

# Franziska Christiane Hartung

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## Education

- 2012 – 2016 Max Planck Institute (MPI) for Psycholinguistics, Donders Institute for Brain, Cognition, and Behaviour, and IMPRS Graduate School for Language Sciences, Nijmegen  
PhD (2017), Cognitive Neuroscience, Radboud University (RU)  
Thesis: *Getting under your skin: The role of perspective and simulation of experience in narrative comprehension*  
Supervised by Dr. Roel M. Willems, and Professor Peter Hagoort
- 2006 – 2011 Magister Artium (M.A., 5-year program equivalent to a Master's degree) in German Linguistics (Major), General Linguistics and Psychology at Ludwigs-Maximilians University (LMU) of Munich

## Employment

- 2016 – current Postdoctoral researcher  
Chatlab at the Center for Cognitive Neuroscience  
Neurology Department, School of Medicine  
University of Pennsylvania
- 2015 Lecturer (3 months, part-time)  
Faculty of Humanities, Utrecht University  
Teaching the interdisciplinary undergraduate course 'The narrating brain' for the minor 'Brains & bodies' (Prof. Jos van Berkum, Dr. Frank Hakemulder)
- 2012 Research Assistant (9 months)  
Department of Cognitive Psychology, VU University Amsterdam (Dr. A. Belopolsky)  
Data collection for behavioral, EEG, and eye tracking experiments, management of behavioral labs.
- 2009 – 2010 Teaching Assistant (1 year)  
Institute for Theoretical Linguistics, LMU Munich (Prof. D. Zaefferer)  
Preparation of teaching materials for a full semester lecture about the co-evolution of language and culture, and teaching a full semester tutorial about empirical methods for language research
- 2009 – 2010 Research Assistant (1 year)  
Emmy-Noether-Group for Memory Consolidation (Dr. S. Gais), LMU Munich  
Data collection for behavioral and EEG experiments, preprocessing and analysis of sleep EEG data

## Publications

### Journal Articles

- Hartung, F.** (2017). Getting under your skin: The role of perspective and simulation of experience in narrative comprehension. PhD Thesis, Radboud University Nijmegen, Nijmegen.  
<http://repository.ubn.ru.nl/dspace31xmlui/bitstream/handle/2066/167550/167550.pdf?sequence=1>
- Hartung, F., Hagoort, P., & Willems, R. M.** (2017). Readers select a comprehension mode independent of pronoun: Evidence from fMRI during narrative comprehension. *Brain and Language*, 170, 29–38. <http://doi.org/10.1016/j.bandl.2017.03.007>
- Hartung, F., Burke, M., Hagoort, P., Willems, R.M.** (2016). Taking Perspective: Personal Pronouns Affect Experiential Aspects of Literary Reading. *PLoS ONE* 11(5): e0154732. doi: 10.1371/journal.pone.0154732.
- Hoven, E. Van Den, **Hartung, F., Burke, M., & Willems, R. M.** (2016). Individual Differences in Sensitivity to Style During Literary Reading : Insights from Eye-tracking, 2(1), 1–16.
- Hartung, F., Hagoort, P., Willems, R.M.** (under review). When fiction is just as real as fact: No differences in reading behaviour between stories believed to be based on true or fictional events.

### Preprints

- Hartung, F., Withers, P., Hagoort, P., & Willems, R. M.** (2017, June 30). When fiction is just as real as fact: No differences in reading behavior between stories believed to be based on true or fictional events. Retrieved from [osf.io/preprints/psyarxiv/b6d3e](https://osf.io/preprints/psyarxiv/b6d3e)
- Willems, R. M., & **Hartung, F.** (2017, June 20). Engaging regularly with fiction influences connectivity in cortical areas for language and mentalizing. Retrieved from [osf.io/preprints/psyarxiv/e7bqj](https://osf.io/preprints/psyarxiv/e7bqj)

### Invited Talks

- 2015 Experimental methods in discourse processing. Workshop at MaLT symposium University of Bamberg.
- 2015 Your mind in story worlds. MPI for Psycholinguistics, Nijmegen.
- 2015 Aspects of Narratives: What stories can teach us about language comprehension. Colloquium at Radboud University, Grammar and Cognition Group, Nijmegen.
- 2014 Perspective taking in story comprehension. Platform Narratives Meeting, Utrecht University.
- 2014 Perspective taking and mental simulation in narrative comprehension. MPI for Empirical Aesthetics, Language and Literature Department. Frankfurt am Main.
- 2014 Getting under your skin: narrative perspective in story comprehension. Symposium in honor of Professor Winfried Menninghaus, founding director of the new Max Planck Institute of Empirical Aesthetics, Frankfurt (D). MPI for Psycholinguistics, Nijmegen.

### Conference Talks

- Hartung, F., Hagoort, P., & Willems, R. M.** (2015). *Simulation versus mental imagery: commonalities and differences*. Embodied and Situated Language Processing Conference, 29-30th July 2015, Lyon.
- Hartung, F., Burke, M., Hagoort, P., & Willems, R. M.** (2014). *The embodied reader: The effect of narrative perspective on literature understanding and appreciation*. 14th Conference of the International Society for the Empirical Study of Literature and Media, 21-25th July, Turin.
- Hartung, F., Burke, M., Hagoort, P., & Willems, R. M.** (2014). *Getting under your Skin: The role of perspective in narrative comprehension*. Cognitive Futures in the Humanities, 2nd International Conference, 24-26th April 2014, Durham.

### Conference Posters

- Hartung, F., Hagoort, P., & Willems, R. M.** (2017). Readers select a comprehension mode independent of pronoun: Evidence from fMRI during narrative comprehension. Annual Meeting of the Cognitive Neuroscience Society, 25-28th March 2017, San Francisco.
- Hartung, F., Hagoort, P., & Willems, R. M.** (2015). *Simulation and mental imagery of complex events: differences and commonalities*. Annual Meeting of the Society for the Neurobiology of Language, 15-17th October 2015, Chicago.

**Hartung, F.**, Burke, M., Hagoort, P., & Willems, R. M. (2014). *Narrative perspective influences immersion in fiction reading: Evidence from skin conductance response*. Annual Meeting of the Society for the Neurobiology of Language, 27-28th August 2014, Amsterdam.

**Hartung, F.**, Burke, M., Hagoort, P., & Willems, R. M. (2014). *Personal pronouns influence arousal during story comprehension. Embodiment and the reading experience*. Embodied and Situated Language Processing Conference 19-21st August 2014, Rotterdam.

**Hartung, F.**, Klenovsak, D., Santiago dos Santos, L., Strobl, C., Zaefferer, D. (2009). *Are Tims hot and Toms not? Probing the effect of sound symbolism on perception of facial attractiveness*. 31st Annual Conference of the Cognitive Science Society, 29th July-1st August 2009, Amsterdam.

### **Awards**

Postdoctoral fellow award of the Cognitive Neuroscience Society (2017)

### **Skills**

Designing experiments for human cognitive psychology with both conventional and naturalistic stimuli  
 Software for stimulus presentation (OpenSesame, Presentation, PsyScope)  
 Data collection, preprocessing, and analysis (fMRI, behavioral, electrodermal activity, questionnaire)  
 Data analysis with Matlab, R, SPM, SPSS, JASP

### **Supervision**

2013 - 2014 Emiel van den Hoven (Research Master 'Language and Communication', School of Humanities, Tilburg University); Thesis: 'Effects of Foregrounding on Reading Behavior: An Eye-tracking Study'  
 2016-current Alexander Coburn (PhD student at Cambridge University, visiting student at University of Pennsylvania)  
 2017-current Miriam Esther Rosen (Medical student University of Pittsburgh Medical School)

### **Ad hoc reviewer for**

Language, Cognition, and Neuroscience  
 Scientific Study of Literature  
 Poetics

### **Additional Qualifications**

GCP (Good Clinical Practice) license, obtained in NL (2014)  
 BHV license holder (includes first aid, fire safety, reanimation with AED, and evacuation training)  
 Advanced technical qualification for Siemens Tim Trio 3T and Siemens Prisma 3T MRI scanners

### **Professional Memberships**

Society for the Neurobiology of Language  
 International Society for the Empirical Study of Literature (IGEL)  
 Cognitive Neuroscience Society

### **Languages**

German (native),  
 English (near native),  
 Dutch (fluent)