatment. *Development and Psychopathology*, 31(1), 23-51. <https://doi.org/10.1017/S0954579418001700>

- Manczak, E. M., DeLongis, A., & Chen, E. (2016). Does empathy have a cost? Diverging psychological and physiological effects within families. *Health Psychology, 35*(3), 211. <https://doi.org/10.1037/hea0000281>
- Manczak, E. M., Leigh, A. K., Chin, C.-P., & Chen, E. (2018). Consistency matters: Consistency in the timing and quality of daily interactions between parents and adolescents predicts production of proinflammatory cytokines in youths. *Development and Psychopathology, 30*(2), 373-382. <https://doi.org/10.1017/S0954579417000918>
- Martínez-Velázquez, E. S., González, A. L. A., Chamorro, Y., & Sequeira, H. (2020). The influence of empathy trait and gender on empathic responses. A study with dynamic emotional stimulus and eye movement recordings. *Frontiers in Psychology, 11*. <https://doi.org/10.3389/fpsyg.2020.00023>
- Mason, M. F., Tatkow, E. P., & Macrae, C. N. (2005). The look of love: Gaze shifts and person perception. *Psychological Science, 16*(3), 236-239. <https://doi.org/10.1111/j.0956-7976.2005.00809.x>
- Maughan, B., & Rutter, M. (1997). Retrospective reporting of childhood adversity: Issues in assessing long-term recall. *Journal of personality disorders, 11*(1), 19-33. <https://doi.org/10.1521/pedi.1997.11.1.19>
- McCranie, E. W., & Bass, J. D. (1984). Childhood family antecedents of dependency and self-criticism: implications for depression. *Journal of abnormal psychology, 93*(1), 3. <https://doi.org/10.1037/0021-843X.93.1.3>
- Mckiernan, K. A., Kaufman, J. N., Kucera-Thompson, J., & Binder, J. R. (2003). A parametric manipulation of factors affecting task-induced deactivation in functional neuroimaging. *Journal of cognitive neuroscience, 15*(3), 394-408. <https://doi.org/10.1162/089892903321593117>
- Michalska, K. J., Decety, J., Liu, C., Chen, Q., Martz, M. E., Jacob, S., Hipwell, A., Lee, S. S., Chronis-Tuscano, A., & Waldman, I. D. (2014). Genetic imaging of the association of oxytocin receptor gene (OXTR) polymorphisms with positive maternal parenting. *Frontiers in Behavioral Neuroscience, 8*, 21. <https://doi.org/10.3389/fnbeh.2014.00021>
- Milojevich, H. M., Norwalk, K. E., & Sheridan, M. A. (2019). Deprivation and threat, emotion dysregulation, and psychopathology: Concurrent and longitudinal associations. *Development and Psychopathology, 31*(3), 847-857.

- Mitchell, J. P. (2009). Inferences about mental states. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1521), 1309-1316. <https://doi.org/10.1098/rstb.2008.0318>
- Montemayor, R. (1983). Parents and adolescents in conflict: All families some of the time and some families most of the time. *The Journal of Early Adolescence*, 3(1-2), 83-103. <https://doi.org/10.1177/027243168331007>
- Montemayor, R. (1986). Family variation in parent-adolescent storm and stress. *Journal of adolescent research*, 1(1), 15-31. <https://doi.org/10.1177/074355488611003>
- Montgomery, D. E., Back, L. M., & Moran, C. (1998). Children's use of looking behavior as a cue to detect another's goal. *Child development*, 69(3), 692-705. <https://doi.org/10.1111/j.1467-8624.1998.tb06237.x>
- Moran, J. M., Macrae, C. N., Heatherton, T. F., Wyland, C. L., & Kelley, W. M. (2006). Neuroanatomical evidence for distinct cognitive and affective components of self. *Journal of cognitive neuroscience*, 18(9), 1586-1594. <https://doi.org/10.1162/jocn.2006.18.9.1586>
- Morris, A. S., Squeglia, L. M., Jacobus, J., & Silk, J. S. (2018). Adolescent brain development: Implications for understanding risk and resilience processes through neuroimaging research. *Journal of Research on Adolescence*, 28(1), 4-9. <https://doi.org/10.1111/jora.12379>
- Muris, P., Bodden, D., Hale, W., Birmaher, B., & Mayer, B. (2007). SCARED-NL. Vragenlijst over angst en bang-zijn bij kinderen en adolescenten.
- Murray, R. J., Schaer, M., & Debbané, M. (2012). Degrees of separation: a quantitative neuroimaging meta-analysis investigating self-specificity and shared neural activation between self-and other-reflection. *Neuroscience & Biobehavioral Reviews*, 36(3), 1043-1059. <https://doi.org/10.1016/j.neubiorev.2011.12.013>
- Musser, E. D., Kaiser-Laurent, H., & Ablow, J. C. (2012). The neural correlates of maternal sensitivity: an fMRI study. *Developmental cognitive neuroscience*, 2(4), 428-436. <https://doi.org/10.1016/j.dcn.2012.04.003>
- Nelson, E. E., Jarcho, J. M., & Guyer, A. E. (2016). Social re-orientation and brain development: An expanded and updated view. *Developmental cognitive neuroscience*, 17, 118-127. <https://doi.org/10.1016/j.dcn.2015.12.008>

- Nelson, E. E., Leibenluft, E., McClure, E. B., & Pine, D. S. (2005). The social re-orientation of adolescence: a neuroscience perspective on the process and its relation to psychopathology. *Psychological medicine*, 35(2), 163-174. <https://doi.org/10.1017/S0033291704003915>
- Northoff, G., Heinzel, A., De Greck, M., Bermpohl, F., Dobrowolny, H., & Panksepp, J. (2006). Self-referential processing in our brain—a meta-analysis of imaging studies on the self. *Neuroimage*, 31(1), 440-457. <https://doi.org/10.1016/j.neuroimage.2005.12.002>
- Nyström, M., Andersson, R., Holmqvist, K., & Van De Weijer, J. (2013). The influence of calibration method and eye physiology on eyetracking data quality. *Behavior research methods*, 45(1), 272-288. <https://doi.org/10.3758/s13428-012-0247-4>
- Oldfield, R. C. (1971). The assessment and analysis of handedness: the Edinburgh inventory. *Neuropsychologia*, 9(1), 97-113. [https://doi.org/10.1016/0028-3932\(71\)90067-4](https://doi.org/10.1016/0028-3932(71)90067-4)
- Parker, G., Tupling, H., & Brown, L. B. (1979). A parental bonding instrument. *British journal of medical psychology*, 52(1), 1-10. <https://doi.org/10.1111/j.2044-8341.1979.tb02487.x>
- Pavlidis, K., & McCauley, E. (2001). Autonomy and relatedness in family interactions with depressed adolescents. *Journal of abnormal child psychology*, 29(1), 11-21. <https://doi.org/10.1023/A:1005295328151>
- Perry, D., Hendler, T., & Shamay-Tsoory, S. G. (2011). Can we share the joy of others? Empathic neural responses to distress vs joy. *Social Cognitive and Affective Neuroscience*, 7(8), 909-916. <https://doi.org/10.1093/scan/nsr073>
- Petersen, A. C., Crockett, L., Richards, M., & Boxer, A. (1988). A self-report measure of pubertal status: Reliability, validity, and initial norms. *Journal of Youth and Adolescence*, 17(2), 117-133. <https://doi.org/10.1007/BF01537962>
- Petrowski, K., Wintermann, G.-B., Hübner, T., Smolka, M. N., & Donix, M. (2019). Neural Responses to Faces of Attachment Figures and Unfamiliar Faces: Associations With Organized and Disorganized Attachment Representations. *The Journal of nervous and mental disease*, 207(2), 112-120. <https://doi.org/10.1097/NMD.0000000000000931>
- Pfeiffer, U. J., Vogeley, K., & Schilbach, L. (2013). From gaze cueing to dual eye-tracking: novel approaches to investigate the neural correlates of gaze in social interaction.

- Neuroscience & Biobehavioral Reviews*, 37(10), 2516-2528. <https://doi.org/10.1016/j.neubiorev.2013.07.017>
- Poldrack, R. A., Baker, C. I., Durnez, J., Gorgolewski, K. J., Matthews, P. M., Munafò, M. R., Nichols, T. E., Poline, J.-B., Vul, E., & Yarkoni, T. (2017). Scanning the horizon: towards transparent and reproducible neuroimaging research. *Nature Reviews Neuroscience*, 18(2), 115-126. <https://doi.org/10.1038/nrn.2016.167>
- Pratt, M., Goldstein, A., Levy, J., & Feldman, R. (2017). Maternal depression across the first years of life impacts the neural basis of empathy in preadolescence. *Journal of the American Academy of Child & Adolescent Psychiatry*, 56(1), 20-29. e23. <https://doi.org/10.1016/j.jaac.2016.10.012>
- Puetz, V., Viding, E., Maguire, E., Mechelli, A., Armbruster-Genc, D., Sharp, M., Rankin, G., Gerin, M., & McCrory, E. (2021). Functional brain plasticity following childhood maltreatment: A longitudinal fMRI investigation of autobiographical memory processing. *Development and Psychopathology*, 1-8.
- R Core Team. (2013). R: A language and environment for statistical computing.
- Ramon, M., & Gobbi, M. I. (2018). Familiarity matters: A review on prioritized processing of personally familiar faces. *Visual Cognition*, 26(3), 179-195. <https://doi.org/10.1080/13506285.2017.1405134>
- Regenbogen, C., Schneider, D. A., Finkelmeyer, A., Kohn, N., Derntl, B., Kellermann, T., Gur, R. E., Schneider, F., & Habel, U. (2012). The differential contribution of facial expressions, prosody, and speech content to empathy. *Cognition & Emotion*, 26(6), 995-1014. <https://doi.org/10.1080/02699931.2011.631296>
- Restifo, K., & Bögels, S. (2009). Family processes in the development of youth depression: Translating the evidence to treatment. *Clinical psychology review*, 29(4), 294-316. <https://doi.org/10.1016/j.cpr.2009.02.005>
- Revelle, W. (2012). Procedures for psychological, psychometric, and personality research. *Acesso em*, 9.
- Reyome, N. D. (2010). Childhood emotional maltreatment and later intimate relationships: Themes from the empirical literature. *Journal of Aggression, Maltreatment & Trauma*, 19(2), 224-242. <https://doi.org/10.1080/10926770903539664>

- Richaud, M. C., Mesurado, B., & Lemos, V. (2013). Links between perception of parental actions and prosocial behavior in early adolescence. *Journal of Child and Family Studies*, 22(5), 637-646. <https://doi.org/10.1007/s10826-012-9617-x>
- Riem, M. M., Bakermans-Kranenburg, M. J., Pieper, S., Tops, M., Boksem, M. A., Vermeiren, R. R., van IJzendoorn, M. H., & Rombouts, S. A. (2011). Oxytocin modulates amygdala, insula, and inferior frontal gyrus responses to infant crying: a randomized controlled trial. *Biological psychiatry*, 70(3), 291-297. <https://doi.org/10.1016/j.biopsych.2011.02.006>
- Riggs, S. A. (2010). Childhood emotional abuse and the attachment system across the life cycle: What theory and research tell us. *Journal of Aggression, Maltreatment & Trauma*, 19(1), 5-51. <https://doi.org/10.1080/10926770903475968>
- Robson, K. S. (1967). The role of eye-to-eye contact in maternal-infant attachment. *Journal of Child Psychology and Psychiatry*, 8(1), 13-25. <https://doi.org/10.1111/j.1469-7610.1967.tb02176.x>
- Rolls, E. T., Huang, C.-C., Lin, C.-P., Feng, J., & Joliot, M. (2019). Automated anatomical labelling atlas 3. *Neuroimage*, 116189. <https://doi.org/10.1016/j.neuroimage.2019.116189>
- Rose, D., & Abramson, L. (1992). *Developmental predictors of depressive cognitive style: Research and theory In Cicchetti D & Toth S (Eds.), Rochester Symposium of Developmental Psychopathology*. University of Rochester Press, Rochester, NY.
- Rosenberg, M. *Society and the adolescent self-image*. Vol. 11 (Princeton University Press, Princeton, 1965).
- Saito, D. N., Tanabe, H. C., Izuma, K., Hayashi, M. J., Morito, Y., Komeda, H., Uchiyama, H., Kosaka, H., Okazawa, H., & Fujibayashi, Y. (2010). "Stay tuned": inter-individual neural synchronization during mutual gaze and joint attention. *Frontiers in integrative neuroscience*, 4, 127. <https://doi.org/10.3389/fnint.2010.00127>
- Schore, A. N. (2013). Relational trauma, brain development, and dissociation.
- Schurz, M., Radua, J., Tholen, M. G., Maliske, L., Margulies, D. S., Mars, R. B., Sallet, J., & Kanske, P. (2020). Toward a hierarchical model of social cognition: A neuroimaging meta-analysis and integrative review of empathy and theory of mind. *Psychological Bulletin*. <https://doi.org/10.1037/bul0000303>

- Schwartz, O. S., Byrne, M. L., Simmons, J. G., Whittle, S., Dudgeon, P., Yap, M. B., Sheeber, L. B., & Allen, N. B. (2014). Parenting during early adolescence and adolescent-onset major depression: A 6-year prospective longitudinal study. *Clinical Psychological Science, 2*(3), 272-286. <https://doi.org/10.1177/2167702613505531>
- Senju, A., & Johnson, M. H. (2009). The eye contact effect: mechanisms and development. *Trends in cognitive sciences, 13*(3), 127-134. <https://doi.org/10.1016/j.tics.2008.11.009>
- Shamay-Tsoory, S. G. (2011). The neural bases for empathy. *The Neuroscientist, 17*(1), 18-24. <https://doi.org/10.1177/1073858410379268>
- Shamay-Tsoory, S. G., Aharon-Peretz, J., & Perry, D. (2009). Two systems for empathy: a double dissociation between emotional and cognitive empathy in inferior frontal gyrus versus ventromedial prefrontal lesions. *Brain, 132*(3), 617-627. <https://doi.org/10.1093/brain/awn279>
- Shanahan, L., McHale, S. M., Osgood, D. W., & Crouter, A. C. (2007). Conflict frequency with mothers and fathers from middle childhood to late adolescence: Within-and between-families comparisons. *Developmental Psychology, 43*(3), 539. <https://doi.org/10.1037/0012-1649.43.3.539>
- Sheeber, L., Hops, H., Alpert, A., Davis, B., & Andrews, J. (1997). Family support and conflict: Prospective relations to adolescent depression. *Journal of abnormal child psychology, 25*(4), 333-344. <https://doi.org/10.1023/A:1025768504415>
- Sheeber, L., Hops, H., & Davis, B. (2001). Family processes in adolescent depression. *Clinical child and family psychology review, 4*(1), 19-35. <https://doi.org/10.1023/A:1009524626436>
- Sheeber, L., & Sorensen, E. (1998). Family relationships of depressed adolescents: A multimethod assessment. *Journal of clinical child psychology, 27*(3), 268-277. https://doi.org/10.1207/s15374424jccp2703_4
- Sheehan, D. V., Lecrubier, Y., Sheehan, K. H., Amorim, P., Janavs, J., Weiller, E., Hergueta, T., Baker, R., & Dunbar, G. C. (1998). The Mini-International Neuropsychiatric Interview (MINI): the development and validation of a structured diagnostic psychiatric interview for DSM-IV and ICD-10. *The Journal of clinical psychiatry*. [https://doi.org/10.1016/S0924-9338\(97\)83296-8](https://doi.org/10.1016/S0924-9338(97)83296-8)

- Shimon-Raz, O., Salomon, R., Bloch, M., Romano, G. A., Yeshurun, Y., Yaniv, A. U., Zagoory-Sharon, O., & Feldman, R. (2021). Mother brain is wired for social moments. *Elife*, *10*, e59436. <https://doi.org/10.7554/eLife.59436>
- Simon, E., & Bögels, S. M. (2009). Screening for anxiety disorders in children. *European Child & Adolescent Psychiatry*, *18*(10), 625-634. <https://doi.org/10.1007/s00787-009-0023-x>
- Singer, T., Seymour, B., O'doherty, J., Kaube, H., Dolan, R. J., & Frith, C. D. (2004). Empathy for pain involves the affective but not sensory components of pain. *Science*, *303*(5661), 1157-1162. <https://doi.org/10.1126/science.1093535>
- Soenens, B., Duriez, B., Vansteenkiste, M., & Goossens, L. (2007). The intergenerational transmission of empathy-related responding in adolescence: The role of maternal support. *Personality and Social Psychology Bulletin*, *33*(3), 299-311. <https://doi.org/10.1177/0146167206296300>
- Somerville, L. H. (2013). The teenage brain: Sensitivity to social evaluation. *Current Directions in Psychological Science*, *22*(2), 121-127. <https://doi.org/10.1177/0963721413476512>
- Somerville, L. H., Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. (2013). The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence. *Psychological Science*, *24*(8), 1554-1562. <https://doi.org/10.1177/0956797613475633>
- Spertus, I. L., Yehuda, R., Wong, C. M., Halligan, S., & Seremetis, S. V. (2003). Childhood emotional abuse and neglect as predictors of psychological and physical symptoms in women presenting to a primary care practice. *Child abuse & neglect*, *27*(11), 1247-1258. <https://doi.org/10.1016/j.chiabu.2003.05.001>
- Spinhoven, P., Elzinga, B. M., Van Hemert, A. M., de Rooij, M., & Penninx, B. W. (2016). Childhood maltreatment, maladaptive personality types and level and course of psychological distress: A six-year longitudinal study. *Journal of Affective Disorders*, *191*, 100-108. <https://doi.org/10.1016/j.jad.2015.11.036>
- Spreng, R. N., & Mar, R. A. (2012). I remember you: a role for memory in social cognition and the functional neuroanatomy of their interaction. *Brain research*, *1428*, 43-50. <https://doi.org/10.1016/j.brainres.2010.12.024>

- Steinberg, L., & Silk, J. S. (2002). Parenting adolescents. *Handbook of parenting, 1*, 103-133.
- Stern, J. A., Borelli, J. L., & Smiley, P. A. (2015). Assessing parental empathy: A role for empathy in child attachment. *Attachment & human development, 17*(1), 1-22. <https://doi.org/10.1080/14616734.2014.969749>
- Stoltenborgh, M., Bakermans-Kranenburg, M. J., Alink, L. R., & van IJzendoorn, M. H. (2015). The prevalence of child maltreatment across the globe: Review of a series of meta-analyses. *Child Abuse Review, 24*(1), 37-50. <https://doi.org/10.1002/car.2353>
- Suffel, A., Nagels, A., Steines, M., Kircher, T., & Straube, B. (2020). Feeling addressed! The neural processing of social communicative cues in patients with major depression. *Human brain mapping, 41*(13), 3541-3554. <https://doi.org/10.1002/hbm.25027>
- Swain, J. E., Kim, P., Spicer, J., Ho, S., Dayton, C. J., Elmadih, A., & Abel, K. (2014). Approaching the biology of human parental attachment: Brain imaging, oxytocin and coordinated assessments of mothers and fathers. *Brain research, 1580*, 78-101. <https://doi.org/10.1016/j.brainres.2014.03.007>
- Talmon, A., Dixon, M. L., Goldin, P. R., Heimberg, R. G., & Gross, J. J. (2021). Neurocognitive heterogeneity in social anxiety disorder: The role of self-referential processing and childhood maltreatment. *Clinical Psychological Science, 9*(6), 1045-1058.
- Tang, D., & Schmeichel, B. J. (2015). Look me in the eye: Manipulated eye gaze affects dominance mindsets. *Journal of Nonverbal Behavior, 39*(2), 181-194. <https://doi.org/10.1007/s10919-015-0206-8>
- Taylor, M. J., Arsalidou, M., Bayless, S. J., Morris, D., Evans, J. W., & Barbeau, E. J. (2009). Neural correlates of personally familiar faces: parents, partner and own faces. *Human brain mapping, 30*(7), 2008-2020. <https://doi.org/10.1002/hbm.20646>
- Thew, G. R., Gregory, J. D., Roberts, K., & Rimes, K. A. (2017). Self-critical thinking and overgeneralization in depression and eating disorders: An experimental study. *Behavioural and Cognitive Psychotherapy, 45*(5), 510-523. <https://doi.org/10.1017/S1352465817000327>
- Thombs, B. D., Bernstein, D. P., Lobbestael, J., & Arntz, A. (2009). A validation study of the Dutch Childhood Trauma Questionnaire-Short Form: factor structure, reliability,

- and known-groups validity. *Child abuse & neglect*. <https://doi.org/10.1016/j.chiabu.2009.03.001>
- Timmers, I., Park, A. L., Fischer, M. D., Kronman, C. A., Heathcote, L. C., Hernandez, J. M., & Simons, L. E. (2018). Is empathy for pain unique in its neural correlates? A meta-analysis of neuroimaging studies of empathy. *Frontiers in Behavioral Neuroscience*, *12*. <https://doi.org/10.3389/fnbeh.2018.00289>
- Tools Psychology Software. (2012). E-Prime 2.0. *PST, Sharpsburg PA*.
- Tottenham, N., Hare, T. A., Millner, A., Gilhooly, T., Zevin, J. D., & Casey, B. (2011). Elevated amygdala response to faces following early deprivation. *Developmental science*, *14*(2), 190-204. <https://doi.org/10.1111/j.1467-7687.2010.00971.x>
- Turpyn, C. C. (2018). *Parenting Adolescents: Towards a Neurobiological Framework for Parent-focused Intervention* [George Mason University].
- Turpyn, C. C., Niehaus, C., Faundez, F., Thompson, J. C., & Chaplin, T. M. (2020). Maternal Neurobiological Processing of Negative Adolescent Stimuli: Relations With Positive Parenting and Relationship Quality. *Journal of Research on Adolescence*, *30*, 458-471. <https://doi.org/10.1111/jora.12490>
- Ulmer-Yaniv, A., Waidergoren, S., Shaked, A., Salomon, R., & Feldman, R. (2021). Neural representation of the parent-child attachment from infancy to adulthood. *Social Cognitive and Affective Neuroscience*. <https://doi.org/10.1093/scan/nsab132>
- Vaidya, A. R., Jin, C., & Fellows, L. K. (2014). Eye spy: The predictive value of fixation patterns in detecting subtle and extreme emotions from faces. *Cognition*, *133*(2), 443-456. <https://doi.org/10.1016/j.cognition.2014.07.004>
- van Buuren, M., Sijtsma, H., Lute, N., van Rijn, R., Hollarek, M., Walsh, R. J., Lee, N. C., & Krabbendam, L. (2022). Development of the neural correlates of self-and other-referential processing across adolescence. *Neuroimage*, *252*, 119032. <https://doi.org/10.1016/j.neuroimage.2022.119032>
- van der Meer, L., Costafreda, S., Aleman, A., & David, A. S. (2010). Self-reflection and the brain: a theoretical review and meta-analysis of neuroimaging studies with implications for schizophrenia. *Neuroscience & Biobehavioral Reviews*, *34*(6), 935-946. <https://doi.org/10.1016/j.neubiorev.2009.12.004>

- van der Meulen, M., Steinbeis, N., Achterberg, M., Bilo, E., van den Bulk, B. G., van IJzendoorn, M. H., & Crone, E. A. (2017). The neural correlates of dealing with social exclusion in childhood. *Neuropsychologia*, *103*, 29-37. <https://doi.org/10.1016/j.neuropsychologia.2017.07.008>
- van Harmelen, A.-L., de Jong, P. J., Glashouwer, K. A., Spinhoven, P., Penninx, B. W., & Elzinga, B. M. (2010). Child abuse and negative explicit and automatic self-associations: the cognitive scars of emotional maltreatment. *Behaviour research and therapy*, *48*(6), 486-494. <https://doi.org/10.1016/j.brat.2010.02.003>
- van Harmelen, A.-L., van Tol, M.-J., Demenescu, L. R., van der Wee, N. J., Veltman, D. J., Aleman, A., van Buchem, M. A., Spinhoven, P., Penninx, B. W., & Elzinga, B. M. (2013). Enhanced amygdala reactivity to emotional faces in adults reporting childhood emotional maltreatment. *Social Cognitive and Affective Neuroscience*, *8*(4), 362-369. <https://doi.org/10.1093/scan/nss007>
- van Houtum, L. A., van Schie, C. C., Wever, M. C., Janssen, L. H., Wentholt, W. G., Tailby, C., Grenyer, B. F. S., Will, G.-J., Tollenaar, M. S., & Elzinga, B. M. (2023). Aberrant neural network activation during reliving of autobiographical memories in adolescent depression. *Under review*.
- van Houtum, L. A., Wever, M. C., Janssen, L. H., van Schie, C. C., Will, G.-J., Tollenaar, M. S., & Elzinga, B. M. (2021). Vicarious praise and pain: parental neural responses to social feedback about their adolescent child. *Social Cognitive and Affective Neuroscience*, *16*(4), 406-417. <https://doi.org/10.1093/scan/nsab004>
- van Houtum, L. A., wever, M. C., van Schie, C. C., Janssen, L. H., Wentholt, W. G., Tollenaar, M. S., Will, G.-J., & Elzinga, B. M. (2023). Sticky criticism? Affective and neural responses to parental criticism and praise in adolescents with depression. *Under review*.
- van Houtum, L. A., Will, G.-J., Wever, M. C., Janssen, L. H., van Schie, C. C., Tollenaar, M. S., & Elzinga, B. M. (2022). Adolescents' affective and neural responses to parental praise and criticism. *Developmental cognitive neuroscience*, *54*, 101099. <https://doi.org/10.1016/j.dcn.2022.101099>
- Van Steensel, F., & Bögels, S. (2014). An adult version of the screen for child anxiety related emotional disorders (SCARED-A). *Netherlands Journal of Psychology*, *68*.

- Vergallito, A., Mattavelli, G., Gerfo, E. L., Anzani, S., Rovagnati, V., Speciale, M., Vinai, P., Vinai, P., Vinai, L., & Lauro, L. J. R. (2020). Explicit and implicit responses of seeing own vs. others' emotions: An electromyographic study on the neurophysiological and cognitive basis of the self-mirroring technique. *Frontiers in Psychology, 11*, 433. <https://doi.org/10.3389/fpsyg.2020.00433>
- Vijayakumar, N., Cheng, T. W., & Pfeifer, J. H. (2017). Neural correlates of social exclusion across ages: A coordinate-based meta-analysis of functional MRI studies. *Neuroimage, 153*, 359-368. <https://doi.org/10.1016/j.neuroimage.2017.02.050>
- Viola, P., & Jones, M. (2001). Rapid object detection using a boosted cascade of simple features. *Proceedings of the 2001 IEEE computer society conference on computer vision and pattern recognition. CVPR 2001, 1*, 1-1. <https://doi.org/10.1109/CVPR.2001.990517>
- Wager, T. D., Davidson, M. L., Hughes, B. L., Lindquist, M. A., & Ochsner, K. N. (2008). Prefrontal-subcortical pathways mediating successful emotion regulation. *Neuron, 59*(6), 1037-1050. <https://doi.org/10.1016/j.neuron.2008.09.006>
- Wan, M. W., Downey, D., Strachan, H., Elliott, R., Williams, S. R., & Abel, K. M. (2014). The neural basis of maternal bonding. *PLoS one, 9*(3). <https://doi.org/10.1371/journal.pone.0088436>
- Warmingham, J. M., Handley, E. D., Rogosch, F. A., Manly, J. T., & Cicchetti, D. (2019). Identifying maltreatment subgroups with patterns of maltreatment subtype and chronicity: A latent class analysis approach. *Child abuse & neglect, 87*, 28-39.
- Waytz, A., & Mitchell, J. P. (2011). Two mechanisms for simulating other minds: dissociations between mirroring and self-projection. *Current Directions in Psychological Science, 20*(3), 197-200. <https://doi.org/10.1177/0963721411409007>
- Wechsler, D. (2012). Wechsler Adult Intelligence Scale - Fourth Edition - Nederlandse Bewerking. Technische Handleiding. *Amsterdam: Pearson Assessment and Information BV*.
- Wentholt, W. G., Meurs, E. A., Janssen, L. H., Houtum, L. A., Wever, M. C., Tollenaar, M. S., & Elzinga, B. M. (In prep.). Parental autonomy support and psychological control in the context of parent-child interactions: Development of a coding system and application in a sample of depressed adolescents.

- Wever, M. C., van Houtum, L. A., Janssen, L. H., Wentholt, W. G., Spruit, I. M., Tollenaar, M. S., Will, G.-J., & Elzinga, B. M. (2022). Neural and Affective Responses to Prolonged Eye Contact with One's Own Adolescent Child and Unfamiliar Others. *Neuroimage*, 119463. <https://doi.org/10.1016/j.neuroimage.2022.119463>
- Wever, M. C., van Houtum, L. A., Janssen, L. H., Will, G.-J., Tollenaar, M. S., & Elzinga, B. M. (2021). Neural signatures of parental empathic responses to imagined suffering of their adolescent child. *Neuroimage*, 232, 117886. <https://doi.org/10.1016/j.neuroimage.2021.117886>
- Wickham, H., Chang, W., & Wickham, M. H. (2016). Package 'ggplot2'. *Create Elegant Data Visualisations Using the Grammar of Graphics. Version, 2(1)*, 1-189.
- Wilkinson, M. (2010). *Changing Minds in Therapy: Emotion, Attachment, Trauma, and Neurobiology (Norton Series on Interpersonal Neurobiology)*. WW Norton & Company.
- Will, G.-J., Moutoussis, M., Womack, P. M., Bullmore, E. T., Goodyer, I. M., Fonagy, P., Jones, P. B., Rutledge, R. B., & Dolan, R. J. (2020). Neurocomputational mechanisms underpinning aberrant social learning in young adults with low self-esteem. *Translational psychiatry*, 10(1), 1-14. <https://doi.org/10.1038/s41398-020-0702-4>
- Will, G.-J., Rutledge, R. B., Moutoussis, M., & Dolan, R. J. (2017). Neural and computational processes underlying dynamic changes in self-esteem. *Elife*, 6, e28098. <https://doi.org/10.7554/eLife.28098>
- Will, G.-J., van Lier, P. A., Crone, E. A., & Güroğlu, B. (2016). Chronic childhood peer rejection is associated with heightened neural responses to social exclusion during adolescence. *Journal of abnormal child psychology*, 44(1), 43-55. <https://doi.org/10.1007/s10802-015-9983-0>
- Wilson, S., Hicks, B. M., Foster, K. T., McGue, M., & Iacono, W. G. (2015). Age of onset and course of major depressive disorder: associations with psychosocial functioning outcomes in adulthood. *Psychological medicine*, 45(3), 505-514. <https://doi.org/10.1017/S0033291714001640>
- Wright, M. O. D., Crawford, E., & Del Castillo, D. (2009). Childhood emotional maltreatment and later psychological distress among college students: The mediating role of maladaptive schemas. *Child abuse & neglect*, 33(1), 59-68. <https://doi.org/10.1016/j.chiabu.2008.12.007>

- Yap, M. B., Schwartz, O. S., Byrne, M. L., Simmons, J. G., & Allen, N. B. (2010). Maternal positive and negative interaction behaviors and early adolescents' depressive symptoms: Adolescent emotion regulation as a mediator. *Journal of Research on Adolescence*, 20(4), 1014-1043. <https://doi.org/10.1111/j.1532-7795.2010.00665.x>
- Yap, M. B. H., Pilkington, P. D., Ryan, S. M., & Jorm, A. F. (2014). Parental factors associated with depression and anxiety in young people: A systematic review and meta-analysis. *Journal of Affective Disorders*, 156, 8-23. <https://doi.org/10.1016/j.jad.2013.11.007>
- Yoshimura, S., Okamoto, Y., Onoda, K., Matsunaga, M., Ueda, K., & Suzuki, S.-i. (2010). Rostral anterior cingulate cortex activity mediates the relationship between the depressive symptoms and the medial prefrontal cortex activity. *Journal of Affective Disorders*, 122(1-2), 76-85. <https://doi.org/10.1016/j.jad.2009.06.017>
- Ypsilanti, A., Robson, A., Lazuras, L., Powell, P.A., & Overton, P.G. (2020). Self-disgust, loneliness and mental health outcomes in older adults: an eye-tracking study. *Journal of Affective Disorders*, 266, 646-654. <https://doi.org/10.1016/j.jad.2020.01.166>
- Zaki, J., Bolger, N., & Ochsner, K. (2008). It takes two: The interpersonal nature of empathic accuracy. *Psychological Science*, 19(4), 399-404. <https://doi.org/10.1111/j.1467-9280.2008.02099.x>
- Zaki, J., Bolger, N., & Ochsner, K. (2009). Unpacking the informational bases of empathic accuracy. *Emotion*, 9(4), 478. <https://doi.org/10.1037/a0016551>
- Zaki, J., & Ochsner, K. N. (2012). The neuroscience of empathy: progress, pitfalls and promise. *Nature Neuroscience*, 15(5), 675-680. <https://doi.org/10.1038/nn.3085>

ABOUT THE AUTHOR (CURRICULUM VITAE)

Mirjam Cecilia Maria Wever was born on the 3rd of March 1991 in Oosterblokker, the Netherlands. After graduating from secondary school in 2009 (Atheneum, Tabor college, Oscar Romero in Hoorn), Mirjam obtained her Bachelor's degree in Psychobiology (2012) at the University of Amsterdam and her Research Master's degree in Neuroscience (2014) at the VU University Amsterdam. Passionate about the cutting edge of psychology and neurobiology and with a special interest for clinical disorders and neuroimaging techniques, she started to work as a research assistant at various locations. Mirjam worked as a research assistant at the Image Sciences Institute in the Nutritional Neuroscience lab, UMC Utrecht, under supervision of dr. Paul Smeets (2014-2015), to gain extensive research experience on functional neuroimaging. Subsequently, she worked as a research assistant at Rintveld Eating Disorders, Zeist, under supervision of prof.dr. Annemarie van Elburg and dr. Unna Danner (2015-2017), to broaden her knowledge about doing research in a clinical setting.

In 2017 Mirjam started her five-year PhD project as part of an NWO VICI project at the Department of Clinical Psychology at Leiden University. Under the supervision of prof.dr. Bernet Elzinga, dr. Geert-Jan Will, and dr. Marieke Tollenaar, she explored the neural and affective signatures of connectedness between parents and adolescents. During her PhD, Mirjam received training from the Dutch-Flemish postgraduate school for Experimental Psychopathology (EPP) and the Graduate School of Social and Behavioral Sciences of Leiden University. Furthermore, she performed various teaching tasks, such as training and supervision of multiple Clinical Psychology master students in writing their thesis and conducting clinical research, and teaching several bachelor and master courses.

Currently, Mirjam continues her work as a postdoctoral researcher within the RE-PAIR project in the lab of prof.dr. Bernet Elzinga.

LIST OF PUBLICATIONS

PUBLICATIONS IN THIS DISSERTATION

Wever, M.C.M., Will, G.-J., van Houtum, L.A.E.M., Janssen, L.H.C., Wentholt, W.G.M., Spruit, I.M., Tollenaar, M.S., & Elzinga, B.M. (*under review*). Neural and affective responses to prolonged eye contact with parents and unfamiliar others in depressed and non-depressed adolescents.

Wever, M.C.M., van Houtum, L.A.E.M., Janssen, L.H.C., Wentholt, W.G.M., Spruit, I.M., Tollenaar, M.S., Will, G.-J., & Elzinga, B.M. (2023). Looking into troubled waters: Childhood emotional maltreatment modulates neural responses to prolonged gazing into one's own, but not others', eyes. *Cognitive, Affective, & Behavioral Neuroscience*, 1-12. <https://doi.org/10.3758/s13415-023-01135-y>

Wever, M.C.M., van Houtum, L.A.E.M., Janssen, L.H.C., Wentholt, W.G.M., Spruit, I.M., Tollenaar, M.S., Will, G.-J., & Elzinga, B.M. (2022). Neural and affective responses to prolonged eye contact with one's own adolescent child and unfamiliar others. *NeuroImage*, 260, 119463. <https://doi.org/10.1016/j.neuroimage.2022.119463>

Wever, M.C.M., van Houtum, L.A.E.M., Janssen, L.H.C., Spruit, I.M., Tollenaar, M.S., Aan Het Rot, M., & Elzinga, B.M. (2022). Eyes on you: Ensuring empathic accuracy or signaling empathy? *International Journal of Psychology*. <https://doi.org/10.1002/ijop.12862>

Wever, M.C.M., van Houtum, L. A. E. M., Janssen, L. H. C., Will, G.-J., Tollenaar, M. S., & Elzinga, B. M. (2021). Neural signatures of parental empathic responses to imagined suffering of their adolescent child. *NeuroImage*, 232, 117886. <https://doi.org/10.1016/j.neuroimage.2021.117886>

OTHER PUBLICATIONS

Wentholt, W.G.M., Meurs, E.A., Janssen, L.H.C., van Houtum, L.A.E.M., **Wever, M.C.M.**, Tollenaar, M.S., Alink, L.R.A., & Elzinga, B.M. (*in preparation*). Balancing boundaries: Observed parental autonomy support and psychological control in the context of parent-child interactions and adolescent depression.

Janssen, L.H.C., Verkuil, B., van Houtum, L.A.E.M., **Wever, M.C.M.**, Wentholt, W.G.M., & Elzinga, B.M. (*submitted for publication*). A closer look into the affect dynamics of adolescents with depression and the interactions with their parents: An ecological momentary assessment study.

Wentholt, W.G.M., Janssen, L.H.C., van Houtum, L.A.E.M., **Wever M.C.M.**, Tollenaar, M.S., Alink, L.R.A., & Elzinga, B.M. (*under review*). A qualitative, multi-perspective study on causal beliefs about adolescent depression within families.

Sternheim, L.C., Bijsterbosch, J.M., **Wever, M.C.M.**, van Elburg, A.A., & Frank, G. (*under review*). Examining anxious temperament in anorexia nervosa: Behavioural inhibition and intolerance of uncertainty and their contributions to trait anxiety in adolescents with anorexia nervosa.

Janssen, L.H.C., Verkuil, B., Nedderhoff, A., van Houtum, L.A.E.M., **Wever, M.C.M.**, & Elzinga, B.M. (*under review*). Tracking real-time proximity to assess parent-adolescent interactions in daily life.

Veenman, M., Janssen, L.H.C., van Houtum, L.A.E.M., **Wever, M.C.M.**, Verkuil, B., Epskamp, S., Fried, E.I. & Elzinga, B.M. (*accepted for publication*). A network study of family affect systems in daily life.

Janssen, L.H.C., Sloan, C.J., Verkuil, B., van Houtum, L.A.E.M., **Wever, M.C.M.**, Fosco, G.M., & Elzinga, B.M. (2023). Adolescents' and parents' affect in relation to discrepant perceptions of parental warmth in daily life. *Journal of Research on Adolescence*. <https://doi.org/10.1111/jora.12879>

van Houtum, L.A.E.M., van Schie, C.C., **Wever, M.C.M.**, Janssen, L.H.C., Wentholt, W.G.M., Tailby, C., Grenyer, B.F.S., Will, G.-J., Tollenaar, M.S., & Elzinga, B.M. (2023). Aberrant neural network activation during reliving of autobiographical memories in adolescent depression. *Cortex*, 168, 14-26. <https://doi.org/10.1016/j.cortex.2023.06.021>

van Houtum, L.A.E.M., **Wever, M.C.M.**, van Schie, C.C., Janssen, L.H.C., Wentholt, W.G.M., Tollenaar, M.S., Will, G.-J., & Elzinga, B.M. (2023). Sticky criticism? Affective and neural responses to parental criticism and praise in adolescents with depression. *Psychological medicine*, 1-10. <https://doi.org/10.1017/S0033291723002131>

van Houtum, L.A.E.M., Will, G.-J., **Wever, M.C.M.**, Janssen, L.H.C., van Schie, C.C., Tollenaar, M.S., & Elzinga, B.M. (2022). Adolescents' affective and neural responses to parental praise and criticism. *Developmental Cognitive Neuroscience*, 54, 101099. <https://doi.org/10.1016/j.dcn.2022.101099>

van Houtum, L.A.E.M., **Wever, M.C.M.**, Janssen, L.H.C., van Schie, C.C., Will, G.-J., Tollenaar, M.S., & Elzinga, B.M. (2021). Vicarious praise and pain: Parental neural responses to social feedback about their adolescent child. *Social Cognitive and Affective Neuroscience*, 16(4), 406-417. <https://doi.org/10.1093/scan/nsab004>

Janssen, L.H.C., Verkuil, B., van Houtum, L.A.E.M., **Wever, M.C.M.**, & Elzinga, B.M. (2021). Perceptions of parenting: Adolescent-parent differences and associations with adolescent affect. *Journal of Youth and Adolescence*, 50, 2427-2443. <https://doi.org/10.1007/s10964-021-01489-x>

Wever, M.C.M., van Meer, F., Charbonnier, L., Crabtree, D.R., Buosi, W., Giannopoulou, A., Androutsos, O., Johnstone, A.M., Manios, Y., Meek, C.L., Holst, J.J., & Smeets, P.A.M. (2021). Associations between ghrelin and leptin and neural food cue reactivity in a fasted and sated state. *NeuroImage*, 240, 118374. <https://doi.org/10.1016/j.neuroimage.2021.118374>

Janssen, L.H.C.* , Kullberg, M.-L.J.* , Verkuil, B., van Zwieten, N., **Wever, M.C.M.**, van Houtum, L.A.E.M., Wentholt, W.G.M., & Elzinga, B.M. (2020). Does the COVID-19 pandemic impact parents' and adolescents' well-being? An EMA-study on daily affect and parenting. *PLoS one*, 15(10), e0240962. <https://doi.org/10.1371/journal.pone.0240962>

Wever, M.C.M., Dingemans, A.E., Geerets, T., & Danner, U.N. (2018). Screening for binge eating disorder in people with obesity. *Obesity Research & Clinical Practice*, 12(3), 299-306. <https://doi.org/10.1016/j.orcp.2018.02.002>

Wever, M.C.M., Smeets, P.A.M., & Sternheim, L.C. (2015). Neural correlates of intolerance of uncertainty in clinical disorders. *The Journal of neuropsychiatry and clinical neurosciences*, 27(4), 345-353. <https://doi.org/10.1176/appi.neuropsych.14120387>

-

ACKNOWLEDGEMENTS (DANKWOORD)

Daar is 'ie dan: mijn proefschrift! Ik kan met overgave zeggen dat ik met volle teugen heb genoten van elke fase van mijn promotie onderzoek en ik ben dankbaar voor iedereen die ik tijdens deze 'reis' heb ontmoet. Een aantal hiervan verdienen een speciale vermelding, want zonder hen waren de afgelopen jaren niet hetzelfde geweest.

Mijn promotor, **Bernet**, ik bewonder je passie en aanstekelijke enthousiasme voor de wetenschap, maar ik bewonder je te meer nog als mens. Ik voel me bevoorrecht dat je je kennis en kunde met mij hebt willen delen en dat ik mijn promotie onderzoek onder jouw toezien oog heb mogen uitvoeren. Bedankt voor je onvoorwaardelijke support en voor de ruimte die ik kreeg om uit te groeien tot de wetenschapper die ik ben geworden.

Mijn copromotoren, **Marieke**, bedankt dat je er altijd bent. Ik waardeer je positiviteit, loyaliteit en relativeringsvermogen enorm. Door jou leek en bleek alles een stuk minder ingewikkeld. **Geert-Jan**, dank voor al jouw tijd, energie en met name geduld. Jouw adviezen hebben van mij een betere wetenschapper gemaakt.

De leden van de leescommissie, **Mariska, Peter, Christian** en **Nic**, bedankt voor de tijd die jullie hebben genomen voor het lezen en beoordelen van mijn proefschrift.

Lieve **Lisanne**, Lieve **Loes**, waar moet ik beginnen. **Lisanne**, er zijn weinig mensen waarmee ik zo goed kan samenwerken als met jou. De weinige woorden die we daarbij nodig hadden werden altijd ruimschoots gecompenseerd als het over andere zaken ging. Ik waardeer jouw werk ethos, eerlijkheid en loyaliteit enorm. **Loes**, al bij de eerste ontmoeting (5-seconden regel!) wist ik dat wij er een mooie tijd van zouden gaan maken. Jouw warme persoonlijkheid en zorgzaamheid maken het bijzonder fijn om met jou samen te zijn. Bedankt voor jullie eindeloze support, motivatie en gezelligheid, lieve meiden. Ik had deze weg met niemand liever bewandeld en met niemand anders had ik er zo van kunnen genieten als met jullie.

De rest van het RE-PAIR team, bedankt voor de fijne samenwerking. **Wilma**, je bent een bijzonder fijn mens om mee samen te werken. Jouw bevoegenheid en enthousiasme zijn aanstekelijk. **Bart**, bedankt voor jou gezelligheid en het delen van jouw kennis. Alle onderzoeksassistenten en master studenten: dank voor jullie hulp in de dataverzameling. Zonder jullie zou de uitvoering van dit project niet mogelijk zijn geweest.

Alle **deelnemers aan de RE-PAIR studie**. Bedankt voor het delen van een heel persoonlijk stukje van jullie leven.

Lieve KP-collega's en (voormalig) promovendi, bedankt voor het creëren van een warme en ondersteunende omgeving waarin ik mij vanaf het begin af aan op mijn plek heb gevoeld. In het bijzonder: **Marie-Louise**, bedankt voor onze stimulerende gesprekken over alles binnen en buiten de wetenschap. **Cosima**, bedankt voor de fijne ontspanningsmomenten tussen het werken door. **Mona**, thank you for your wisdom and inspiration.

Lot en Paul, dank voor het overbrengen van jullie passie en enthousiasme voor de wetenschap en voor de fijne samenwerkingen die we hebben gehad en nog steeds hebben. Zonder de adviezen en kansen die jullie mij hebben geboden had ik hier nu waarschijnlijk niet gestaan.

Lieve vrienden, in het speciaal **Robbin, Maaïke, Roy, Ilse, Thomas, Samira, Kirsten en Roos**, bedankt voor de fijne momenten van ontspanning in de afgelopen jaren. Lieve **Maaïke**, ik hecht grote waarde aan onze relativerende gesprekken over het leven en, niet te vergeten, het ouderschap. Onze veerkrachtige vriendschap is mij ontzettend dierbaar.

Lisa, Jorinde, Rachel en Premika, mijn studievriendinnen van de Bachelor die allang veel meer dan dat betekenen. Ik ben ontzettend dankbaar voor onze mooie vriendschap waarin wij lief en leed met elkaar delen. **Premika**, ik denk met een warm gevoel terug aan de mooie studie jaren die wij ook in de Master nog hebben gedeeld.

Birgit, lieve zus, zonder jou begin ik niets. Om naast alles in ons leven ook te kunnen delen in onze ervaringen als PhD student, en tegelijkertijd te promoveren, vind ik ontzettend bijzonder. Ik ben ongelooflijk trots op jou en op hoe jij, samen met **Bram**, je eigen pad volgt en ik ben bijzonder dankbaar voor onze sterke band die – letterlijk – geen grenzen kent.

Joris, lieve broer, ik waardeer onze fijne band enorm. Dank voor je humor en alle fijne gesprekken en gezelligheid die jij, samen met **Rosanne**, in mijn leven brengt.

Lieve **Papa en Mama**, alles wat ik nodig had om te zijn waar ik nu ben is direct te herleiden naar jullie onvoorwaardelijke liefde en betrokkenheid. Dank voor al het goede dat jullie mij hebben meegegeven. Ik doe er iets goeds mee.

Lieve **Rick**, mijn alles. Dankbaar ben ik voor de rust die jij in mijn leven brengt en voor je zorgzaamheid en vertrouwen in mij. Ik hou van ons. Lieve **Lenn**, ons zonnetje, met jou samen is alles een feestje. Ik hou van je en draag dit proefschrift op aan jou.