

Franziska Christiane Hartung

Newcastle University
School of Psychology
University of Pennsylvania

✉ franziska.hartung@newcastle.ac.uk
 🐦 [@FranHartung](https://twitter.com/FranHartung)
 🌐 storiesandthebrain.com
 🌸 osf.io/hg9jj
 🆔 ORCID: 0000-0001-5660-2324

Education

- 2012 – 2016 PhD (awarded 2017) in Cognitive Neuroscience, Radboud University, Max Plank Institute (MPI) for Psycholinguistics, IMPRS Graduate School for Language Sciences, Nijmegen
 Supervised by Dr. Roel M. Willems, and Prof. Peter Hagoort
- 2006 – 2011 Magister Artium in German Linguistics (Major), General Linguistics and Psychology at Ludwigs-Maximilians University (LMU) Munich

Employment

- 2021-current Lecturer in Cognitive Science at the School of Psychology, Newcastle University, UK
- 2016 – 2020 Postdoctoral researcher at the Penn Center for Neuroaesthetics & Penn Brain Science Center, Neurology Department, University of Pennsylvania
- 2015 Guest lecturer at the Faculty of Humanities, Utrecht University
- 2012 – 2016 PhD student researcher at the Neurobiology of Language Department at the MPI for Psycholinguistics and Donders Institute for Brain, Cognition, and Behaviour
- 2012 Research Assistant at the Department of Cognitive Psychology, VU University Amsterdam
- 2009 – 2010 Teaching Assistant at the Institute for Theoretical Linguistics, LMU Munich
- 2009 – 2010 Research Assistant at the Emmy-Noether-Group for Memory Consolidation, LMU Munich

Journal Articles

- Workman, C.I., Humphries, S.A., **Hartung, F.**, Aguirre, G.K., Kable, J.W. and Chatterjee, A. (2021), Morality is in the eye of the beholder: the neurocognitive basis of the “anomalous-is-bad” stereotype. *Ann. N.Y. Acad. Sci.*. <https://doi.org/10.1111/nyas.14575>
- Hartung, F.** & Kenett, Y.N., Cardillo, E.R., Humphries, S. A., Klooster, N., Chatterjee, A. (2020). Context matters: Novel metaphors in supportive and non-supportive contexts. *NeuroImage* (2020-116645). <https://doi.org/10.1016/j.neuroimage.2020.116645>.
- Coburn, A., Vartanian, O., Kenett, Y. N., Nadal, M., **Hartung, F.**, Hayn-Leichsenring, G., Navarrete, G., Mora, J. L. G., Chatterjee, A. (2020). Psychological and Neural Responses to Architectural Interiors. *Cortex*. DOI: 10.1016/j.cortex.2020.01.0
- Hartung, F.**, Jamrozik, A., Aguirre, G., Rosen, M. E., Sarwer, D. B., Chatterjee, A. (2019). Behavioural and Neural Responses to Facial Disfigurement. *Scientific Reports* 9: 8021 (2019). <https://www.nature.com/articles/s41598-019-44408-8>
- Hartung, F.**, Withers P., Hagoort P. and Willems R. M. (2017). When Fiction Is Just as Real as Fact: No Differences in Reading Behavior between Stories Believed to be Based on True or Fictional Events. *Frontiers in Psychology*, 8:1618, doi: 10.3389/fpsyg.2017.01618
- 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>
- van den Hoven, E., **Hartung, F.**, Burke, M., & Willems, R. M. (2016). Individual Differences in Sensitivity to Style During Literary Reading: Insights from Eye-Tracking. *Collabra*, 2(1), 25. doi: <http://doi.org/10.1525/collabra.39>
- 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.

Book Chapters

Hartung, F. (in prep.). Narrative. Routledge International Handbook of Neuroaesthetics; M. Nadal & M. Skov (eds.)

Hartung, F. (in press). The Mark of Villainy: the connection between appearance and perceived morality. Neuroaesthetics in Focus; A. Chatterjee & E. Cardillo (editors). Oxford University Press.

Invited Talks

2021 tbd. Behavioural Sciences and Psychology seminar, Newcastle University, Newcastle upon Tyne.

2018 The role of perspective and individual differences for narrative comprehension. Brain, Language, and Computation Lab, Pennsylvania State University, State College.

2015 Experimental methods in discourse processing. Workshop at the Methods and Linguistic Theories (MaLT) Symposium, University of Bamberg, 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 comprehension. Platform Narratives Meeting, Utrecht University, Utrecht.

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 Winfried Menninghaus, founding director of the MPI for Empirical Aesthetics. MPI for Psycholinguistics, Nijmegen.

Conference Talks

Hartung, F. (2019). *Experiencing Stories: Perspective in the mind and in the brain*. Behavioral Insights from Text Conference, Jan 2019, Philadelphia.

Hartung, F., Hagoort, P., & Willems, R. M. (2015). *Simulation versus mental imagery: commonalities and differences*. Embodied and Situated Language Processing Conference, 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*. Meeting of the International Society for the Empirical Study of Literature, July 2014, 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, April 2014, Durham.

Conference Posters

Hartung, F., Coderre, E., Humphries, S.A., Chatterjee, A. (2020). *First person perspective facilitates event understanding in patients with lesions in right temporo-parietal junction*. Context & Episodic Memory Symposium 2020, August 2020.

Hartung, F., Coderre, E., Humphries, S.A., Chatterjee, A. (2020). *First person perspective facilitates comprehension in patients with lesions in right temporo-parietal junction*. Annual Meeting of the Cognitive Neuroscience Society, March 2020.

Hartung, F., Cardillo, E.R., Humphries, S.A., Klooster, N., Chatterjee, A. (2019). *Brain activations to metaphor comprehension with and without meaningful context*. Annual Meeting of the Cognitive Neuroscience Society, March 2019, San Francisco.

Hartung, F., Jamrozik, A., Aguerre, G., Rosen, M.E., Sarwer, D.B., Chatterjee, A. (2018). *Increased response to facial attractiveness in visual areas reflects saliency, not reward*. Annual Meeting of the Cognitive Neuroscience Society, March 2018, Boston.

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, 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, 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, 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 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.* Annual Conference of the Cognitive Science Society, August 2009, Amsterdam.

Awards

Postdoctoral fellow award of the Cognitive Neuroscience Society (2017)

HaSS Pioneer Award (2021) for The Narrator Project

Supervision

2021 Emer Cunningham and Robyn Metcalfe (Clinical Research Master dissertation project, Newcastle University)

Sabrinah Abdulrahman (Clinical Research Master research internship, Newcastle University)

Megan Campbell (Bsc hon in Psychology, dissertation project)

2019 Yuchao Wang (Bachelor of Arts in *Cognitive Science*, Haverford College)

2018 Erick Guzman (PhD student at Duquesne University, Clinical Psychology)

2016 - 2018 Alexander Coburn (PhD student at Cambridge University, visiting student at University of Pennsylvania)

2017 Miriam Esther Rosen (Intern from University of Pittsburgh Medical School)

2013 - 2014 Emiel van den Hoven (Research Master in *Language and Communication*, Tilburg University)

Teaching

- 2021 History of Psychology focus seminar group, Newcastle University
Enrichment seminar: How to structure the discussion of a research report
- 2015 Undergraduate course 'The narrating brain' on the function of stories for culture, mind, brain, emotion; Utrecht University.
- 2015 Invited 1-day bootcamp workshop 'Experimental methods in discourse processing' on neuroimaging techniques, and behavioral experiments to investigate cognitive processes underlying natural language; Methods and Linguistic Theories (MaLT) Symposium, University of Bamberg.
- 2009 – 2010 'Verification of linguistic hypotheses', practical course on empirical methods and statistics in which each student conducted an experimental or linguistic corpus study
Assistance of Lecture 'Coevolution of culture and language' (D. Zaefferer), LMU Munich

Skills

Designing behavioral and neuroimaging experiments for human cognitive psychology.
Designing experiments with naturalistic and continuous stimuli.

Advanced technical and practical knowledge for research MRI, including scanning protocols, parameter selection, experimental equipment, and data collection.

Software for stimulus presentation (OpenSesame, Presentation, E-Prime, Qualtrics, Redcap, Tobii Onscreen).

Data collection, preprocessing, and analysis of functional and structural MRI, behavioral and questionnaire data, online experiments, electrodermal activity, Tobii Onscreen, Tobii Glasses.

Statistical analysis with Matlab, RStudio, SPM, SPSS, JASP. Proficient in frequentist statistics including linear mixed effect models, currently learning Bayesian statistics.

Additional Qualifications

GCP (Good Clinical Practice) license, obtained in NL (2014)

BHV license holder (first aid, fire safety, reanimation, and evacuation training)

Advanced technical qualification for Siemens Tim Trio 3T and Siemens Prisma 3T MRI scanners

Ad hoc reviewer for

Cerebral Cortex; Psychological Science; Scientific Reports; Brain and Language; Language, Cognition, and Neuroscience; Journal of Neurolinguistics; Poetics; Scientific Study of Literature.

Professional Memberships

Society for the Neurobiology of Language

Cognitive Neuroscience Society

Languages

German, English, Dutch