

# Manja Engel

NEUROPSYCHOLOGIST · POSTDOCTORAL RESEARCHER

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## Education

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### Utrecht University

Utrecht, The Netherlands

MASTER OF SCIENCE IN NEUROPSYCHOLOGY

2013-2016

- Research Internship Leontienhuis Zevenhuizen 2016
- Research Internship University Medical Centre Utrecht 2013

### Utrecht University

Utrecht, The Netherlands

BACHELOR OF SCIENCE IN PSYCHOLOGY

2010-2013

- Major Neuropsychology
- Major Clinical Psychology

### Inholland University

The Hague, The Netherlands

BACHELOR OF ARTS IN INTERNATIONAL COMMUNICATION MANAGEMENT

2005-2009

- Exchange Program Program Plantijn Hogeschool Antwerp 2008
- Internship Journalism Oradio Antwerp 2008

## Professional Experience

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- 2023-2026 **Post Doc**, Department of Experimental Psychology, Utrecht University
- 2018-2022 **PhD Student**, Department of Experimental Psychology, Utrecht University
- 2019 **Research stay**, Philosophy Department, Monash University, Australia
- 2016-2018 **Research & Educational Assistant**, Department of Experimental Psychology, Utrecht University

## Publications

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### IMPACT

**Citations:** 158

**h-index:** 7

**i10-index:** 5

### PUBLISHED

- Turnbull, G., Lego, S., Kennedy, B. L., Alexi, J., Li, Y. R., **Engel, M. M.**, Mann, G., Bayliss, D. M., Farrel, S. & Bell, J. (2023). Sizing up the crowd: Assessing spatial integration difficulties in body size judgements across eating disorder symptomatology. *rontiers in Psychology*, DOI:10.3389/fpsyg.2022.1003250
- Engel, M. M.**, Vivien, A., Tsakiris, M., Dijkerman, H. C. & Keizer, A. (2022). Sense of agency during and following recovery from anorexia nervosa. *Consciousness & Cognition*, DOI:10.1016/j.concog.2022.103369
- Engel, M. M.**, Gadsby, S., Corcoran, A., Keizer, A., Dijkerman, C., & Hohwy, J. (2021). Waiting longer, feeling fatter: Effects of response delay on tactile distance estimation and confidence in anorexia nervosa. *Brain and Behavior*, DOI:10.1002/brb3.2422. (joint first author)
- Engel, M. M.**, Van Denderen, K., Bakker, A., Corcoran, A. W., Keizer, A. & Dijkerman, H. C. (2020). Anorexia nervosa and the size-weight illusion: No evidence of impaired visual-haptic object integration. *Ploese One*, DOI:10.1371/journal.pone.0237421

- Stone, K. D., Kornblad, C., **Engel, M. M.**, Dijkerman, C. H., Blom, R. M. & Keizer, A. (2020). Lower limb peripersonal space and the desire to amputate a leg. *Psychological Research*, DOI: 10.1007/s00426-020-01316-1
- Stone, K. D., Kornblad, C., **Engel, M. M.**, Dijkerman, C. H., Blom, R. M. & Keizer, A. (2020). An investigation of lower limb representations underlying vision, touch, and proprioception in Body Integrity Identity Disorder. *Frontiers in Psychiatry*, DOI: 10.3389/fpsy.2020.00015
- Keizer, A., **Engel, M. M.**, Bonekamp, J. & Van Elburg, A. (2018). Hoop Training: A Pilot Study Assessing the Effectiveness of a Multisensory Approach to Treatment of Body Image Disturbance in Anorexia Nervosa. *Eating and Weight Disorders – Studies on Anorexia, Bulimia and Obesity*, DOI: 10.1007/s40519-018-0585-z.
- Engel, M. M.** & Keizer, A. (2017). Body representation disturbances in visual perception and affordance perception persist in eating disorder patients after completing treatment. *Scientific reports*, DOI: 10.1038/s41598-017-16362-w
- De Jong, J.R., Keizer, A., **Engel, M.M.** & Dijkerman, H.C. (2017). Does affective touch influence virtual reality fullbody illusions? *Experimental Brain Research*, DOI: 10.1007/s00221-017-4912-9

#### BOOK CHAPTERS

- Keizer, A. & **Engel, M. M.** (2022). Body representation in anorexia nervosa. *Routledge Handbook of Bodily Awareness*, (Eds.) A. Alsmith & M. Longo. Routledge.

#### IN PROGRESS

- Engel, M. M.**, Dijkerman, H. C., Woertman, L., & Keizer, A. (2023). Functionality appreciation is associated with improvements in positive and negative body image in patients with an eating disorder and following recovery (under review)

#### Awards & Grants

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2020	<b>Best research presentation</b> , National Academy for Eating Disorders	€250
2018	<b>B Beurs</b> , Stichting Fonds Catharine van Tussenbroek	€1250
2016	<b>Best poster presentation</b> , National Academy for Eating Disorders	Nomination
2016	<b>Peter G. Swanbornprijs</b> , Best Master Thesis of the Faculty	€1000

#### Selected Presentations

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##### SCIENTIFIC ORAL PRESENTATIONS AND WORKSHOPS

- Engel, M. M. (2021). Discussion in breakout rooms. VRLab symposium. Amsterdam.
- Engel, M. M. (2021). Perceptual and attitudinal influences on tactile misjudgement in anorexia nervosa. Helmholtz, Ellecom, The Netherlands.
- Engel, M. M. (2019). Body image in recovered anorexia nervosa patients. University of South Australia, Adelaide, Australia (invited talk).
- Engel, M. M. (2019). How recovered are recovered anorexia nervosa patients? University of Western Australia, Perth, Australia (invited talk).
- Engel, M. M. (2018). Mechanisms attributing to body image disorder in anorexia nervosa patients. Macquarie University, Sydney, Australia (invited talk).
- Engel, M. M. (2018). Agency in anorexia nervosa. Helmholtz, Schoorl, The Netherlands.
- Keizer, A., Bonekamp, J. & Engel M. M. (2016). Why you cannot think yourself thin. Annual meeting Dutch Academy for Eating Disorders, Zwolle, The Netherlands (workshop).
- Engel, M. M. (2016). Body image in recovered anorexia nervosa patients. York University, York, United Kingdom (invited talk).

## POSTER PRESENTATIONS

- Engel, M. M. (2021). Waiting longer feeling fatter: Effects of response delay on tactile distance estimation and confidence in anorexia nervosa. *Body Image & Related Disorders*. Virtual meeting.
- Engel, M. M. (2021). Waiting longer feeling fatter: Effects of response delay on tactile distance estimation and confidence in anorexia nervosa. *Body Representation Network*. Virtual meeting.
- Engel, M. M. (2020). No evidence of impaired visual-haptic object integration in anorexia nervosa. Annual meeting Dutch Academy for Eating Disorders, Beesd, The Netherlands.
- Engel, M. M. (2020). Object processing in anorexia nervosa. *Eating Disorder Research Society*, Virtual Meeting
- Engel, M. M. (2020). Size-weight illusion in anorexia nervosa. *European Workshop on Cognitive Neuropsychology*, Bresanone, Italy.
- Engel, M. M. (2018). Body representation disturbances in recovered anorexia nervosa patients. *Learning Body Models*, Lorentz Center, Leiden, The Netherlands.
- Engel, M. M. (2017). Mental body representations disturbances in anorexia nervosa patients and recovered patients. *Summerschool Aegina*, Aegina, Greece.
- Engel, M. M. (2016). Body image in 'recovered' anorexia patients. Annual meeting Dutch Academy for Eating Disorders, Zwolle, The Netherlands.

## LECTURES AND EVENTS FOR PROFESSIONALS AND THE GENERAL PUBLIC

- Engel, M. M. (2021). Recovering from perceptual body disturbances in anorexia nervosa. *University College Dublin*, Ireland (invited talk).
- Engel, M. M. (2021). Body representation in anorexia nervosa. *Vrije Universiteit*, The Netherlands (Guest Lecture).
- Engel, M. M. (2018). Agency in anorexia nervosa. Annual meeting Dutch Association for Cognitive and Behavioral Therapy, Veldhoven, The Netherlands.
- Keizer, A. & Engel, M. M. (2017). Body image in eating disorders and virtual reality. *Stichting JIJ*, Rotterdam, The Netherlands (invited talk).
- Engel, M. M. (2017). Body image disturbances in recovered anorexia nervosa patients. Annual meeting Dutch Association for Cognitive and Behavioral Therapy, Veldhoven, The Netherlands.
- Keizer, A., Bonekamp, J. & Engel, M.M. (2017). Workshop hoop training in anorexia nervosa. Annual Study day Dutch Society for Psychomotor Therapists, Zeist, Holland.
- Dijkerman, H. C. & Engel, M. M. (2016). Body image disturbances and virtual reality. *Brainwave*, Utrecht (invited talk).
- Keizer, A. & Engel, M. M. (2016). Body image in eating disorders. *Stichting JIJ*, Rotterdam, The Netherlands (invited talk).
- Keizer, A. & Engel, M. M. (2016). Role of virtual reality in treatment for Anorexia Nervosa. *Referaat Altrecht Eetstoornissen Rintveld*, Zeist, The Netherlands (invited talk).
- Keizer, A. & Engel, M. M. (2016). Body image after completion of eating disorder treatment. *Leontienhuis*, Zevenhuizen, The Netherlands (invited talk).
- Keizer, A. & Engel, M. M. (2016) Body image and virtual reality. *Leontienhuis*, Zevenhuizen, The Netherlands (invited talk).

## Teaching and Supervision

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2018-present **Cognitive Neuropsychiatry**, Lecturer/teacher

*Utrecht University*

2018-present **Experimental Psychology, Master and Bachelor Thesis**, Supervisor

*Utrecht University*

2021 **Body Representation in Anorexia Nervosa**, Guest Lecture

*Vrije Universiteit  
Amsterdam*

### MEDIA

**Onbewuste Signalen van Organen Beïnvloeden Zelfbeeld** – Interview for Newscientist.nl  
(<https://www.newscientist.nl/nieuws/onbewuste-signalen-van-organen-beinvloeden-zelfbeeld/>)

**Verwerking van onbewuste lichaamssignalen heeft mogelijk invloed op zelfbeeld** – Blog post on *GGZ.nl*  
(<https://ggz.nl/verwerking-van-onbewuste-lichaamssignalen-heeft-mogelijk-invloed-op-zelfbeeld/>)

### GIVEN TRAININGS

**Hoepel training | Hoop training** - Training for psychomotortherapists to improve treatment for body image disturbances in eating disorders. For more info see: <https://hoepeltraining.nl>

### ATTENDED COURSES AND TRAININGS

- Quick start to research data management workshop – Utrecht University, 2021
- Data Science: Text mining in R – Utrecht Summer School, 2021
- Data Science: Introduction to multilevel analysis in R – Utrecht Summer School, 2021
- Proofreading workshop – Prout, 2021
- Neurophilosophy – Utrecht University, 2021
- Teaching in English (attained required level of competence) – Babel, 2020
- Learning Body Models: Humans, Brains, and Robots – Lorentzcenter Leiden, 2018
- Hilde Bruch Summer School – University Tübingen, 2018
- Visceral Mind – Bangor University, 2018
- Data Science: Statistical programming with R – Utrecht Summer School, 2018
- Data Science: Multiple imputation in practice – Utrecht Summer School, 2018
- Applied Bayesian statistics – Utrecht Summer School, 2018
- Thesis guidance for bachelor and master students – Utrecht University, 2018
- Start to teach – Utrecht University, 2018
- Giving feedback on written assignments – Utrecht University, 2018
- Teaching in an international classroom – Utrecht Summer School, 2017
- Research data management – Utrecht University, 2017
- The Social Brain: embodiment and culture – Aegina Summer School, 2017