

Curriculum vitae

Personal details

Title(s), initial(s), first name, surname: Dr., M., Mariëtte, Huizinga
Gender: Female
Date and place of birth: June 8, 1974, Amstelveen, Netherlands
Nationality/nationalities: Dutch
Birth country/countries of parents: Netherlands

Master's ('Doctoraal')

University/College of Higher Education: University of Amsterdam
Date (dd/mm/yy): 05/11/99
Studies: Psychology
Main subject: Developmental (neuro-)psychology

Doctorate

University/College of Higher Education: University of Amsterdam
Starting date (dd/mm/yy): 01/12/00
Completion date (dd/mm/yy): 17/10/06
Supervisor ('promotor'): Prof. dr. M.W. van der Molen
Title of thesis: Fractionation of executive function: a developmental approach

Work experience since completing PhD

Position	Period (date-date)	Number of fte	Type of position (fixed term, permanent, tenure track, other)	Institution
Assistant professor Developmental Psychology	09/2006 - 04/2011	1	Fixed term	University of Amsterdam
Associate professor Youth & Media	05/2011 - 11/2012	1	Fixed term	University of Amsterdam
Associate professor Educational Neuroscience	12/2012-current	1	Fixed term	Vrije Universiteit Amsterdam

International activities

Current

Member of expert panel of the thematic research programme "CORE - Societal challenges" (main focus on Education and Learning), and ATTRACT panel, Fonds National de la Recherche Luxembourg.

Collaboration with prof. Jake Burack (Mc Gill University Montreal, Canada). Ph.D. project: 'The influence of stress on the development of executive function'. Completion of several research papers and book chapters.

Collaboration with prof. Ronald Dahl (University of California at Berkely, USA). Member of the consortium of NIHC-granted project. Preparation of a paper on cognitive/socio-emotional development in young-adolescents.

Collaboration with dr. Leah Somerville (Harvard University, Boston, USA). Joint study within NIHC-granted project: Approach or avoid? The role of emotional information on cognitive control during adolescence.

(Invited) presentations at various international conferences, including the International Neuropsychological Society (INS), the Society for Neuroscience (SfN), the Cognitive Neuroscience Society (CNS), the Jean Piaget Society, and the European Society of Cognitive Psychology (ESCoP), Canadian Psychological Association (CPA), International Association for Cognitive Education and Psychology (IAEP), Vlaamse Vereniging voor Schoolpsychologie.

Past

Student at the John Merck Fund Summer Institute Summer Institute on Biology of Developmental Disabilities, held at Princeton University, Princeton NJ, USA.

Collaboration with prof. Marilyn Welsh. Research Assistant. University of Northern Colorado, Greeley CO, USA / University of Amsterdam. NSF-granted project: A structural equation model of executive function in young adults.

M.A. student. University of Northern Colorado, Greeley CO, USA; Advisor: prof. Marilyn Welsh, Department of Psychology.

Other academic activities

Reviewer

- Acta Psychologica, Biological Psychology, Brain and Cognition, Child Development, Cognitive Development, Developmental Cognitive Neuroscience, Developmental Neuropsychology, Developmental Psychology, Frontiers of Developmental Psychology, Journal of Cognitive and Behavioral Neurology, Journal of Cognition and Development, Journal of Experimental Child Psychology, Journal of Experimental Psychology, Journal of the International Neuropsychological Society, Neuropsychologia, PlosOne, Psychiatry Research.
- NWO's Dutch Social Science Research Council (MAGW) (VIDI applications)

Guest Associate Editor

- Frontiers of Developmental Psychology & Frontiers of Education. Research Topic: Executive Function and Education (2017). Co-editors: dr. Dieter Baeyens (Leuven University, Belgium) and dr. Jake Burack (University of Montreal, Canada)

Member of review committee

- Evaluation of the Education, Culture, Cognition and Society (ECCS) Research Unit and of the Luxembourg Centre for Educational Testing (LUCET) at the University of Luxembourg, Luxembourg. Based on a peer review as commissioned by the Ministry of Higher Education and Research of Luxembourg.

Conference/summer school/symposium organization

- 2015 Organization and hosting of Symposium on Educational Neuroscience at the third annual Flux Conference, held in Leiden, The Netherlands, together with prof. Eveline Crone. The Flux Congress acts as a forum for developmental cognitive neuroscientists and psychologists to share their findings, expand their knowledge base, and be informed of translational approaches.
- 2015 Member of hosting committee of the third annual Flux Conference, held in Leiden, The Netherlands.
- 2013 Chair of Summer School "*Genes, the brain, and human behavior: understanding the relation between genetic variation, brain development, and complex behavior*" at the Cognitive Science Center Amsterdam (University of Amsterdam), together with Prof. Eske Derks. Dedicated to the work of visiting professor and holder of the honorary Frijda chair, Prof. Christine van Broeckhoven, University of Antwerp).
- 2010 Organization and hosting of a symposium to celebrate the honorary doctorate of Prof. Annette Karmiloff-Smith at the University of Amsterdam.
- 2009 Scientific organization of a conference dedicated to the publication of the BRIEF Executieve Functies Gedragsvragenlijst, held in Utrecht, the Netherlands.
- 2008 Organization and hosting of the founding conference of the Vereniging Nederlandse Ontwikkelingspsychologie (VNOP), together with Prof. Maartje Raijmakers, held in Wageningen, the Netherlands.
- 2007 Local organization of the annual meeting of the Jean Piaget Society, on 'Social Developmental Cognitive Neuroscience', held in Amsterdam, the Netherlands, organized by Prof. Philip Zelazo, Prof. Michael Chandler and Prof. Eveline Crone.
- 2006-2007 Organization of two 3-week Summer Schools at the Cognitive Science Center Amsterdam (University of Amsterdam)
- Together with prof. Maartje Raijmakers (June 12 – June 30, 2006; dedicated to the work of visiting professor and holder of the honorary Frijda chair, Prof. Annette Karmiloff-Smith, University College London),
 - Together with Dr. Jan Don (June 18 – July 6, 2007; dedicated to the work of visiting professor and holder of the honorary Frijda chair, Prof. Harald Clahsen, University of Exeter).
- 2006-2007 Coordination of the Cognitive Science Center lecture series 2006-2007, at the University of Amsterdam, for which I invited outstanding scholars from a variety of disciplines, including neurobiology, psychology, linguistics, computer science, and philosophy.

- 2005 Organization and hosting of an expert meeting at the University of Amsterdam, together with Prof. Eveline Crone, entitled 'Advances in developmental cognitive neuroscience', for which 20 international experts were invited.
- 1999-current Organization and hosting of several symposia (e.g., a meeting dedicated to the work of visiting Prof. Margaret McGonigle, University of Edinburgh).

Chair at academic conventions

- 2015 Symposium at the Symposium on Educational Neuroscience at the third annual Flux Conference, held in Leiden, The Netherlands.
- 2013 Symposium at the International Neuropsychological Society: 'Neurocognitive Development in Adolescence: Normal and Subnormal'. Amsterdam, July 2013.
- 2010 Symposium to celebrate the honorary doctorate of Prof. Annette Karmiloff-Smith at the University of Amsterdam, the Netherlands. 'Cognition, the brain, and atypical development.
- 2009 Conference dedicated to the publication of the BRIEF Executieve Functies Gedragsvragenlijst: 'Executieve Functies: hype of handvat?' De Jaarbeurs, Utrecht, the Netherlands.
- 2007 Symposium at winter conference of the Nederlandse Vereniging voor Psychonomie, Egmond aan Zee, the Netherlands.
- 2005 Expert meeting 'Advances in developmental cognitive neuroscience' at the University of Amsterdam, the Netherlands. Co-chair together with Prof. Eveline Crone.

Professional memberships

- Society for Research in Child Development,
- Nederlandse Vereniging voor Neuropsychologie,
- Vereniging Nederlandse Ontwikkelingspsychologie,
- Landelijk Netwerk Vrouwelijke Hoogleraren.

Research Schools / Institutes

- William James Graduate School,
- LEARN! Research Institute,
- Interuniversity Center for Centre for Educational Sciences,

Member of jury PhD theses.

- Dr. Annemarie Boschloo (Vrije Universiteit, Amsterdam, 11/12/12)
- Dr. Sanne Dekker (, Amsterdam, 01/11/13)
- Dr. Nihal Yeniad (Leiden University, 03/12/14)
- Dr. Bianca van Bers (University of Amsterdam, 20/03/14)
- Dr. Helen Reed (Vrije Universiteit, Amsterdam, 30/06/14)
- Dr. Jeffrey Derks (Vrije Universiteit, Amsterdam, 29/05/15)
- Dr. Iro Xenidou-Dervou (Vrije Universiteit, Amsterdam, 12/01/15)
- Dr. Sarah Plukaard (Vrije Universiteit, Amsterdam, 07/09/15)
- Dr. Sabine Peters (Leiden University, 27/01/16)
- Amber de Wilde, MSc (Vrije Universiteit, Amsterdam, .. /.. /17)
- Loren Vandenbroucke, MSc (University of Leuven, 22/5/17)

Teaching activities.

- 2016 - current. Leergang Onderwijskundig Leiderschap (LOL). Vrije Universiteit, Amsterdam.

- 2013 Obtained Seniorekwalificatie Onderwijs (SKO; Senior Teaching Qualification for scientific education)
- 2009 Obtained Basiskwalificatie Onderwijs (BKO; Basic Teaching Qualification for scientific education)
- 2009 Obtained Teacher-supervisor registration. Nederlands Instituut van Psychologen (NIP; Dutch professional association of psychologists).

Teaching of several Bachelor and (Research) Master courses mainly focused on (special) education, developmental (neuro-)psychology and research methods.

Education management

Current Director of Education of Bachelor and Master Program Child and Family Studies, Vrije Universiteit Amsterdam.

Past Chair of the Boards of Examiners at the Department of Education, and of the master program Teaching and Learning in Higher Education at the Faculty of Psychology and Education, Vrije Universiteit Amsterdam.

Member of the Education Committees Psychology, and of the Research Master Brain and Cognitive Sciences at the University of Amsterdam, the Netherlands. Coordinator of the Education Program at the Developmental Psychology Section at the University of Amsterdam.

Other Dutch academic activities

- 2016 – current Representative KnowVU at Faculty of Movement and Behavioral Sciences, Vrije Universiteit, Amsterdam
- 2016 – current Member of ‘Evaluatiecommissie Academische Kern’, Vrije Universiteit, Amsterdam
- 2016 – current Member of ‘Adviescommissie Bruto Academische Waarde’, Vrije Universiteit, Amsterdam
- 2016 Member of delegation Directors of Education and members of Education Committees ‘Instellingstoets Kwaliteitszorg’ Vrije Universiteit, Amsterdam
- 2016 Member of committees Midterm evaluations of Bachelor and Master Criminology, and Bachelor and Master of Human Movement Sciences, Vrije Universiteit, Amsterdam
- 2015 Chair of ‘Adviescommissie Toetsbeleid’ at the Vrije Universiteit Amsterdam.
- 2015 Member of the ‘Werkgroep Uniformering Cum-Lauderegeleing’ at the VU University Amsterdam.
- 2013 Member of the ‘Werkgroep Selectie HBO-p’ at the Vrije Universiteit Amsterdam.
- 2011 - current Member of the Adviescommissie Ernstige Schade at the Commissariaat voor de Media.
- 2011 – 2012 Member (delegate) of Ethical Committee at the Department of Communication Science at the University of Amsterdam.
- 2009 Ad-hoc member of Adviescommissie Arbeidstijdenwet (Ministerie van Sociale Zaken en Werkgelegenheid)

Contribution to public debate

Several interviews in newspapers, magazines, and on national public radio, e.g. with Het Parool, Volkskrant Magazine, Psychologie Magazine, Balans Magazine, Sardes Magazine, De Correspondent, J/M Magazine, Bionieuws, Tijdschrift voor Remedial Teaching, Radio 1, Hoe?Zo! Radio.

Presentations

- Numerous (invited) presentations at (peer-reviewed) conferences.
- Numerous guest lectures at universities, high schools, child development institutions.

- **Refereed articles (total: 24)**

- (24) Vander Heyden, K.M., **Huizinga, M.**, Raijmakers, M.E.J. & Jolles, J. (2017). Development of children's ability to represent another person's spatial perspective. *Journal of Experimental Child Psychology*, 153, 57-73.
- (23) Vander Heyden, K.M., **Huizinga, M.**, & Jolles, J.J. (2017). Effects of a Classroom Intervention with Spatial Play Materials on Children's Object and Viewer Transformation Abilities. *Developmental Psychology*, 53, 2, 290-305.
- (22) Baumgartner, S.E., Lemmens, J., Weeda, W.D., & **Huizinga, M.** (2016). Measuring media multitasking: development of a short measure for media multitasking in adolescents. *Journal of Media Psychology*, 19, 72-100. doi: 10.1080/15213269.2014.885843.
- (21) Vander Heyden, K.M., Van Attevelde, N.M., **Huizinga, M.** & Jolles, J.J. (2016). Implicit and Explicit Gender Beliefs in Spatial Ability: Stronger Stereotyping in Boys than Girls. *Frontiers in Psychology*, 7: 1114. doi: 10.3389/fpsyg.2016.01114 .
- (20) Vander Heyden, K.M., **Huizinga, M.**, Kan, K-J., & Jolles, J. (2016). A developmental perspective on spatial reasoning: Dissociating object transformation from viewer transformation ability. *Cognitive Development* (38), 63-74.
- (19) Plukaard, S.C, **Huizinga, M.**, Krabbendam, L., & Jolles, J. (2015). Cognitive flexibility in healthy students is affected by fatigue: An experimental study. *Learning and Individual Differences*, 38, 18-25.
- (18) Plukaard, S.C, **Huizinga, M.**, Krabbendam, L., & Jolles, J. (2015). Dissociable effects of induced and baseline fatigue on task switching in a healthy students sample. *Learning and Individual Differences*, 38, 18-25.
- (17) Nikkelen, S.M.C., Valkenburg, P.M., **Huizinga, M.**, & Bushman, B. (2014). Media use and ADHD-related behaviors in children and adolescents: A meta-analysis. *Developmental Psychology*, 50 (9), 228-2241.
- (16) Baumgartner, S.E., Weeda, W.D., Van der Heijden, L.L. & **Huizinga, M.** (2014). The relationship between media-multitasking and executive function in early adolescents. *Journal of Early Adolescence*, 34 (8), 1120-1144.
- (15) **Huizinga, M.**, Smidts, D.P. & Ridderinkhof, K.R. (2014). Changing minds: Cognitive flexibility in the classroom. *Perspectives on Language and Literacy*, 40 (2), 31-35.
- (14) Van Batenburg-Eddes, T., Lee, N.C., Weeda, W.D., Krabbendam, L. & **Huizinga, M.** (2014). The potential adverse effect of energy drinks on executive functions in early adolescence. *Frontiers in Psychology*, 5:457.
- (13) Weeda, W.D., Van der Molen, M.W., Barcelo, F., & **Huizinga, M.** (2014). A diffusion model analysis of age-effects in task switching. *Journal of Experimental Child Psychology*, 126, 178-197.
- (12) **Huizinga, M.** & Smidts, D.P. (2011). Age-related change in executive function: A normative study of the Dutch version of the Behavior Rating Inventory of Executive Function (BRIEF). *Child Neuropsychology*, 17 (1), 51-66.
- (11) **Huizinga, M.** & Van der Molen, M.W. (2011) Task switching and shifting between stopping and going: Developmental change in between-trial control adjustments. *Journal of Experimental Child Psychology*, 108, 484-503.

(10) **Huizinga, M.**, Burack, J.A. & Van der Molen, M.W. (2010) Age-related change in shifting attention between global and local levels of hierarchical stimuli. *Journal of Cognition and Development*, (11) 4, 408 - 436.

(9) Van der Molen, M.J.W., **Huizinga, M.**, Huizenga, H.M., Ridderinkhof, K.R., Van der Molen, M.W., Hamel, B.J.C., Curfs, L.M.G., & Ramakers, G.J.A. (2010). Profiling Fragile X Syndrome in Males: Strengths and weaknesses in cognitive abilities. *Research in Developmental Disabilities*, 31(2), 426-439. [impact: 4.41; times cited: 26].

(8) Colzato, L., **Huizinga, M.**, & Hommel, B. (2009). Cocaine and cognitive flexibility: Evidence for a role of dopamine-2 receptors in switching between tasks. *Psychopharmacology*, 207: 225-234.

(7) Schüpbach, D., **Huizinga, M.**, Duschek, S., Boeker, H., Grimm, S., Holstein, D., & Hell, D. (2009). Rapid cerebral hemodynamic modulation during set shifting: evidence of time-locked associations with cognitive control in females. *Brain and Cognition*, 71, 313-319.

(6) **Huizinga, M.** & Van der Molen, M.W. (2007) Age-group differences in set-switching and set-maintenance on the Wisconsin Card Sorting Task. *Developmental Neuropsychology*, 31(2), 193-215.

(5) **Huizinga, M.**, Dolan, C.V., & Van der Molen, M.W. (2006) Age-related change in executive function: Developmental trends and a latent variables analysis. *Neuropsychologia*, 44 (11), 2017-2036.

(4) Crone, E.A. & **Huizinga, M.** (2006). Preface to special issue "Advances in developmental cognitive neuroscience". *Neuropsychologia*, 44 (11), 2015-2016.

(3) Welsh, M.C. & **Huizinga, M.** (2005). Tower of Hanoi disk-transfer task: Influences of strategy knowledge and learning on performance. *Learning and Individual Differences*, 15(4), 283-298.

(2) Alting von Geusau, N.J., Stalenhoef, P., **Huizinga, M.**, Snel, J. & Ridderinkhof, K.R. (2004). Impaired executive function in male MDMA ("ecstasy") users. *Psychopharmacology*, 175(3), 331-341.

(1) Welsh, M.C. & **Huizinga, M.** (2001). The development and preliminary validation of the Tower of Hanoi - Revised. *Assessment*, 8(2), 167-176.

- **Non-refereed articles (total: 4)**

(4) Graas, D., Bexkens, & Huizinga, M. (2015). Passend onderwijs voor kinderen met een licht verstandelijke beperking: terugblikken en vooruitzien. *Tijdschrift voor Orthopedagogiek* 54 (9), 384-399.

(3) Bexkens, A., Graas, D., & **Huizinga, M.** (2014). Als dat maar goed gaat: kinderen met een licht verstandelijke beperking in het Passend Onderwijs. *De Psycholoog*, 24-29.

(2) **Huizinga, M.** & Smidts, D.P. (2012). Gedrag in goede banen leiden: over executieve functies bij kinderen en jongeren. *NIP Nieuwsbrief Sectie Revalidatie*, 26(63), 4-5.

(1) **Huizinga, M.** (2007) De ontwikkeling van executieve functies tussen kindertijd en jongvolwassenheid. *Neuropraxis*, 11, 74-82.

- **Books (total: 3)**

(3) **Huizinga, M.**, Graas, D. & Bexkens, A. (eds.) (2017). *Kinderen met een licht verstandelijke*

bepmerking in het passend onderwijs. Visie op ondersteuning in de klas. Antwerpen: Garant.

(2) Smidts, D.P. & **Huizinga, M.** & (2017). *Gedrag in uitvoering. Over de rol van executieve functies bij kinderen en pubers. Tweede editie.* Amsterdam: Nieuwezijds.

(1) Smidts, D.P. & **Huizinga, M.** & (2011). *Gedrag in uitvoering. Over de rol van executieve functies bij kinderen en pubers.* Amsterdam: Nieuwezijds.

- **Book chapters (total: 8)**

(8) Burack, J.A., Campbell, C.A., Landry, O. & **Huizinga, M.** (2017). Bloopers, Errors and Turnovers: Sports as a context for understanding the development of rule usage and mistake making. In: M. Dennis, A. Young, G. Iarocci (eds.) *Executive Functions in Children's Everyday Lives: A Handbook for Professionals in Applied Psychology.* New York: Oxford University Press.

(7) **Huizinga, M.**, Baeyens, D., Ouwehand, C., & Burack, J.A. (2017). Executive functions. In: Hopkins, B., Geangu, E., and Linkenauer, S. (eds.). *The Cambridge Encyclopedia of Child Development (2nd ed.)*. Cambridge, UK: Cambridge University Press.

(6) Baeyens, D. & **Huizinga, M.** (2016). Executieve functies. In: Verschueren, K. and Koomen, H. (eds.) *Handboek diagnostiek in de leerlingbegeleiding.* Antwerpen: Garant.

(5) Geurts, H.M. & **Huizinga, M.** (2016). Aandacht en executieve functies. In: H. Swaab, A. Bouma, J. Hendriksen, & C. König (Eds.). *Klinische kinderneuropsychologie.* Amsterdam: Boom.

(4) **Huizinga, M.**, Nikkelen, S.M.C., & Valkenburg (2013). Children's Media Use and its Relation to Attention, Hyperactivity, and Impulsivity. In D. Lemish (Ed.), *Routledge International Handbook on Children, Adolescents and the Media* (pp. 179-185). London: Routledge.

(3) Russo, N., Dawkins, T., **Huizinga, M.** & Burack, J.A. (2012). Executive function across syndromes associated with intellectual impairments: A developmental perspective. In J. Burack, R.M. Hodapp & E. Zigler (Eds.), *The Oxford handbook of intellectual disabilities and development* (pp. 125-137). New York: Oxford University Press.

(2) Geurts, H.M. & **Huizinga, M.** (2011). Aandacht en executieve functies. In H. Swaab, A. Bouma, J. Hendriksen & C. König (Eds.), *Klinische kinderneuropsychologie* (pp. 169-188). Amsterdam: Boom.

(1) Burack, J.A., Russo, N., Dawkins, T. & **Huizinga, M.** (2010). Developments and regressions in rule use: the case of Zinedine Zidane. In B.W. Sokol, J. Carpendale, U. Müller, A. Young & G. Iarocci (Eds.), *Self- and social-regulation: Exploring the relations between social interaction, social cognition, and the development of executive functions* (pp. 111-128). New York: Oxford University Press.

- **Patents**

N/A

- **Other (total: 2)**

Test manuals:

(2) **Huizinga, M.** & Smidts, D.P. (2016). *BRIEF Screener. Vragenlijst voor snelle screening van executieve functies bij kinderen en jongeren.* Amsterdam: Hogrefe Uitgevers.

(1) **Huizinga, M.** & Smidts, D.P. (2012). *BRIEF Executieve Functies Gedragsvragenlijst: Vragenlijst executieve functies 5- tot 18-jarigen.* Amsterdam: Hogrefe Uitgevers.