

Curriculum Vitae

**Fenna Hendrika Poletiek, PhD**



Current positions

Senior Investigator Max Planck Institute for Psycholinguistics  
Wundtlaan 1 | Room 326  
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Asst Professor  
Leiden University, Institute of Psychology  
Wassenaarseweg 52 | Room 2B24 | 2333AK Leiden  
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Pobox 9555 | 2300RB Leiden – Netherlands

Visiting Professor  
Newcastle University Institute of Bioscience |Henry Wellcome  
Building  
Framlington Place | UK  
Newcastle upon Tyne NE2 4HH  
Newcastle UK

Court expert in Cognitive Psychology  
Registered at the Netherlands Register for Court Experts  
*Nederlands Register van Gerechtig Deskundigen* NRGD

[Poletiek @ MPI of Psycholinguistics. Neurobiology of Language](#)

[Poletiek @ Leiden University - fenna poletiek](#)

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[http://scholar.google.com/fenna poletiek](http://scholar.google.com/fenna%20poletiek)

[https://www.researchgate.net/Profile/Fenna Poletiek](https://www.researchgate.net/Profile/Fenna_Poletiek)

[www.nrgd.nl](http://www.nrgd.nl)

Family

Married; 3 daughters (born 1994, 1996, 1998)

Languages

Dutch: native

French: native

English: fluent (C1 in terms of the *Common European Framework of reference for Languages*)

Spanish: good

German: good

## Education

- High School:  
 1970-1976 Cité Scolaire d' Amiens, France  
 1976-1977 Gymnasium β, Drachtster Lyceum, Drachten, The Netherlands
- Undergraduate  
 1985 Master (Drs) degree at Groningen University  
 Thesis: *Assessment of legal responsibility of mentally ill offenders.*  
 Thesis supervisor: Prof. Dr W.K.B Hofstee
- 1987- 1991 PhD: University of Amsterdam  
 Department of Psychological Methods  
 1992 Dissertation: *Hypothesis Testing behavior; a theoretical and experimental study*  
 PhD director: Prof. Dr G. Mellenbergh

## Professional Experience

- 1986-1987 Researcher and methodological consultant at the Department for Social Work, University Groningen
- 1987-1991 Researcher (AIO) at the department of Psychological Methods, University of Amsterdam
- 1992-1993 Assistant Professor Department of Linguistics, Tilburg University.
- 1993- 1995 Assistant Professor Department of Cognitive Sciences/ Leiden University.
- 1995-1997 Senior Researcher at the Netherlands Institute of Mental Health Care (Trimbos Instituut). Evaluation Study of the law on coercive hospitalization (BOPZ), ordered by the Ministry of Justice.
- 1997-2004 Fellow of the Royal Netherlands Academy of Arts and Sciences ('Academie-onderzoeker') at the Department of Cognitive Psychology, Leiden University.  
 Research project: *Learning complex grammatical structures: An Artificial Grammar-learning Approach.*
- 2006-2013 Member of the National Expertise Group for Legal Cases of Sexual Abuse. ('Landelijke Expertisegroep Bijzondere Zedenzaken')
- 2004-present Asst Professor at the Department of Cognitive Psychology, Leiden University.
- 2011-2019 Associate Researcher at the Max Planck Institute of Psycholinguistics, Nijmegen
- 2019-present Senior Investigator at the Max Planck institute for Psycholinguistics Neurobiology of Language Group (NBL)
- 2019-present Visiting professor at the Institute of Neuroscience, Newcastle University

## (Inter)national collaboration

- Prof. Dr Carel Stolker, Faculty of Law, Leiden
- Prof. Dr Nick Chater, UCL, Cognition and Decision Making Institute, UK

- Prof. Dr Morten Christiansen, Cornell University, NY, Cognitive Science Department, and External Prof. at Santa Fe Institute for Complexity, USA
- Prof. Dr Pdraic Monaghan, Lancaster University, Cognitive psychology, UK.
- Prof. Dr Tecumseh Fitch, University of Vienna, Cognitive Biology Department, Austria. Advanced Grant holder ERC
- Prof. Dr Maryellen MacDonald, University of Wisconsin at Madison.
- Prof. Dr P. Hagoort, Director Max Planck Institute of Psycholinguistics, Nijmegen.
- Prof. Dr A Meyer, Max Planck Institute of Psycholinguistics, Nijmegen
- Leiden University Centre for Linguistics, Leiden. LUCL
- Dr Bruno Bocanegra, Erasmus University Rotterdam.
- prof dr Chris Petkov. Institute of Neuroscience, Newcastle University, UK.

### **Selected visits and financially supported invited lectures:**

- 2002 "Small group meeting on Cognition as Sampling", Hosts: Prof. Dr Peter Juslin and Prof. Dr Klaus Fiedler.
- 2002 visit to Prof. Dr Peter Juslin, University of Umea, now at Uppsala University, Sweden.
- 2004 to Prof. Dr Nick Chater, Prof. of Cognitive and Decision Sciences, University College London- 2006 to Prof. Dr Pierre Perruchet, Director CNRS laboratoire de Psychologie Cognitive, Université de Dijon, France
- 2010 invited by Prof. Dr T. Fitch (" ERP advanced grant" holder, University Vienna) for the workshop on new methods for studying recursion learning, at the Max Planck Institute for Psycholinguistics. Invitation funded by the ERC grant.
- 2012 Invited speaker in the Lorentz Center Workshop, on *Development in Childhood and Adolescence* January 9-13, 2012, financed by the Lorentz Centre, Leiden.
- 2013 Invited participation to the workshop on *Artificial Grammar Learning: Learnability, Complexity and Meaning*, Tübingen, Germany
- 2013 August-December: *Invited Honorary Fellow* at the Department of Psychology, Cognitive Neuroscience of Language Lab (Prof. M. McDonald and Prof. M. Seidenberg) at the University of Wisconsin, Wisconsin, USA
- 2011-2015 (various periods of 2 to 4 months) Associate Researcher at the Max Planck Institute of Psycholinguistics
- 2015 Invited participant at the Lorentz Center Workshop (Organizers Prof. M. Christiansen, Cornell University; Dr Stefan Frank University Nijmegen; Dr. Karl Magnus Petersson, MPI, Nijmegen), on *Reappraising the role of linear structure in language*. September, 14-17, 2015, financed by the Lorentz Centre, Leiden.
- 2015 Invited Keynote lecture at the *Workshop on language acquisition*, Tübingen, University of Tübingen, 10 December 2015
- 2016 3-months visit of prof dr Michael Frank, Stanford University, USA, Language and Cognition Lab.
- 2017 Invited Speaker at the Codart Conference in Madrid, Prado Museum, on experimental research on authentication of 17<sup>th</sup> century art. June 14, 2017. <https://www.codart.nl/our-events/codart-negentien/downloads/fenna-poletiek/>
- 2018 Invited talk at SCALAB, University Lille, France
- 2019 Invited presentation at MPI Leipzig, Germany
- 2019 Invited lecture at the Institute of neuroscience, the Medical School, Newcastle University

## Other Professional activities

### Registered Expert Witness

For Cognitive Psychologist. In the Netherlands Register for Experts in Court (NRGD- geregistreerd - *Nederlands Register voor Gerechtig Deskundigen*)

### Member of:

- Psychonomic Society (APA)
- Association of Psychological Science (APS)
- European Society for Cognitive Psychology (ESCOP)
- Cognitive Science Society (CSS)
- Leiden Institute for Brain and Cognition LIBC
- Language and Cognition Group, LACG, Leiden University
- Society for Judgment and Decision Making (JDM)
- European Association for Psychology and Law (EAPL)

### Symposium organization:

- At the ESCOP 2006 meeting: Implicit Learning
- At the Lorentz 2012 Workshop on Language Acquisition.

### Editorial Board

- *De Psycholoog*, 2000-2005
- *Psychologie en Maatschappij* 1990-1995

### Past five years Reviewer for (selected Journals )

- *Cognition*
- *Quarterly Journal of Experimental Psychology*
- *Cognitive Science*
- *Thinking and Reasoning*
- *Journal of Experimental Psychology*
- *Psychological Research*
- *Frontiers in Psychology*
- *JEP*

### Selected Scientific Review Committees

- NWO VIDI-committee 2006 & 2007
- Research Committee, Institute of Psychology, Leiden University 2010-present

## Outreach

Member of the National Experts Group for special legal cases of sexual abuse (LEBZ) appointed by the Ministry of Justice. This group advises the Court, Police investigators, and the Prosecution, regarding special cases of sexual abuse (for example, accusations based on recovered memories or testimonies by young children).

Invited lectures for a broad audience (selected):

- Lectures for Studium Generale, Leiden(2010)
- Talks for Science café, Nijmegen (2013)
- Lecture at the annual meeting of the International society of curators of Netherlandish and Flemish 17th Century paintings, on judging authenticity of paintings. June 2016.

Collaboration with

- National Police Agency (developing innovative methods for police investigation; advising on witness reports)
- Booijmans van Beuningen Museum and CoDart (International society of curators of Netherlandish and Flemish 17th Century paintings) (Judging the authenticity of art; recognizing styles)
- Articles for broad audiences in  
*NRC*  
*De Gids*  
*De Psycholoog*  
*De Mare (Leiden University)*  
UL Blog <https://www.leidenpsychologyblog.nl/contributors/fenna-poletiek>

## Administration

- 1984-1987 Undergraduate Student representative at the Faculty board, Groningen University  
Member of the Studium Generale Committee, Groningen University
- 1994-1996 Chair of the Cognitive Psychology Unit at the University of Leiden (UL)
- 2006-present Member of the scientific committee of the Institute of Psychology (UL)  
Member of the board of the Unit for Cognitive Psychology (UL)  
Chair of the Library committee of the Institute of Psychology (UL)  
Member of the Studium Generale Committee (UL)  
Elected representative at the University Council (UL).

## Earning

Grant applications under review

'Free Competition' program NWO – Social Sciences and Humanities

Poletiek, Hagoort & Bocanegra "The enlanguagement of the body: the effect of language structure on perception" € 800.000

Grants and fundings acquired:

Netherlands Society for Brain and Cognition.	
Student Conference award for RM student Lukas Kunz 2022	€ 500
National Federation of Unions. FNV (2020)	
" <i>The Behavioural effects of a Basic Income</i> "	€ 100.000
Grass Roots, grant for teaching innovation 2018	€ 1.500
Travel Grant Leiden University Fund 2009	€ 2.000
2-yrs Post doc grant from the Niels Stensen Stichting. for Post Doc (2007)	€ 100.000
PhD project Open Competition NWO 2005	€ 230.000
PhD project from Leiden University Stimuleringsfonds 2002	€ 150.000
PhD project via Internal Competition Department of Psychology 2003	€ 150.000
Neth. Royal Academy of Arts & Sciences ( KNAW)-fellowship	€ 250.000
2000 NWO Publication supporting grant for monography	
'Hypothesis testing behavior (2001)' (see publications)	€ 10.000

**Prizes & Awards**

Prize for the best article of the year at  
*Maandblad for Geestelijke Volksgezondheid 1988*: 'De beoordeling van toerekeningsvatbaarheid' [ Assessing legal responsibility of mentally ill]  
 Schloessmann Award (€ 1500), from the Max Planck Institute for Adaptive Behavior and Cognition, Berlin, November, 1998, for "*outstanding research paper*" on "The assessment of health damages and compensation in cases of legal liability"

**PhD projects supervision:**

Esther vd Bos: *Implicit learning*, Graduation June 2007  
 Jun Lai: *Learning a complex grammar: a theoretical and experimental study*, Graduation February 2013

**Teaching and Master Thesis Supervision:**Courses currently taught, designed, and coordinated:

- *Cognitive Psychology*: Undergraduate course; lectures for Dutch (500) students and International students (120) students, in Dutch and English.
- *Consciousness*: Undergraduate course (550 + International 120 students); workgroup lectures and general course organizer. Leader of the innovation project Blended Learning for this course. I developed an academic writing educational program, with students peer reviews (workgroups, writing education, students peer review).
- *Decision Making*: Graduate course for *Applied Cognitive Psychology* Master students. Lectures and exam. Taught and designed..

- *Cognitive Neuroscience of Language*: Research master course: partly taught and designed by me, exam and organization.
- Institute's coordinator of the Bachelor Thesis Psychology program
- Director of *Honours Research Bachelor Projects program*, (*program of excellence*) and of second years' *Honours Lectures* program.

#### Supervision of (Master) Thesis research

- Bachelor thesis Projects
- Research Master thesis supervisions.
- Applied Cognitive Psychology Master Thesis Research
- Research Projects for the Minor Brain and Cognition
- Honours Bachelor Project Thesis.
- Supervision of external internships e.g., at KLM, the National Police Agency.

#### Educational impact of Research

- My research is part of several text books, among which:
- Groome (2015), *Cognitive Psychology*, New York: Routledge
  - Eysenk & Keane (2005) *Cognitive Psychology*, Hove: Psychology Press.
  - My research (Poletiek, 1996) is part of Special Course Materials ("*Simulated Key Experiment*") published by Psychology Press, associated with the E&K text book.
  - Newell et al, 2015. Advisor and reviewer for the second edition (2015). *Straight Choices. Decision Making*.

Fenna H. Poletiek  
Publications

**Monograph**

Poletiek, F. H. (2001). *Hypothesis-Testing Behaviour*. Series: Essays in Cognitive Psychology, Hove, UK: Psychology Press.

**Papers –International**

Wolters, G., & Poletiek, F.H. (2022). Het verhoren van kinderen in strafzaken: Een kritische beschouwing van Otgaar et al. (2019). [ Interviewing children in penal cases. A critical analysis of Otgaar et al., 2019] *Expertise en Recht.*, 6, (in press)

Bocanegra, B. R., Poletiek, F. H., & Zwaan, R. A. (2022). Language concatenates perceptual features into representations during comprehension. *Journal of Memory and Language*, 127, 104355.

Poletiek, F.H., & Olfers, K.J.F. (Under review) *Implicit Learning of an Artistic Style. Style Recognition after Mere Exposure to the Work of a 17<sup>th</sup> Century Dutch Artist.*

Poletiek, F.H., Hagoort, P., & Bocanegra, B.R., (Under Review). *Memory for Serial Recall as an Explanation for the Distribution of Recursive Structures in Natural Languages.*

Poletiek, F.H., Kunz, L., Aernoudts, A., Kozma, C., Konuksay, Z., Hagoort, P. & Bocanegra, B. (Under review). *The Effect of Combinatorial and Non-Combinatorial Language on Feature Separation and Integration, in Visual Object Recognition and Memory.*

Poletiek, F. H., Monaghan, P., van de Velde, M., & Bocanegra, B. (2021). The Semantics-Syntax Interface: Learning Grammatical Categories and Hierarchical Syntactic Structure through Semantics. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 47 (7) 1141-1155

<https://doi.org/10.1037/xlm0001044>



- Wilson, B., Haslam, L., Poletiek, F., & Petkov, C. (2020). Artificial Language Learning. Combining Syntax with Semantics. In S. Denison., M. Mack, Y. Xu, & B.C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (p. 2838). Cognitive Science Society.
- Van den Bos, E. & Poletiek, F. (2019). Correction to Effects of grammar complexity on artificial grammar learning. *Memory & Cognition*. 47 (8), 1619–1620. [Issue 8](#)
- Bocanegra, B.R., Poletiek, F.H., Ftitache, B., & Clark, A. (2019). Intelligent Problem Solvers Externalize Cognitive Operations. *Nature Human Behaviour* (3), 136–142.
- Warren, C. M., Tona, K. D., Ouwerkerk, L., Van Paridon, J., Poletiek, F., van Steenbergen, H., Bosch, J.A., & Nieuwenhuis, S. (2019). The neuromodulatory and hormonal effects of transcutaneous vagus nerve stimulation as evidenced by salivary alpha amylase, salivary cortisol, pupil diameter, and the P3 event-related potential. *Brain stimulation*. <https://doi.org/10.1016/j.brs.2018.12.224>
- Kleijn, de R., Wijnen, M., & Poletiek, F.H. (2019). The effect of context-dependent information and sentence constructions on perceived humanness of an agent in a Turing test. *Knowledge Based Systems*, 163, 794-799.  
doi:10.1016/j.knosys.2018.10.006.
- Shao, Z., Van Paridon, J., Poletiek, F., & Meyer, A. S. (2019). Effects of phrase and word frequencies in noun phrase production. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 45(1), 147-165.  
<http://dx.doi.org/10.1037/xlm0000570>
- Aernoudts. A., Poletiek, F.H., & Fernandes, M. (under review). Lexical organization in English-French bilinguals: Evidence from a levels-of-processing paradigm.
- Poletiek, F.H., Conway, C.M., Ellefson, M., Lai, J., Bocanegra, B.R., & Christiansen, M.H. (2018). Under What Conditions Can Recursion be Learned? Effects of Starting Small in Artificial Grammar Learning of Recursive Structure. *Cognitive Science*, 1-35, doi:10.1111/cogs.12685.
- Poletiek, F.H., & van de Velde, M. (in preparation) Talking the truth helps learning grammar. An AGL study on the effect of language input matching versus mismatching world knowledge of the learner, on learning hierarchical grammars.

- Poletiek, F.H., & Olfers, K.J.F. (2017). Authentication by the crowd. How lay students identify the style of a 17th century artist. *CODART e-Zine (8) Journal of the international network of curators of Dutch and Flemish art*.  
<http://ezine.codart.nl/17/issue/57/artikel/codart-negentien-congress-19-21-june-madrid/?id=349#!/page/3>
- Poletiek, F.H., Fitz, H. & Bocanegra, B.R. (2016). What baboons can (not) tell us about center-embedded structures in human language. *Cognition, 151*, 108-122.  
<http://dx.doi.org/10.1016/j.cognition.2015.04.016>
- Van Bommel, T., O'Dwyer, C., Zuidgeest, T.W.M., & Poletiek, F.H. (2015). When the Reaper Becomes a Salesman. The influence of Terror Management on product preferences. *Journal of Economic and Financial Studies, 3(5)*, 33-42.
- Van den Bos, E.J., & Poletiek, F.H. (2015). Learning simple and complex artificial grammars in the presence of a semantic reference field: Effects on performance and awareness. *Frontiers in Psychology, 6* (158).
- Lai, J., & Poletiek, F.H., (2013). How “small” is “starting small” for learning hierarchical centre-embedded structures? *Journal of Cognitive Psychology, 25(4)*, 423-435  
<http://dx.doi.org/10.1080/20445911.2013.779247>  
 DOI:10.1080/20445911.2013.779247
- Poletiek, F.H., & Lai, J. (2012). How semantic biases in simple adjacencies affect learning a complex structure with non-adjacencies in AGL: a statistical account. *Philosophical Transactions of the Royal Society B, 367*, 2046–2054.  
 doi:10.1098/rstb.2012.0100
- Warmelink, L., Vrij, A., Mann, S., Leal, S., & Poletiek, F.H. (2013). The Effects of Unexpected Questions on Detecting Familiar and Unfamiliar Lies. *Psychiatry, Psychology and Law, 20(1)*, 29-35. doi: 10.1080/13218719.2011.619058
- Poletiek, F. H. (2011). What in the world makes recursion so easy to learn? A statistical account of the staged input effect on learning a centre embedded hierarchical structure in AGL. *Biolinguistics, 5, 1-2*, 36-42.
- Poletiek, F.H. (2011). You cannot have your hypothesis and test it. The importance of utilities in theories on reasoning. *The Behavioral and Brain Sciences, 34(2)*, 87-88.

- Lai, J. & Poletiek, F. H. (2011). The Impact of Adjacent-Dependencies and Staged-Input on the Learnability of Center-Embedded Hierarchical Structures. *Cognition*, 118(2), 265-273
- Lai, J. & Poletiek, F. H. (2010). The impact of starting small on the learnability of recursion. *Proceedings of the 28th Annual Conference of the Cognitive Science Society*, pp.1387-1392.
- Van den Bos, E. J., & Poletiek, F.H. (2010). Structural Selection in Implicit Learning of Artificial Grammars. *Psychological Research*, 74, 138-151.
- Poletiek, F.H., & Van Schijndel, T.J.P. (2009) Stimulus Set Size and Grammar Coverage in Artificial Grammar Learning. *Psychonomic Bulletin and Review* 16(6), 1058-1064.
- Poletiek, F.H. (2009). Popper's Severity of Test as an Intuitive Probabilistic Model of Hypothesis Testing. *The Behavioral and Brain Sciences*, 32, 99-100.
- Poletiek, F. H., & Wolters, G. (2009). What is learned about fragments in Artificial Grammar Learning. A transitional probabilities approach. *Quarterly Journal of Experimental Psychology*, 62(5), 868-876 .
- Van den Bos, E. J., & Poletiek, F.H. (2008). Effects of grammar complexity on Artificial Grammar Learning. *Memory & Cognition*, 36(6), 1122-1131.
- Van den Bos E.J., & Poletiek, F.H.. (2008). Intentional artificial grammar learning: When does it work? *European Journal of Cognitive Psychology*, 20, 793-806.
- Van den Bos E.J., & Poletiek, F.H.. (2006). Implicit Artificial Grammar Learning in Adults and Children. *Proceedings of the 28th Annual Conference of the Cognitive Science Society*, p.2619.
- Poletiek, F. H., & Chater, N. (2006). Grammar induction benefits from representative sampling. *Proceedings of the 28th Annual Conference of the Cognitive Science Society*, pp.1968-1973.
- Poletiek, F.H. (2006). Natural sampling of stimuli in (artificial) grammar learning. In P.Juslin, & K.Fiedler (Eds). *Information sampling and adaptive cognition* (pp. 440-455). Cambridge: Cambridge University Press.

- Poletiek, F.H., & Chater, N. (2006). Grammar induction benefits from representative stimulus sampling. In: *Proceedings of the 28<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp.1968-1973).
- Van den Bos, E., & Poletiek, F.H. (2006). Implicit artificial grammar learning in adults and children. In: *Proceedings of the 28<sup>th</sup> Annual Conference of the Cognitive Science Society* (p.2619)
- Poletiek, F. H. (2002) Learning recursion in an artificial grammar. *Acta Psychologica*, *111*, 323-335.
- Poletiek, F. H. (2004). The proof of the pudding is in the eating: Translating Popper's philosophy into a model for testing behaviour. In K.I. Manktelow & M. C. Chung (eds.) *Psychology of Reasoning: Historical and Philosophical Approaches*. Hove: Psychology Press. (pp 333 -347)
- Poletiek, F. H. & Stolker, C. J. J. (2004). Who decides the worth of an arm or leg? Assessing the monetary value of nonmonetary damage. In E. Kurz-Milcke & G. Gigerenzer (Eds.), *Experts in science and society* (pp. 201-213). New York: Kluwer Academic/Plenum.
- Poletiek, F.H. (2002).: 'Rationality in a real World'. On: 'Gigerenzer, Adaptive thinking' *Acta Psychologica*, *111* ( 3) , 351.
- Poletiek, F.H. (2002). How psychiatrists and judges assess the dangerousness of mentally ill. An 'expertise bias'. *Behavioural Sciences and the Law*, *20*, 19-29.
- Poletiek, F. H. & Berndsen, M. (2000). Hypothesis testing as risk behaviour with regard to beliefs. *Journal of Behavioural Decision Making*, *13*,\_107-123.
- Poletiek, F. H. (1996). Paradoxes of falsification. *Quarterly Journal of Experimental Psychology*, *49A*, 447-462.
- Poletiek, F. H. (1995) Testing in a rule discovery task. Strategies of test choice and test result interpretation In: Caverni, J.P., Bar-Hillel , M. Barron, H., & Jungermann, H. *Contemporary Issues in Decision Making*\_(pp. 335-349)

**Invited lectures** – financially supported by host

- Poletiek, F. H. (2022). *The singularity of human cognition: where to look for the evidence?* Discussant for the Lecture by Stanislas DeHaene, at the Nijmegen Lectures 2022. July 5-7, 2022. Host: prof dr Peter Hagoort.
- Poletiek, F. H. (2019). *Combinatoriality of language and perception*. Presentation at the Institute of Neurosciences, Newcastle University, UK. 20 October 2019. Host prof dr Chris Petkov and dr Ben Wilson.
- Poletiek, F.H. (2019). *The Basics of Complex Language Learning*. Presentation at the Institute of Neurosciences, Newcastle University, UK. 14 June 2019. Host prof dr Chris Petkov.
- Poletiek, F.H. (2019). *Why complex recursive grammars are so easy to learn*. Presentation at the Workshop for Combinatorial complex language learning. February 6, 2019, MPI for Cognitive and Brain Sciences. Host prof dr dr Angela Friederici.
- Poletiek, F.H. (2018). *Complex language learning in lab experiments*. Seminar at SCALAB (Université de Lille) April, 19, 2018. Host: prof dr Y. Coello
- Poletiek, F.H. (2017). *Learning the complex structures of language*. Seminar lecture at the Department of Experimental Psychology. .Oxford University. Oxford. November 27, 2017. Host: prof dr K. Nation.
- Poletiek, F.H. (2017) Where is the hierarchy in language? Presentation at the Lorentz workshop *The comparative biology of language learning*. April 4, 2017
- Poletiek, F. H. (2017). Language Processing and Acquisition in the Lab. *Seminar at the ACLS. University of Amsterdam*, 21 April 2017.
- Poletiek, F. H. (2016). Simulating Language acquisition in the lab. *Presentation at the Language Learning Lab. Stanford, prof dr Michael Frank*, November 2016.
- Poletiek, F. H. (2016). *Assessing the authenticity of art. A cognitive psychological approach*. Annual meeting of the association of conservators of 17<sup>th</sup> century Netherlandish and Flemish paintings. Madrid, June 2016.
- Poletiek, F.H. (2015). *Mapping AGL in the lab on natural language* . *Key note lecture* at the University of Tuebingen. Workshop on Language acquisition. Tuebingen, December 10<sup>th</sup>, 2015
- Poletiek, F.H. (2015). *Statistical language learning*. Lorentz Workshop September 14-17, Leiden

- Poletiek, F.H. (2014). *Facilitation effects of Starting Small and Semantic Biases on Learning a complex Grammar. A Multi Method Approach*. Invited lecture at the Leiden University Center of Linguistics (LUCL). Leiden, April, 25<sup>th</sup>, 2014.
- Poletiek, F.H. (2013). *Statistical modeling Starting Small and Starting Short in AGL*. Invited lecture at the University of Tuebingen. Tuebingen, July 25<sup>th</sup>-27<sup>th</sup> 2013
- Poletiek, F.H. (2014). *Learning complex center embedded structures with long distance dependencies, the easy way*. Invited lecture at the Laboratoire de Psychologie Cognitive; CNRS, Université de Provence. Marseille, April, 12<sup>th</sup>, 2012.
- Poletiek, F.H. (2012). *Learning Non adjacent dependencies by learning Adjacencies in artificial and natural language*. Invited lecture for the Kick off Meeting of the Project: Segments and Rules. A comparative study into the computational mechanisms underlying language acquisition. December 20<sup>th</sup> 2012. Overveen, NL
- Poletiek, F.H. (2012). *Processing Center embedded and linear recursion in artificial and natural language*. Invited lecture at the University of Wisconsin, Madison. November 19<sup>th</sup> 2012
- Poletiek, F.H. (2012). *Mapping Artificial Grammar Learning in the Lab on Childrens Natural Language Acquisition*. Invited lecture at the CNRS Laboratoire de Psychologie Cognitive, Université de Provence. April, 12<sup>th</sup>. Host: dr Arnaud Rey
- Poletiek, F.H. (2012). Invited presentation at the Lorentz Workshop *on Language Development in Childhood and Adolescence*. 9-13 January, 2012. Mapping Artificial Grammar Learning in the Lab, on Natural Language Acquisition.
- Poletiek, F.H. (2010). Learning a hierarchical structure with semantics in an artificial language. Invited lecture at the Workshop on Artificial Grammar Learning and Formal Language Theory, supported by the ERC Advanced Grant of prof dr T. Fitch, November 22-24 2010, Max Planck Institute for Psycholinguistics, Nijmegen. NL
- Poletiek, F. H. (2004). Starting small in grammar induction: when it matters and when it does not. Seminar at the Centre of applied Cognition, Warwick, Host: prof dr N. Chater.
- Poletiek, F.H. (2004). Cognitive Grammar Induction: Statistical learning without the intention to do so. Seminar at the *laboratoire de psychologie Cognitive, CNRS*, Dijon. Host: prof dr P. Perruchet
- Poletiek, F. H. (2002). Learning a grammar by exemplars: It not only matters how many you see, but also how often you see the same ones again. Invited lecture at the department of Cognitive Psychology, University of Umea, Sweden, 14 november,

2002. Host: prof dr P. Juslin
- Poletiek, F. H. (2002). Falsification principle in hypothesis testing research; What is the difference with confirmation? Invited lecture at the faculties of Philosophy and Psychology of the University of Umea, Sweden, 15 november, 2002.
- Poletiek, F. H. (2002). Processing exemplar information in an Artificial Grammar Learning task. Invited lecture at the Small Group Meeting on Information Sampling as Adaptive Cognition. University of Heidelberg, 2- 5 may 2002.
- Poletiek, F. H. (2002). Falsificatie en Confirmatie in Hypothesetoetsing. Wetenschapsdag, Universiteit Leiden.
- Poletiek, F. H. (2000). Strategieën van hypothesetoetsing Heymans-lezing, Sectie Psychologie, RUG, 24 februari, 2000.
- Poletiek, F. H. (1999) Rationeel redeneren over mensen. Invited Lecture for GITP, september 1999.
- Poletiek, F.H. (1998). How much Smart Money? The assessment of emotional damages in cases of legal liability. Invited lecture for the Schloessmann Seminar at the Max Planck Institute for the Advancement of Science, Berlin, Germany, November 26-28, 1998.

### **Selected presentations**

- Poletiek, F. H. (2022). En-languagement of Perception. Paper presented at the Netherlands Society for Brain and Cognition. April, 28, 2022, Egmond aan Zee.
- Aernoudts, A., Kozma, C., De Luca, A., Bocanegra, B., & Poletiek, F.H. (2019). Can Grammar Influence Perception? The effect of combinatorial and non-combinatorial labels on perception in a visual search task. Poster presented at the Psychonomic Society, Montreal 16-18 November 2019)
- Poletiek, F.H., & van de Velde, M. (2016). True frequency distributions help learning a center embedded structure. Paper presented at the fifth Implicit Learning Seminar, Lancaster UK, June 23-25.
- Poletiek, F. H. (2015). Semantic, not positional distances between words affect processing difficulty for complex sentences with relative clauses. Paper presented at the annual meeting of the Nederlandse Vereniging voor Psychonomie. Egmond, NL, December, 19<sup>th</sup>, 2015.

- Poletiek, F.H., & van de Velde, M. (2015). Hearing true speech helps learning a center embedded grammar. Paper presented at PsyLing, Valencia, Spain, July 1-4.
- Bocanegra, B. R., Poletiek, F. H., & Zwaan, R. A. (2014). Assymmetrical feature binding across language and perception. Paper presented at the Embodied and Situated Language Processing (ESLP) Conference, Rotterdam (19-21 August), The Netherlands.
- Poletiek, F.H., & Monaghan, P. (2014 August). Recursive grammar is learned by using it, not by exposure to it. Poster presented at the 36<sup>th</sup> Annual Conference of the Cognitive Science Society. Québec City, Canada
- Poletiek, F.H. (2011). A statistical account of the starting small effect on learning a complex hierarchical grammar in AGL. Paper presented at the 17th meeting of the European Society for Cognitive Psychology. San Sebastian, 29 September-2 October, 2011
- Lai, J. & Poletiek, F.H. (2010). The effect of staged input on learning a centre embedded grammar. Paper presented at the 28th Annual Conference of the Cognitive Science Society. Portland (OR). 11-14 August, 2010
- Poletiek, F.H. & Monaghan, P. (2010) Recursion learning with semantics as a cue. Paper presented at the 32<sup>nd</sup> meeting of the Deutsche Gesellschaft für Sprachwissenschaft, Berlin, February 24<sup>th</sup>-26<sup>th</sup>, 2010
- Poletiek, F.H. & Monaghan, P. (2009) Learning a hierarchical embedded structure with semantics, in AGL. Paper presented at the 50<sup>th</sup> meeting of the Psychonomic Society, Boston, USA, November 19-22, 2009
- Poletiek, F.H. & Monaghan, P. (2009) Recursion learning with semantics, in AGL. Paper presented at the 16<sup>th</sup> meeting of the European Society of Cognitive Psychology, Krakov, Poland, September, 2-5, 2009
- Poletiek, F.H. & Chater, N. (2009) The influence of frequency distribution of the input and test task requirements, in artificial grammar learning (AGL). Poster presented at the annual meeting of the Cognitive Science Society, Amsterdam, Netherlands, July 29-August-1, 2009.
- Lai, J. & Poletiek, F.H. (2009) Starting Small in learning a recursive artificial grammar. Poster presented at the 16<sup>th</sup> meeting of the European Society of Cognitive Psychology, Krakov, Poland, September, 2-5.



- Poletiek, F.H., Caljouw, C., & Van Dam, W. (2007). Effects of item Prototypicality on Recognition and Classification in two Stimulus Domains. Paper presented at the symposium on 'Implicit Learning' at the XVth meeting of the European Society of Cognitive Psychology. Marseille, France, August, 29<sup>th</sup> – September, 1<sup>st</sup>, 2007
- Poletiek, F.H. & Chater, N. (2007). Recognition and categorization after exposure to equally and unequally distributed training stimuli in Artificial Grammar Learning. Poster presented at the 48<sup>th</sup> annual meeting of the Psychonomic Society, Long Beach, USA November 15-18, 2007
- Poletiek, F. H., & Chater, N. (2006). Grammar induction benefits from representative sampling. Poster presented at the 28<sup>th</sup> Annual Conference of the Cognitive Science Society, Vancouver, July 2006.
- Van den Bos, E. & Poletiek, F.H. (2005). Implicit learning of artificial grammars: under which conditions? Poster presented at the 46<sup>th</sup> Annual meeting of the Psychonomic Society. Toronto, November, 2005.
- Poletiek, F.H. (2005). Artificial Grammar Learning: When Starting Small matters and when it does not. Paper presented at the 14<sup>th</sup> meeting of the European Society of Cognitive Psychology. Leiden, August, 2005
- Poletiek, F. H. (2003). The Influence of Stimulus Set Size on Performance in Artificial Grammar Learning. Paper to be presented at the meeting of the Psychonomic Society, Vancouver, 6-9 november, 2003
- Poletiek, F.H., (2000). Hypothesis testing and its biases. Paper presented at the International Conference on Thinking. Durham, august 24-26, 2000.
- Poletiek, F.H. (1999). Strategieën van hypothesetoetsing. Wat hebben we aan falsificaties? Paper presented at the Netherlands Society for Psychonomics. Egmond aan Zee, 17-18 december, 1999
- Poletiek, F.H. (1997). The assessment of dangerousness of mentally ill patients. Paper presented at the 16th bi-annual conference on Subjective Probability Utility and Decision Making, Leeds U.K., August 18-21, 1997
- Poletiek, F. H. (1996). Implicit learning of an artificial grammar with a recursive rule. Paper at the annual meeting of the British Psychological Society, 11-17 april, 1996

- Poletiek, F. H. (1995). Implicit learning of an artificial grammar: Rules or patterns? Paper presented at the EPOS workshop 'Conscious and Unconscious processes', Amsterdam, May, 29-31, 1995.
- Poletiek, F. H. (1995). Hypothesis testing as risk taking with regard to beliefs. Paper presented at the 15th SPUDM conference (Subjective Probability, Utility and Decision Making), August, 1995, Jerusalem.
- Poletiek, F.H. (1994). Implicit learning of a context free artificial grammar. Paper presented at the Workshop on Cognitive models of Language Acquisition, Tilburg, April 21-23.
- Poletiek, F. H. (1994). Implicit learning of a grammar with a recursive rule. Paper presented at the 7th Conference of the European Society for Cognitive Psychology, Lisbon 10-14 september 1994
- Poletiek, F. H. (1993). Testing in a rule discovery task. Strategies of test choice and test result interpretation. Paper presented at the 14th SPUDM conference, August, 1993, Aix-en-Provence.
- Poletiek, F. H. (1992). The influence of a falsification instruction on obtaining falsifications and performance in the rule discovery task. Paper presented at the Fifth Conference of the European Society of Cognitive Psychology, Paris, France. September 15-19.
- Poletiek, F.H. (1990). The influence of commitment to a theory on testing strategy. Paper presented at the Fourth Conference of the European Society of Cognitive Psychology, Como, Italy. September 15-19.
- Poletiek, F.H. (1990). Can psychology tell how to be a good falsificationist? Paper presented at the Annual Meeting of the Philosophy of Science Association and the Society for Social Studies of Science, Minneapolis, Minnesota. October 18-21.
- Poletiek, F.H., & Berndsen, M. (1990). De invloed van commitment aan een theorie op de toetsingsstrategie. Voordracht voor het Nationaal Psychologisch Congres, Amsterdam. October, 19-20.
- Poletiek, F.H. (1989). Hypothesis testing behavior in a task that simulates scientific thinking. Paper presented at the first European Congress of Psychology, Amsterdam. July 2-7.

## Papers –National- in Dutch

- Poletiek, F.H. (2022 Aangeboden). *Is er iets mis met de verhoormethode van kinderen door de Nederlandse politie?* Nederlands Juristenblad.
- Poletiek, F.H. (2008). Bespreking van Crombag, H. en den Hartog, Kindermishandeling. Het probleem van escalerende beschuldigingen. Boom. Maandblad voor Geestelijke Volksgezondheid, 02, 163-166.
- Wolters, G., & Poletiek, F.H. (2008). Beslissen over aangiftes van seksueel misbruik bij kinderen. De psycholoog, 43(1), 26-30.
- Poletiek, F.H. (2006). De dwingende macht van een Goed Verhaal. Bespreking van Wagenaar, W.A. Vincent plast op de grond : nachtmerries in het Nederlands recht. Bert Bakker. De Psycholoog, 41(9) 460-462.
- Poletiek, F.H. & Van den Bos, E. (2005). Het onbewuste is een dader met een motief. Doelgerichtheid en efficiëntie van onbewust leren. De Psycholoog, 40(1), 11-17.
- Poletiek, F.H., & Rassin, E. (2005). (On)bewust. De psycholoog, 40(1), 3.
- Poletiek, F.H. (2004). De paradox van Popper, AMC-magazine, 1, 20-23.
- Poletiek, F.H. (2000). De beoordelaar dobbelt niet - denkt hij. Nederlands tijdschrift voor de Psychologie, 55, 246-250.
- Stolker, C.J.J.M. & Poletiek, F.H. (1998). Smartengeld, een juridische en psychologische evaluatie. In: 'Bewijs en Letselschade'. Lelystad: Koninklijke Vermande BV.
- Poletiek, F. H. (1997). De wet BOPZ getoetst aan de cijfers. Maandblad voor de geestelijke volksgezondheid, 4, 349-361.
- Poletiek, F. H. (1992). Te liberaal en te dogmatisch: A. D. de Groot' s methodologie. Psychologie en Maatschappij, 60, 333-335.
- Dehue, G. C. G., & Poletiek, F. H. (1992). De roerige geschiedenis van de wetenschapspsychologie, Psychologie en Maatschappij, 61, 347-353.
- Poletiek, F.H., & Van Busschbach, J. (1990). Is de mens in cijfers te vatten? Psychologie en Maatschappij, 53, 327-329.

Poletiek, F.H. (1988). Het weerleggen van theorieën. In: H. Berghs & W. Thys (Red.), Congresbundel Filosofiedag Antwerpen 1988, Delft: Eburon, pp.219-223.

Poletiek, F.H. (1988). De beoordeling van toerekeningsvatbaarheid. Maandblad voor Geestelijke Volksgezondheid, 5, 542-555.

Poletiek, F.H. (1988). De beoordeling van toerekeningsvatbaarheid (3). Antwoord op Schnitzler en Wegers. Maandblad voor Geestelijke Volksgezondheid, 9, 1000-1004.

Poletiek, F.H. (1988). De geest als statisticus. Kennis en Methode, 3, 256-267.

### **Outreach. Communicating Science**

Selected articles in newspapers and Magazines, Blogs. And Public Lectures

English > [Leiden Psychology Blog. By Poletiek](#)

Poletiek, F.H. (2018). “Succesvolle mannelijke hoogleraren gezocht”! *Opinie. Mare* (42) 8.

UK Poletiek, F.H. (2017). In documentary film: “Why we Cycle”. Documentary about Bike Riding in the Netherlands. *Docs for Sale, IDFA 2017*.

Poletiek, F.H. (2017). Macron, laat de elite los. NRC – Opinie.

Poletiek, F.H. (2016). Geluk zit op de fiets. NRC – Wetenschap.

Poletiek, F.H. (2015). Herinneringen aan je toekomst. Het geheugen: van theorie tot praktische tips. Presentatie voor Pre-Union, de studentenvereniging van Pre-University, Leiden University. 13 februari.

<http://www.fsw.leidenuniv.nl/nieuws-2014/fsw-in-stelling-prevoo-poletiek.html>

Poletiek, F. H. (2013). Stapel en het Systeem. De Gids, 4, 18-19.

Poletiek, F. H. (2013). Denkfouten en cognitieve illusies. Presentatie voor het Science Café Nijmegen, 4 februari.

Poletiek, F.H. (2010). Paradoxen van alledaagse beslissingen en oordelen. Studium Generale, Universiteit Leiden. *‘Ja/Nee; beslissen in een wereld van onzekerheid*. 20 september 2010.

Poletiek, F.H. (2004). De onbetwiste en onuitvoerbare opdracht van de wetenschapper: falsifiëren. In: Knepper, S. & Kortenaar, J. de Vreugdeloze Wetenschap, Meppel:

Boom

- Poletiek, F. H. (2002) De homunculus: Sir Darwin of Sir Fischer? bespreking van Gigerenzer, Adaptive thinking. *De Psycholoog*, 37 (5), 259-260.
- Ginneken, van P. & Poletiek, F.H. (1996). Wet BOPZ. Drie criteria voor onvrijwillige opnemning in de psychiatrie. Rijswijk: Ministerie van Volksgezondheid, Welzijn en Sport.
- Poletiek, F. H. (1997) De geest van de jury. Bespreking van R. Hastie (red.), Inside the juror, the psychology of juror decision making. *Psychologie en Maatschappij*, 81, 376-377.
- Poletiek, F. H. (1995) De computer als breinbreker, *Hypothese*, 4, 9-11.
- Poletiek, F.H. (1989). Het experiment van zijn objectiviteit ontdaan. *Vrij Nederland/Boekenbijlage*, 9.
- Poletiek, F.H. (1989). De onderzoeker nieuwe stijl als onthechte idealist. *Psychologie en Maatschappij*, 46, 102-104.
- Poletiek, F. H. (1994) 11 columns in 'De Psycholoog'.
- Poletiek, F. H. (1996) Isolement splendide, *Psychologie*, 2, 54.