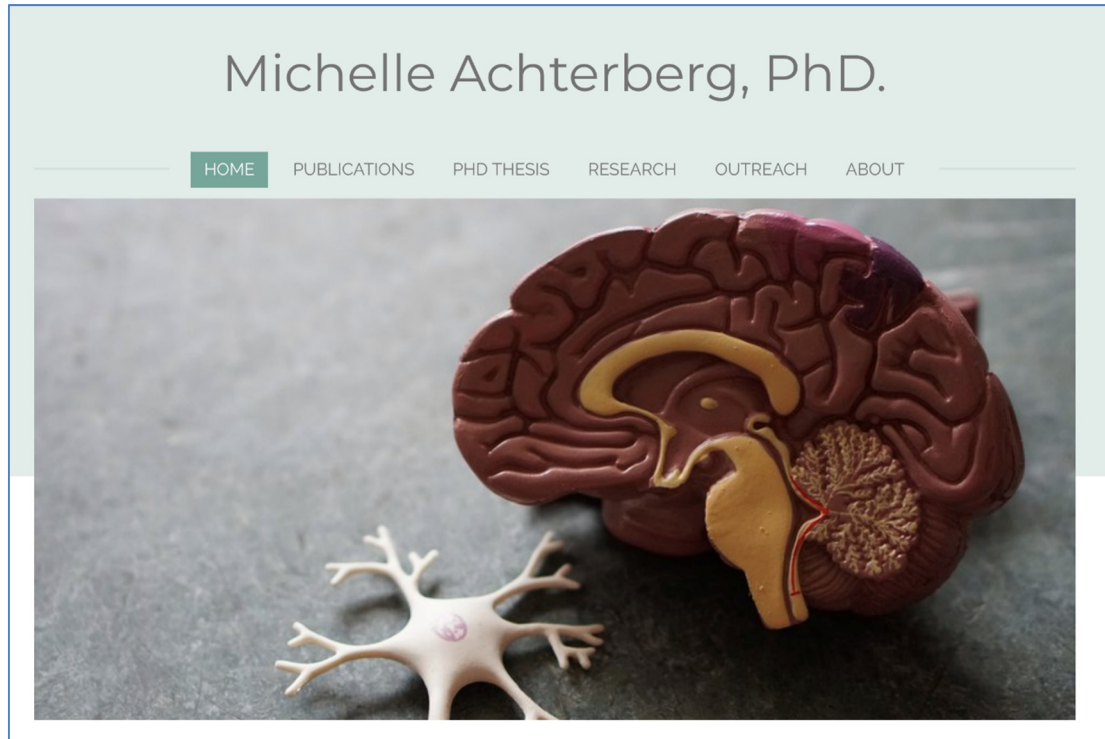


# Curriculum Vitae - Michelle Achterberg, PhD.



For a dynamic and updated overview of my curriculum, please visit my website at [www.michelleachterberg.nl](http://www.michelleachterberg.nl)

## **Research experience**

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1

### **Postdoctoral Researcher at Erasmus University Rotterdam**

*April 2020 – present*

- Developmental Neuroscience in Society, Erasmus School of Social and Behavioral Sciences, Erasmus University Rotterdam, Rotterdam, the Netherlands
- Longitudinal development of social emotion regulation across childhood and emerging adolescence

### **Postdoctoral Researcher at Leiden University**

*Jan 2020 – March 2020*

- Leiden Consortium on Individual Development, Faculty of Social Sciences, Leiden University, Leiden, the Netherlands
- Longitudinal development of social emotion regulation across childhood and emerging adolescence

### **Ph.D. Candidate at Leiden University**

*Sept 2014 – Dec 2019*

- Leiden Consortium on Individual Development, Faculty of Social Sciences, Leiden University, Leiden, the Netherlands
- Nature, nurture, and neural mechanisms of social emotion regulation in childhood

### **Visiting Ph.D Candidate Columbia University**

*Sep 2016 - Nov 2016*

- Developmental and Affective Neuroscience lab, Columbia University, New York City, NY, USA
- Heritability of ventral striatum and amygdala functional connectivity in middle childhood

*May 2020*

# Curriculum Vitae - Michelle Achterberg, PhD.

## Research assistant at Leiden University

May 2014 – Sept 2014

- Brain and Development Research Center, Faculty of Social Sciences, Leiden University, Leiden, the Netherlands
- Longitudinal development of structural brain connectivity and its relation to impulsivity.

## Education

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### Ph.D. Developmental Neuroscience (cum laude)

2014-2020

- Graduate School of Social and Behavioural Sciences, Leiden University, Leiden, the Netherlands
- Doctoral dissertation: "Like me, or else... Nature, nurture, and neural mechanisms of social emotion regulation in childhood" (available at [www.michelleachterberg.nl/phd-thesis](http://www.michelleachterberg.nl/phd-thesis))
- Supervised by: Prof. dr. Eveline A. Crone, Prof. dr. Marian J. Bakermans- Kranenburg, and Dr. Anna C.K. van Duijvenvoorde

### Research Master Neuroscience & Cognition (grade 8.6/10)

2012- 2014

Graduate School of Life Sciences, Utrecht University, Utrecht, the Netherlands

- Research intern developmental psychology (Leiden University). Thesis "The development of functional brain connectivity: a dual-processing approach" supervised by Dr. Anna C.K. van Duijvenvoorde
- Master Thesis Experimental Psychology (Utrecht University). Thesis: "Repetitive transcranial magnetic stimulation as a possible new treatment strategy to improve social skills in Autism Spectrum Disorder", supervised by Prof. Dr. Dennis J.L.G. Schutter
- Research intern child psychiatry (UMC Utrecht). Thesis " The overlapping phenotypes of Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder: Similarities in behavior and structural connectivity", supervised by Dr. Dienke J. Bos

2

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### Bachelor Psychology (grade 7.5/10)

2009-2012

Utrecht University, Utrecht, the Netherlands

- Major: Neurobiological psychology
- Minor: Methods & Statistics of the Social and Behavioral Sciences
- Thesis: "Measuring unconscious attention to visual sexual stimuli through eye movements and the Extrinsic Affective Simone Task (EAST)", supervised by Dr. D. Terburg

### Pre-university secondary education

2003-2009

De Goudse Waarden, Gouda, the Netherlands

## Publications

[www.michelleachterberg.nl/publications](http://www.michelleachterberg.nl/publications)

**Achterberg, M.**, van Duijvenvoorde, A. C. K., van IJzendoorn, M. H., Bakermans-Kranenburg, M. J. & Crone, E. A. (2020) Longitudinal changes in DLPFC activation during childhood are related to decreased aggression following social rejection. *Proceedings of the National Academy of Science*

**Achterberg, M.** (2020). Nature, nurture and neural mechanisms of social emotion regulation in childhood. Doctoral dissertation, Leiden University.

## Curriculum Vitae - Michelle Achterberg, PhD.

- Achterberg, M.** & van der Meulen, M. (2019) Genetic and environmental influences on MRI scan quantity and quality. *Developmental Cognitive Neuroscience*, 38, pp. 100667
- Achterberg, M.**, Bakermans-Kranenburg, M. J., Van IJzendoorn, M.H., van der Meulen, M., Tottenham, N., & Crone, E. A. (2018). Distinctive heritability patterns in childhood subcortical-prefrontal cortex resting state connectivity: A twin study. *Neuroimage*, 175, 138-149.
- Achterberg, M.**, van Duijvenvoorde, A. C. K., van der Meulen, M., Bakermans-Kranenburg, M. J., & Crone, E. A. (2018). Heritability of aggression following social evaluation in middle childhood: an fMRI study. *Human Brain Mapping*, 39(7), 2828-2841.
- Achterberg, M.**, van Duijvenvoorde, A.C.K., van der Meulen, M., Euser, S., Bakermans-Kranenburg, M.J., & Crone, E.A. (2017). 3. The neural and behavioral correlates of social evaluation in childhood. *Developmental Cognitive Neuroscience*, 24, 107-117.
- Achterberg, M.**, Van Duijvenvoorde, A. C. K., Bakermans-Kranenburg, M. J., & Crone, E. A. (2016). Control your anger! The neural basis of aggression regulation in response to negative social feedback. *Social Cognitive and Affective Neuroscience*, 11(5), 712-720.
- Achterberg, M.\***, Peper, J. S.\*, Van Duijvenvoorde, A. C. K., Mandl, R. C. W., & Crone, E. A. (2016). Frontostriatal white matter integrity predicts development of delay of gratification: A longitudinal study. *Journal of Neuroscience*, 36(6), 1954 –1961.
- Bos, D.J., Oranje, B., **Achterberg, M.**, Vlaskamp, C., Ambrosino, S., de Reus, M.A., van der Heuvel, M.P. & Rombouts, S.A.R.B. (2017). Structural and functional connectivity in children and adolescents with Attention Deficit/Hyperactivity Disorder. *Journal of Child Psychology and Psychiatry*, 58(7), 810-818.
- Crone, E.A., **Achterberg, M.**, Dobbelaar, S., Euser, S., van den Bulk, B. G., van der Meulen, M., van Druunen, L., Wierenga, L.M., Bakermans-Kranenburg, M. J & van IJzendoorn, M.H. (2020). Social acceptance and inclusion from early to middle childhood: The Leiden consortium on Individual Development on neurocognitive development and social enrichment
- Konijn, E.A., & **Achterberg, M.** (in press). Neuropsychological Underpinnings of Emotional Responsiveness to Media. In J. van den Bulck (Ed.), *The International Encyclopedia of Media Psychology*. John Wiley & Sons
- Overgaauw, S., **Achterberg, M.**, & Bakermans-Kranenburg, M. J. (*Under review*). Aggression after social evaluations: typically versus atypically developing adolescents
- Van der Meulen, M., Wierenga, L. M., **Achterberg, M.**, Drenth, N., van IJzendoorn, M.H. & Crone, E. A. (2020) Shared genetic and environmental influences on structure of the social brain in children. *Developmental Cognitive Neuroscience*
- van der Meulen, M., Steinbeis, N., **Achterberg, M.**, van IJzendoorn, M. H., & Crone, E. A. (2018). Heritability of neural reactions to social exclusion and prosocial compensation in middle childhood. *Developmental Cognitive Neuroscience*, 34, 42-52.
- 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, 27-39.
- Van Duijvenvoorde, A. C. K., **Achterberg, M.**, Braams, B. R., Peters, S., & Crone, E. A. (2016). Testing a dual-systems model of adolescent brain development using resting-state connectivity analyses. *Neuroimage*, 1, 409-420.

### Outreach

[www.michelleachterberg.nl/outreach](http://www.michelleachterberg.nl/outreach)

- Public lectures “Social Media and Brain Development” (regularly)
- Video and blog contributions to outreach website [www.kijkinjebreijn.nl](http://www.kijkinjebreijn.nl)
- Blogs on research output for [www.leidenpsychologyblog.nl](http://www.leidenpsychologyblog.nl)
- Social Media campaign on traffic education with Veilig Verkeer Nederland (Jan 2020)

# Curriculum Vitae - Michelle Achterberg, PhD.

- Pop-up lecture Social Media at “Backstage in je Brein – Weekend van de Wetenschap” (October 2018)
- Episode on MRI and emotions for Dutch TV show TopDoks (July 2018)

## Grants and Awards

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- Flux Travel Award (2019, \$1000)
- Leiden University developmental psychology PhD-student publication Award (2018)
- Royal Netherlands Academy of Sciences (KNAW) Ter Meulen Grant (2016, €3252)
- LISF-grant Leiden University Fund (2016, €1000)
- Flux Travel Award (2016, \$1000)

## Presentation and conferences

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- NvP winter conference – presentation (Dec 2019) *Egmond aan zee, the Netherlands*
- Flux 2019 – poster (Aug 2019), *New York City, NY, USA*
- SRCD 2019 - presentation (March 2019) *Baltimore, MD, USA*
- CID meeting - presentation (Nov 2018) *Utrecht, the Netherlands*
- Flux 2018 - poster (Sep 2018) *Berlin, Germany*
- Flux Satellite 2018- poster (May 2017) *Chapel hill, North Carolina, USA*
- Social and Affective Neuroscience Symposium - poster (May 2017) *Brooklyn, NY, USA*
- CID meeting - presentation (April 2017) *Utrecht, the Netherlands*
- SRCD 2017 - presentation on behalf of Dr. Steinbeis (March 2017) *Austin, TX, USA*
- SRCD 2017 - poster (March 2017) *Austin, TX, USA*
- Social and Affective Neuroscience Meet-up - (Oct 2016) *New York City, NY, USA*
- Flux 2016- poster (Sep 2016) *St. Louis, Missouri, USA*
- NVP winter conference - presentation (Dec 2015) *Egmond aan zee, the Netherlands*
- Donders Discussions - presentation (Nov 2015) *Nijmegen, the Netherlands*
- VNOP-ICED-CAS Research Days - presentation (Nov 2015) *Leiden, the Netherlands*
- Flux 2015- poster (Sep 2015) *Leiden, the Netherlands*
- SRCD Satellite 2015 - poster (Sep 2015) *Leiden, the Netherlands*
- CID meeting - poster (April 2015) *Utrecht, the Netherlands*

4

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## Professional Memberships and Committees

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- Flux, the international society for integrative developmental cognitive neuroscience
- Society for Research in Child Development (SRCD)
- Social and Affective Neuroscience Society (SANS)
- Consortium on Individual Development (CID)
- Dutch society for developmental psychology (VNOP, Dutch developmental psychology)
  
- Flux Trainee Committee
- CID Young Committee
- Leiden Institute for Brain and Cognition - MRI Methods Meeting Committee

## Ad-hoc review activities

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- Cerebral Cortex (CerCor)
- Neuroimage (NIMG)
- Human Brain Mapping (HBM)
- Neuroscience & Biobehavioral Reviews (Neurobiorev)
- Social Cognitive and Affective Neuroscience (SCAN)

# Curriculum Vitae - Michelle Achterberg, PhD.

- Developmental Cognitive Neuroscience (DCN)
- Child Development (Child Dev)
- Cognitive, Affective, & Behavioral Neuroscience (CABN)
- Clinical Psychological Review (CPR)
- Social Neuroscience (SNS)

## Teaching experience

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- Research Master thesis supervisor
- Academic Master thesis supervisor
- Bachelor thesis supervisor
- Teacher School Psychology - bachelor specialization course
- Teacher Developmental & Educational psychology - bachelor course
- Teacher Academic Skills - bachelor course

## Courses

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- **OpenMR Benelux 2020 TrainTrack** (Jan 2020), Donders Institute for Brain, Cognition and Behavior, Radboud University Nijmegen, the Netherlands
- **University Teaching Qualification (BKO) courses** (Dec 2018 – March 2019), Leiden University, Leiden
- **Language Proficiency Qualification (BKE)** (Dec 2018), Lieden University, Leiden
- **Neuroanatomy & Tractography workshop** (Jan 2016), King's College London, United Kingdom
- **Sackler Summer Institute Fellowship** (July 2014), Rockefeller University, New York City, United States of America
- **Essentials of major neuroimaging techniques** (Aug 2013), Donders Institute for Brain, Cognition and Behavior, Radboud University Nijmegen, the Netherlands

5

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## Language skills

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- Dutch: Native language
- English: Speaking, reading and writing; excellent
- German: Speaking, reading and writing; sufficient
- French: Speaking, reading and writing; sufficient
- Latin: Reading and writing; sufficient