

PERSONAL INFORMATION

Name: Prof. Dr. Eveline A. Crone

Address: Department of Developmental Psychology, Leiden University, The Netherlands

Date and place of birth: 23-10-1975, Schiedam, the Netherlands

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EDUCATION

- 2003 Ph.D. *cum laude*, Developmental Psychology, *University of Amsterdam*
1999 M.A., Developmental Psychology, *University of Amsterdam*
1997-1998 Internship J. Richard Jennings and B.J. Casey, *University of Pittsburgh*

WORK EXPERIENCE AND POSITIONS

- 2009-present Professor in Neurocognitive Developmental Psychology, *Leiden University*
2009-2014 Professor in Neurocognitive and Affective Adolescent development, *University of Amsterdam*
2008-2009 Associate professor, Department of Developmental Psychology, *Leiden University*
2005-2007 Assistant professor, Department of Developmental Psychology, *Leiden University*
2003-2005 Postdoctoral associate, Center for Mind and Brain (advisor: Dr. Silvia Bunge), *University of California at Davis*

SELECTED HONOURS AND RECOGNITIONS

- 2017 **Member of the Scientific Council of the European Research Council**
Members of the council are appointed by the European Commission, and act on behalf of the scientific community in Europe to promote creativity and innovative research.
- 2013 **Elected Member of the Royal Academy of Arts and Sciences (KNAW).**
Members of the KNAW represent the full spectrum of scientific and scholarly endeavor and are selected on the basis of their scientific achievements. Members are appointed for life.
- 2012 **Elected Member of the Royal Dutch Society of Sciences and Humanities**
Members of the Royal Dutch Society of Science and Humanities (the oldest scientific society in the Netherlands, founded in 1752) are selected based on scientific achievements and are appointed for life.
- 2012 **Elected member of the Academia Europaea**
The Academia Europaea is a European, non-governmental association academy of scientists and scholars who collectively aim to promote

learning, education and research (2000 members, 40 Nobel laureates).

- 2009 **Fellow of the Association for Psychological Science (APS)**
Fellow status is awarded to APS members who have made sustained outstanding contributions to the science of psychology.
- 2008-2013 **Elected Member of the Young Academy of the Royal Academy of Arts and Sciences (KNAW)**
The Young Academy is a dynamic and innovative group of top young scientist and scholars with outspoken views about science and policy. Membership is based on outstanding scientific achievements within 10 years after received a PhD. The Young academy accounts 50 members who are appointed for 5 years.

SCIENTIFIC AWARDS

- 2017 **KNAW-Hendrik Muller Award**
Biannual award for contributions to behavioural and social sciences (25.000E)
- 2017 **NWO- Spinoza Award**
Highest Dutch academic award for ground-breaking research with large scientific impact (2.500.000E)
- 2017 **Ammodo Award in Social Sciences**
This mid-career award is granted to individuals with outstanding scientific achievements and support fundamental research (300.000E).
- 2011 **Early Career Award in Social Sciences**
This award was issued as part of the 10-year anniversary of the Dutch Network of Female Professors (LNVH). It was awarded to four female professors who were within 10 years after receiving their PhDs in the fields of social sciences, humanities, life sciences and medical sciences.
- 2011 **Early Career Award Society for Psychophysiological Research (SPR)**
The international Society of Psychophysiological Research awards yearly a researcher who has made distinguished early career contributions to psychophysiology research.
- 2009 **Huibregtsen Award for Excellence in Science and Communication.**
The Huibregtsen Award (previously known as award for Science and Society) is awarded yearly to a scientist who does ground breaking research that has implications for society. Dutch Minister of Education hands out the award.
- 2008 **Junior Heymans Early Career Award**
The Junior Heymans Award is awarded biannually by the Netherlands Institute for Psychology (NIP) for outstanding scientific achievements in psychology.
- 2007 **J.C. Ruijgrok Contributions to Social Sciences Award**
The Royal Dutch Society of Sciences and Humanities award the J.C.

Ruijgrok Award for outstanding research contributions in law, economics, social sciences and humanities. It is awarded once every four years in the domain of social sciences.

2005 **Best Dissertation Award Dutch Society for Psychonomics**
The Best Dissertation Award by the Dutch Society for Psychonomics is awarded biannually to the best PhD thesis in the field of cognitive neurosciences in the Netherlands.

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A. PERSONAL STATEMENT

My research examines the psychological and neural processes involved in cognitive control and self-regulation. All of my work employs a developmental cognitive neuroscience approach to examine the relation between brain development and changes in psychological processes from birth to adulthood, with a special focus on adolescence. Using longitudinal neuroimaging techniques, my lab examines developmental trajectories over time in the domains of working memory, inhibition, planning, risk taking, social learning, social rejection and prosocial behavior, as well as individual differences between individuals. One of my special interests involves enrichment of cognitive and social experiences of children and adolescents using longitudinal, training and intervention designs.

B. CONTRIBUTIONS TO SCIENCE

The mission of the Brain and Development Research Center at Leiden University is to understand the dynamic relation between cognitive and brain development from childhood to adulthood. Besides our mission to do innovative and excellent scientific research, we invest in the contribution and translation of scientific findings to society.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

<i>PhDs ongoing</i>	<i>Grants</i>	<i>Date of Expected Completion</i>
Philip Brandner		2021
Suzanne van de Groep		2021
Bianca Westhoff		2021
Laura van der Aar		2020
Renske van der Cruijssen		2020
Jochem Spaans		2020
Mara van der Meulen		2020

Michelle Achterberg		2020
Lisa Schreuders		2018
Neeltje Blankenstein		2018
PhDs Completed		Subsequent Position:
Linda van Leijenhorst	<u>Rubicon¹</u>	Post doc at UCLA, USA
Wouter van den Bos (<i>PhD cum laude</i>)	<u>Rubicon¹</u>	Post doc at Stanford University, USA
Dietsje Jolles	<u>Rubicon¹</u>	Post doc at Stanford University, USA
Bregtje Gunther Moor		GZ-Clinical Training-program
Margot Schel	<u>Rubicon¹</u>	Post doc at Karolinska Institute, Sweden
Sandy Overgaauw		Post doc at Leiden University, Netherlands
Bianca van den Bulk		Post doc at Leiden University, Netherlands
Geert-Jan Will		Post doc at University College London, UK
Barbara Braams	<u>Rubicon¹</u>	Post doc at Harvard University, USA
Sietske Kleibeuker		Guest at Leiden University, Netherlands
Sabine Peters (<i>PhD cum laude</i>)		Post doc at Leiden University, Netherlands
Jorien van Hoorn		Post doc at University of North Carolina, USA
Rosa Meuwese		Teaching at Leiden University
Post docs ongoing		Period:
Eduard Klapwijk		2017-2019
Sarah Burke		2016-2019
Marieke Bos		2016-2018
Lara Wierenga		2017-2019
Post docs completed		Current Position:
Berna Guroglu (<i>PhD cum laude</i>)	<u>VENI²</u>	Full Professor at Leiden University
Jiska Peper	<u>VENI²</u>	Assistant Professor at Leiden University
Cédric Koolschijn		Post doc at University of Amsterdam
Anna v. Duijvenvoorde (<i>PhD cum laude</i>)		Assistant Professor at Leiden University
Janna Cousijn (<i>PhD cum laude</i>)		Post doc at Utrecht University
Kiki Zanolie	<u>AXA³</u>	Assistant Professor Univ Amsterdam
		Assistant Professor at Leiden University

¹ NWO Rubicon Grants Rubicon is targeted at talented researchers who have completed their doctorates in the past year to gain experience at a top research institution outside the Netherlands

² NWO VENI grants: VENI is targeted at outstanding researchers who have recently obtained their PhD. They are at the start of their scientific career and display a striking talent for scientific research.

³ AXA Research Grant: AXA post-doctoral research grant is targeted at outstanding young researchers who pay specific attention to science communication

ORGANISATION OF SCIENTIFIC CONFERENCES

- 2015 **Organization and chair of the host committee FLUX conference**
The Flux International Society for Integrative Developmental Cognitive Neuroscience held its third annual meeting in Leiden in 2015 (first time in Europe). The meeting was attended by more than 250 scientists from various continents including Europe, US, South-America and Asia.
- 2007 **Organization of International Jean Piaget Society conference**
The Jean Piaget Society organized their annual meeting in Amsterdam with the theme: '*Developmental Social Cognitive Neuroscience*'. More than 500 international scientists attended the meeting. Other members of the organization committee were Profs. Phil Zelazo and Michael Chandler.

ORGANISATION OF EXPERTS MEETINGS

- 2016 SRCD Strategic Plan funded meeting (UCLA) '*International Consortium on the Interaction between Social Context and Neural Development in Prosocial Behavior during Adolescence*' (together with Prof. Andrew Fuligni, Dr. Wouter van den Bos and Dr. Adriana Galvan)
- 2014 Organization of workshop Gene x Environment Interactions in the developing brain (Netherlands), *Netherlands Institute for Advanced Studies* (together with Prof. Bernet Elzinga)
- 2014 Organization of the Jacobs Meeting (Marbach Switzerland), '*Making connections: How neural development and social experience interact to create productive and socially engaged youth*' (together with Prof. Ron Dahl, Prof. Andrew Fuligni & Dr. Adriana Galvan)
- 2012 Organization of Lorenz Workshop (Leiden) '*Language development and brain development in children and adolescents*' (together with Profs. Niels Schiller and Paul van den Broek).
- 2009 Expert meeting (Amsterdam) '*Methods and Challenges in Developmental Neuroimaging*' (together with Prof. Sarah Durston)
- 2007 Organization of Expert meeting (Leiden) '*Risks and Opportunities in adolescent brain development*' (together with Prof. Michiel Westenberg and Dr. Linda van Leijenhorst)
- 2005 Organization of Expert meetings (2005, Amsterdam) '*Advances in Developmental Cognitive Neuroscience*' (together with Dr. Mariette Huizinga)

EDITORIAL SERVICE

- 2011-2016 **Associate Editor *Social, Cognitive, and Affective Neuroscience (SCAN)*, 2011-2018. IF 6.8**
- 2016 Guest editor special issue on 'Inflection Points in Brain Development' ***Child Development*. IF 4.2**
- 2016 Guest editor special issue on 'Sensitive Periods in Brain Development' ***Developmental Cognitive Neuroscience*. IF 3.8**
- 2010 Guest editor special issue on 'Challenges and Methods in Developmental Neuroimaging' ***Human Brain Mapping*. IF 6.9**
- 2006 Guest editor special issue on 'Advances in Developmental Cognitive Neuroscience' ***Neuropsychologia*. IF 4.4**
- 2003- Reviewer for **36** international journals (including *Science*, *PNAS*, *J Neuroscience*). Editorial board member for *Developmental Science* and *Developmental Cognitive Neuroscience*.

INTERNATIONAL COLLABORATIONS (selection)

- 2016 Collaboration with Prof. Essi Viding (University College London), Dr. Wouter van den Bos (Max Planck Berlin) and Dr. Anna van Duijvenvoorde (Leiden University) as part of an ORA funded international research project on social learning.
- 2016 Collaboration with Dr. Christian Tamnes on structural brain development. Dr. Tamnes visited the Brain and Development Research Center at Leiden University for a period of 2 months to work on the Braintime data.
- 2016 Collaboration with Dr. Anne-Lise Goddings on white matter brain development. Dr. Goddings visited the Brain and Development Research Center at Leiden University for a period of 2 months to work on the Braintime data.
- 2015-2016 2 GROW NIH-NWO fellowships awarded to Catherine Insell (Harvard University) and Rosa Li (Duke University) for 4 month visits to Leiden University.
- 2010-2015 Collaboration with Prof. Patrick Haggard (University College London), Prof. Marcel Brass (Ghent University) and Prof. Alex Munchau (University of Hamburg) in a collaborative study on intentional inhibition as part of a European Collaborative Grant (EUROSCORES/ESF €1.473.897).
- 2014- Collaboration with Prof. Ron Dahl (UC Berkeley, USA), Andrew Fuligni (UC Berkeley, USA) and Adriana Galvan (UCLA, USA), as part of a Jacobs Foundation Network Initiative on prosocial development (ongoing)
- 2007- Collaboration with Prof. Phil Zelazo (Univ. of Minnesota, USA), on the development of perspective-taking, funded by an NWO visitor grant (ongoing).
- 2013- Collaboration with Prof. Jennifer Pfeifer (Univ. of Oregon, USA), on the development of self-concept funded by an NWO visitor grant (ongoing).

- 2012- Collaboration with Prof. Lea Somerville (Harvard University, USA) with exchanges of PhD students between labs (Van den Bulk visited Harvard Univ. in 2012 and Braams visited Harvard Univ. in 2014, Insel visited Leiden in 2015).
- 2008- Consultant on grants of Prof. Eva Telzer (Univ. of Illinois, USA), Prof. Greg Hacjak (Stonybrook Univ., USA), Prof. Deanna Barch (Univ. of Washington, USA).

KEY NOTE PRESENTATIONS (selection of most recent international invitations)

- 2018 Invited key note presentation at EARA conference, September 12-15, 2018, Ghent, Belgium.
- 2018 Invited key note presentation at Flux conference: Big data little brains, University of Northern Carolina, May 6-8, 2018.
- 2017 Invited talk at the Society for Research on Child Development (SRCD), Austin US, April 6-8, 2017.
- 2017 Invited key note presentation Duke University, Durham University, USA
- 2016 Invited talk at the Netherlands-OECD Global Symposium in financial resilience throughout life, April 2016. In the presence of Queen Maxima of the Netherlands and the Minister of Finance. Ranked as best presentation (score 8.9 on a scale of 10) of all international speakers.
- 2016 Invited talk at the Society for Research on Adolescence (SRA), Baltimore US, March 31-April 2, 2016.
- 2015 Invited keynote lecture at the European Association for Developmental Psychology (EAPD), Portugal, September 8-12, 2015.
- 2015 Invited plenary speaker at the Flux Conference for Integrative Developmental Cognitive Neuroscience, September 17-19, 2015.
- 2015 Invited plenary speaker at the Society for Research on Child Development (SRCD), March 19-21, 2015.
- 2015 Invited speaker at the International Convention of the Association for Psychological Science (ICPS/APS), Amsterdam, March 12-14, 2015.
- 2014 Invited speaker at the Social Brain Conference of the Federation of European Neuroscience Societies (FENS), Copenhagen, October 5-8, 2014.
- 2014 Invited Lecturer at the Sackler Summer institute for Developmental Neuroscience in Manhattan, July 14-18, 2014.
- 2014 Invited Honorary Birch key note lecture at the International Neuroscience Society (INS) meeting in Jerusalem, July 9-11, 2014.
- 2014 Invited Key note lecture at the Neuroscience and Education conference for the EARLI in Gottingen, June 12-14, 2014.
- 2014 Invited key note lecture for the international EARA-SRA meeting on adolescence in the Netherlands, June 2-6, 2014.
- 2014 Invited speaker for the National Science Council, Special topic: Motivation in the Adolescent Brain, Minneapolis USA.

C. RESEARCH FUNDING

SHORT DESCRIPTIONS OF ONGOING GRANTS

2016-2021 PI ERC Consolidator grant: €2,000,000

A normative longitudinal and intervention study on the neural correlates of prosocial behavior including helping, sharing and cooperation in children, adolescents and adults. Relations with daily life helping and sharing are tested.

2015-2020 PI NWO VICI: €1,500,000

A three-wave longitudinal study on the neural correlates of self-concept in children, adolescents and adults, with a secondary focus on training for adolescents who have difficulty making future oriented choices. Also includes hormone assessments.

2013-2023 PI Gravity program as part of a larger collaborative grant €27,000,000

This large multi-site project is one of the largest collaborative neuroimaging studies in the Netherlands. The Leiden site involves a parenting intervention including three collaborative labs. Outcome measures are aggression regulation and prosocial development.

FULL LIST ONGOING AND COMPLETED

PERSONAL GRANTS

2017-2027 Spinoza award: €2,500,000
2016-2021 PI ERC Consolidator grant: €2,000,000
2011-2016 PI ERC Starting grant: €1,500,000
2015-2020 PI NWO VICI: €1,500,000
2007-2012 PI NWO VIDI: €700,000
2005-2008 PI NWO VENI: €200,000
2004-2005 PI NWO Talent: €32,400

PHD GRANTS

2011-2015 PI NWO Research Talent Grant €168,176
2010-2014 PI NWO Brain and Cognition Grant €212,500
2010-2014 PI NWO Open Competition Grant €200,000
2007-2011 co-PI NWO Open Competition grant €200,000

COLLABORATIVE GRANTS

2018-2021 Project coordinator NWA Startimpuls Neurolab €2,500,000, as part of a large collaborative grant involving 20 scientists from 10 Dutch Universities and 20 societal partners.
2013-2023 PI Gravity program €600,000 as part of a larger collaborative grant €27,000,000
2016-2019 co-PI ORA grant (PIs Anna van Duijvenvoorde, Wouter van den Bos, Essi Viding) €220,000 as part of a large collaborative grant in collaboration with Germany and the UK, €1,100,000
2010-2014 PI European Science Foundation €220,000 as part of a collaborative grant of €1,473,897 together with University College London (Prof.

Haggard), University of Gent (Prof. Brass) and University of Hamburg (Prof. Munchau)

CONFERENCE, VISITOR, REPLACEMENT GRANTS

2003-2015 Several conference, visitor, replacement and smaller research grants: €246,800

D. CONTRIBUTIONS TO SCIENCE POLICY

CHAIRMAN

- 2016- **Chairman (“Boegbeeld”) National Science Agenda Route 8: Brain, Cognition and Behavior**
The National Science Agenda (Nationale Wetenschapsagenda) is an integrative initiative in which the most urgent societal questions are combined with the strengths of the Dutch Scientific Community. As chairman, together with Jeroen Geurts, I developed a new interdisciplinary research agenda in close collaboration with researchers and societal partners in the domain of Brain and Cognition.
- 2015- **Chairman NWO committee Brain, Cognition and Education, Netherlands Organization for Scientific Research (NWO).**
A committee of 15 outstanding researchers from interdisciplinary fields of experimental brain studies and educational sciences combined efforts to develop a new research agenda. The agenda was handed out to the president of the international EARLI society on June 23 2016. Further development of the agenda are planned in the fall of 2016.
- 2012-2016 **Chairman of the Developmental Psychology Department, Leiden University**
The department of developmental psychology consists of over 50 staff members. As a chair, I supervise staff, ongoing research projects and the teaching program of the department.
- 2009-2011 **Chairman The Young Academy, Royal Dutch Academy of Arts and Sciences (KNAW)**
In my 2 years as the chairman of the Young Academy, I developed new initiatives on integration of science and policy and interdisciplinary science projects. The board and I developed connections with important stakeholders in the Netherlands including the boards of the universities, the Royal Dutch Society for Science and Humanities, NWO, VSNU and international young academies.

COMMITTEE MEMBER

- 2017- **Member of the Scientific Council of the European Research Council (ERC).**
The Scientific Council, the ERC's governing body, defines the scientific funding strategy and methodologies. It acts on behalf of the scientific community in Europe to promote creativity and innovative

research. The 22 members of the council are composed of eminent scientists and scholars, who are appointed by the European Commission.

- 2017- **Member of the Social Science Council (SWR) of the Royal Academy of Arts and Sciences (KNAW)**
The Social Sciences Council works to promote the social sciences and advises on pertinent matters. The Council prepares advisory reports for the Academy's Executive Board and organizes plenary conferences and meetings between social scientists representing the Academy and the NWO.
- 2017- **Member** of the board of Flux- International Society for Integrative Developmental Cognitive Neuroscience
- 2016 Durham University UK Department of Psychology **Member** of the Advisory Board.
- 2015- **Member** of the European Research Council Starting Grant SH4 Evaluation Panel
- 2014- **Member** of the Scientific Board of Netherlands Institute for Advanced Studies
- 2014- **Member** of the Board of Advisors of the Lorentz Center-Leiden University
- 2014 **Ambassador** of Leiden Conference city, invitation by Leiden Univ. president and mayor of the city of Leiden
- 2010-2013 **Member** of the Education Advisory Program (PROO), Netherlands Organization for Scientific Research (NWO).
- 2009-2010 **Member** management team Leiden Institute for Brain and Cognition (LIBC)
- 2009- **Initiator** of network for developmental brain imaging groups in Leiden (www.libc-junior.nl)

E. TEACHING

- 2005- Undergraduate Courses: Developmental and Educational Psychology (bachelor year 1), Cognitive Intellectual Development (bachelor year 2, 3), Social-Emotional Development (bachelor year 2,3), Emotion and Cognition (bachelor elective), Brain and Cognition (bachelor elective)
- 2005- Graduate Courses: Developmental Cognitive Neuroscience (research master), Introduction to fMRI research (research master), Designing an Empirical Study (research master).
- 2013- PhD course: What have we learned from imaging the brain?

F. CONTRIBUTIONS TO SOCIETY

BOOKS

- 2008 Dutch science book for general public The Adolescent Brain, **nominated for the NWO Eureka prize 2009, sold > 90.000 copies** (34th press). Translated in Germany, Denmark, Italy, Israel and China.

2012 Dutch Science book for the general public The Social Brain of the adolescent (sold >10,000 copies)

MOVIES

- 2016 "Braintime movie: Discovering the developing brain", documentary on brain development with interviews with adolescents who were followed throughout their adolescent development. Reviewed by the national new paper NRC as '**the new trend in science communication**'. www.brainanddevelopmentlab.nl/braintime
- 2014- Short movies in which PhD students upon completion of their project explain their most important findings and societal implications. <http://www.brainanddevelopmentlab.nl/index.php/video>
- 2010 FastFacts video about the Brain and Development Lab (<http://www.fastfacts.nl/content/eveline-crone-hoe-hersenen-volwassen-worden>)

SCHOOL PROGRAMS

- 2010 Interactive and dynamic website about brain development for youth. Developed together with experts in youth communication: www.kijkinjebrein.nl.

EVENTS

- 2016 Braintime Event January 29 2016, in which 300 adolescents participated together with teachers and policy makers, an event with workshops on brain development
- 2011 Talk at Tedx Amsterdam: <http://www.tedxamsterdam.com/event-2011/>
- 2010 Children's brains in Leiden: Symposium for the general public 2010 (450 attendees).

PRESS

- 2010 News item at the National News: <http://nos.nl/video/158698-professor-eveline-crone-vertelt-over-het-puberbrein.html>
- 2003- Numerous newspaper articles (interviews and science reports in NRC, Volkskrant, Algemeen Dagblad, Telegraaf, Financieel Dagblad, Trouw, Parool, HP/De Tijd, and others) radio interviews (Tros Nieuwsshow, Teleac, Noorderlicht, and others) and television performances (e.g. MAX Breingeheim, Nationale wetenschapsquiz voor jongeren, Teleac)

WOMEN IN SCIENCE

- 2015- Prof. Naomi Ellemers, Prof. Judi Mesman, Prof. Ineke Sluiter and I initiated a new network to give attention to the low number of female professor in the Netherlands, **Athena's Angels: 4 women in science**. The goal of this initiative is to provide background

knowledge on unequal opportunities for women and to stimulate activities to improve career opportunities for women in science. The website: www.athenasangels.nl provides scientific information about implicit bias, as well as personal experiences and recommendations. The website got 30.000 hits within a few days after it was launched and received coverage from all the large newspapers and radio stations in the Netherlands.

2016 Athena's Angels redesigned the Senate Chamber of Leiden University for one month with portraits of only women. The traditional portraits of (all male and one female) professors were covered with portraits of currently active female professors at Leiden University. The initiative was well received by the University's rector and is a starting point of presenting women at more prominent places in the University. They fulfil an important role in setting an example for students and young faculty.

G. PUBLICATIONS

Publications: Citation indices

Web of Knowledge: Number of citations = **7398**; H-index: **45**

Google scholar: Number of citations = **13332**; H-index: **58**

International publications (165):

*Ordered by year, and alphabetically; * = written by PhD student or post doc*

***2018 & in press ***

165. *Becht, A.I., Bos, M.G.N., Nelemans, S.A., Peters, S., Vollebergh, W.A.M., Branje, S.J.T., Meeuws, W.H.J., & **Crone, E.A.** (in press). Goal-directed correlates and neurobiological underpinnings of adolescent identity: A multi-method, multi-sample longitudinal approach. *Child Development*.

164. *Bos, M.G.N., Peters, S., van de Kamp, F., **Crone, E.A.**, & Tamnes, C.K. (in press). Emerging depression in adolescence coincides with accelerated frontal cortical thinning. *Journal of Child Psychology and Psychiatry*.

163. *Blankenstein, N.E., Schreuders, E., Peper, J.S., **Crone, E.A.**, & Van Duijvenvoorde, A.C.K. (2018). Individual differences in risk-taking tendencies modulate the neural processing of risky and ambiguous decision-making in adolescence. *Neuroimage*, 172, 663-673.

162. **Crone, E.A.** & Konijn, E.A. (2018). Media use and brain development during adolescence. *Nature Communications*, 9:588.

161. Peper, J.S., Braams, B.R., Blankenstein, N.E., Bos, M.G.N., & **Crone, E.A.** (in press). Development of multi-faceted risk-taking and the relations to steroid hormones: A longitudinal study. *Child Development*.

160. *Schreuders, E., Braams, B.R., Blankenstein, N.E., Peper, J.S., Guroglu, B. & **Crone, E.A.** (in press). Contributions of reward sensitivity to ventral striatum activity across adolescence and early adulthood. *Child Development*.

159. *Van der Crujisen, R., Peters, S., Van de Aar, L.P.E., & **Crone, E.A.** (2018). The neural signature of self-concept development in adolescence: The role of domain and valence distinctions. *Developmental Cognitive Neuroscience*, 30, 1-12.

2017

158. *Achterberg, M., Van Duijvenvoorde, A. C. K., Van der Meulen, M., Euser, S., Bakermans-Kranenburg, M. J., & **Crone, E. A.** (2017). The neural and behavioral correlates of social evaluation in childhood. *Developmental Cognitive Neuroscience*, 24, 107-117. **IF = 3.8**

157. *Blankenstein, N. E., Peper, J.S., & **Crone, E. A.**, & Van Duijvenvoorde, A.C.K. (2017). Neural mechanisms underlying risk and ambiguity attitudes. *Journal of Cognitive Neuroscience*, 29(11), 1-15.

156. *Braams, B.R. & **Crone, E. A.** (2017). Peers and parents: A comparison between neural activation when winning for friends and mothers in adolescence. *Social Cognitive and Affective Neuroscience*, 12(3), 417-426. **IF = 6.8**

155. *Braams, B. R. & **Crone, E. A.** (2017). Longitudinal changes in social brain development: Processing outcomes for friend and self. *Child Development*, 88(6), 1952-1965. **IF = 4.9**

154. **Crone, E.A.** & Steinbeis, N. (2017). New perspectives on cognitive control development in childhood and adolescence. *Trends in Cognitive Sciences*, 21(3), 205-215. **IF = 17.9**

153. *Harrewijn, A., Schel, M. A., Boelens, H., Nater, C. M., Haggard, P., & **Crone, E. A.** (2017). Children who stutter show reduced action-related activity in the rostral cingulate zone. *Neuropsychologia*, 96, 213-221. **IF = 4.4**

152. Hoekzema, E., Barba-Muller, E., Pozzobon, C., Picado, M., Lucco, F., Garcia-

Garcia, D., ..**Crone, E. A.**..., & Vilarroya, O. (2017). Pregnancy leads to long-lasting changes in human brain structure. *Nature Neuroscience*, 20(2), 287-296. **IF = 16.7**

151. *Kleibeuker, S. W., Stevenson, C., Van der Aar, L. P. E., Overgaauw, S., Van Duijvenvoorde, A. C. K., & **Crone, E. A.** (2017). Training in the adolescent brain: An fMRI training study on divergent thinking. *Developmental Psychology*, 53(2), 353-365. **IF = 3.0**

150. *Overgaauw, S., Rieffe, C., **Crone, E.A.**, & Guroglu, B. (2017). Assessing empathy across childhood and adolescence: Validation of the Empathy Questionnaire for Children and Adolescents (Emque-CA). *Frontiers in Psychology*: 870.

149. *Peters, S. & **Crone, E.A.** (2017). Increased striatal activity in adolescence benefits learning. *Nature Communications*, 8:1983.

148. *Peters, S., Van der Meulen, M., Zanolie, K., & **Crone, E.A.** (2017). Predicting reading and mathematics from neural activity for feedback learning. *Developmental Psychology*, 53(1), 149-159. **IF = 3.0**

147. *Peters, S., Peper, J. S., Van Duijvenvoorde, A. C. K., Braams, B. R., & **Crone, E.A.** (2017). Amygdala-orbitofrontal connectivity predicts alcohol use two years later: A longitudinal neuroimaging study on alcohol use in adolescence. *Developmental Science*, 20(4). **IF = 4.3**

146. Schutter, D. J., Meuwese, R., Bos, M. G., **Crone, E. A.**, & Peper, J. S. (2017). Exploring the role of testosterone in the cerebellum link to neuroticism: From adolescence to early adulthood. *Psychoneuroendocrinology*, 78, 203-212. **IF = 4.9**

145. Sul, S., Guroglu, B., **Crone, E. A.**, & Chang, L. (2017). Medial prefrontal cortical thinning mediates shifts in other-regarding preferences during adolescence. *Scientific Reports*, 7: 8510.

144. Tamnes, C. K., Herting, M. M., Goddings, A. L., Meuwese, R., Blakemore, S. J., Dahl, R. E., ... **Crone, E.A.**, & Mills, K. L. (2017). Development of the cerebral cortex across adolescence: A multisample study of inter-related longitudinal changes in cortical volume, surface area, and thickness. *Journal of Neuroscience*, 37(12), 3302-3312. **IF = 7.1**

143. *Van der Crujisen, R., Peters, S. & **Crone, E. A.** (2017). Neural correlates of

evaluating self and close-other in physical, academic and prosocial domains. *Brain and Cognition*. Epub ahead of print. **IF = 2.4**

142. *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.

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