




Franziska Christiane Hartung, PhD

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Education

- 2012 – '16 PhD (awarded 2017) in Social Sciences, Radboud University, Max Plank Institute (MPI) for Psycholinguistics, and IMPRS Graduate School for Language Sciences, Nijmegen; Supervised by Dr. Roel M. Willems, and Prof. Peter Hagoort
- 2006 – '11 Magister Artium in German Linguistics (Major), General/Comparative Linguistics and Psychology at Ludwigs-Maximilians University (LMU) Munich

Employment

- 2020- Lecturer (Teaching & Research) in Cognitive Psychology at Newcastle University, UK
- 2016 – '20 Postdoctoral researcher at the Penn Center for Neuroaesthetics & Penn Brain Science Center, Department of Neurology, University of Pennsylvania
- 2015 Guest lecturer at the Faculty of Humanities, Utrecht University
- 2012 – '16 PhD student researcher at the Neurobiology of Language Department at the MPI for Psycholinguistics and Donders Institute for Brain, Cognition, and Behaviour

Journal Articles

- Bellana, B. & **Hartung, F.** (2024, in press). Editorial to Advances in Neuroaesthetics: Narratives and art as windows into the mind and brain. *Journal of Comparative Literature & Aesthetics*.
- Hartung, F.** (2023). Do we need to reconceptualize emotions? *Cognitive Neuroscience*, DOI: [10.1080/17588928.2023.2171377](https://doi.org/10.1080/17588928.2023.2171377)
- Morey, R. D., Kaschak, M. P., Díez-Álamo, A. M., Glenberg, A. M., Zwaan, R. A., Lakens, D., [...], **Hartung, F.**, et al. (2022). A pre-registered, multi-lab non-replication of the Action-sentence Compatibility Effect (ACE). *Psychonomic Bulletin & Review*.
- Hartung, F.** & Wang, Y., Mak, M., Willems, R. M., & Chatterjee, A. (2021). Aesthetic appraisals of literary style and emotional intensity in narrative engagement are neurally dissociable. *Communications: Biology*, 4: 1401 (2021); doi: 10.1038/s42003-021-02926-0. <https://www.nature.com/articles/s42003-021-02926-0>
- Klooster, N., Humphries, S., Cardillo, E., **Hartung, F.**, Xie, L., Das, S., Yushkevich, P., Pilania, A., Wang, J., Wolk, D. and Chatterjee, A., (2021). Sensitive measures of cognition in Mild Cognitive Impairment. *Journal of Alzheimer's Disease*.

- 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. *Annals of the New York Academy of Sciences*. <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 and Chapters

- Crüwell, S. & **Hartung, F.** (2026, in prep). *A Hitchhiker's Guide to Open Science: A Handbook for Beginners and Intermediate*. Sage publications, London.
- Hartung, F.** (2022). Narrative. In *Routledge International Handbook of Neuroaesthetics*; M. Nadal & M. Skov (eds.)
- Hartung, F.** (2021). The Mark of Villainy: the connection between appearance and perceived morality. In *Neuroaesthetics in Focus*; A. Chatterjee & E. Cardillo (editors). Oxford University Press.

Invited Talks and Workshops (selection)

- 2024 Reading for Public Health. MPI for Psycholinguistics, Nijmegen.
- 2023 The Face of a Villain. Goldsmith University, London.
- 2022 Stories as a Window into the Mind and the Brain. Keynote lecture at the 18th IGEL Conference, Orlando.

- 2022 Open Science Framework, Project Management & Repositories. Workshop at 2022 IGEL Training School on Open Science, Orlando.
- 2022 The Mark of Villainy: The Connection Between Appearance and Perceived Morality. Interview for Faculti, <https://faculti.net/the-mark-of-villainy/>
- 2022 Stories as a Window into the Human Mind. Cross-faculty Online Seminar Series on Animal and Human Emotions, Newcastle upon Tyne.
- 2021 The Narrator Project. Behavioural Sciences and Psychology Research Theme Talk, 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.

Conference Talks (selection)

- Hartung, F.** (2024). Reading as a Public Health Intervention. Narrative, Newcastle upon Tyne.
- Hartung, F.** (2023). Healing stories: A novel-ty approach to public health? IGEL Conference, Monopoli.
- Hartung, F.,** Ferrier, H. M., Widd, E. J. (2022). The villainization of people with facial anomalies facilitates discriminatory treatment. Talk part of symposium 'At Face Value. The Social Consequences of Facial Aesthetics' (also symposium co-organizer). Biennial Congress of the International Association of Empirical Aesthetics, Philadelphia.
- Hartung, F.,** Cole, E. E., Cunningham, E. A. (2022). "Doctor, Doctor, You're Too Fat!": Weight Bias Towards Overweight Doctors. Biennial Congress of the International Association of Empirical Aesthetics, Philadelphia.
- Hartung, F.** (2019). Experiencing Stories: Perspective in the mind and in the brain. Behavioral Insights from Text Conference, Philadelphia.
- Hartung, F.,** Hagoort, P., & Willems, R. M. (2015). Simulation versus mental imagery: commonalities and differences. Embodied and Situated Language Processing Conference, 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, 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, Durham.

Conference Posters (selection)

Hartung, F. & Cross A. (2022). Do skinny product endorsers sell more? Biennial Congress of the International Association of Empirical Aesthetics, Philadelphia.

Hartung, F. & Lomax, E. J. (2022). Loosing faces: facial mutilation as punishment for moral transgressions. Biennial Congress of the International Association of Empirical Aesthetics, Philadelphia.

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, Philadelphia.

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, online conference.

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, 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, 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, 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, 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, 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 Rotterdam.

Awards

Welcome Trust ISSF Award for 'The Narrator Project' (2022)
 Welcome Trust ISSF Award for 'Bibliotherapy: Improving wellbeing with stories' (2022)
 HaSS Pioneer Award for 'The Narrator Project' (2021)
 HaSS Pioneer Award for 'Bias against Obese Healthcare Professionals' with Emer Cunningham (2021)
 Postdoctoral Fellow Award of the Cognitive Neuroscience Society (2017)

Supervision

2022/23 Bsc hon in Psychology, Newcastle University: I. Bowes, K. Gallagher, A. Dunkley, M. Gibbs, E. Miller, S. Moody.
 MSci in Foundations in Clinical Psychology, Newcastle University: W. Brockman, R. Kalaivanan, S. Rai.
 Mres in Neuroscience: K. Petroulas, L. England
 2012/22 Bsc hon in Psychology, Newcastle University: E. Widd (award for best clinical dissertation), H. M. Ferrier (award for best forensic dissertation), E. Cole, A. Cross, A. Rudd.
 MSci in Foundations in Clinical Psychology, Newcastle University: R. Grewal, H. Mansoor, C. Tomkys, E. Fernandez, T. South
 2021 MSci in Foundations in Clinical Psychology, Newcastle University: E. Cunningham, R. Metcalfe; S. Abdulrahman
 Bsc hon in Psychology: M. Campbell
 2019 BA in *Cognitive Science*, Haverford College: Y. Wang
 2018 - PhD at Duquesne University, Clinical Psychology: E. Guzman
 2016 – '18 PhD at Cambridge University, visiting student at University of Pennsylvania: A. Coburn
 2017 M. E. Rosen (Intern from University of Pittsburgh Medical School)
 2013 - '14 MRes Language and Communication, Tilburg University: E. van den Hoven

Teaching (selection)

2021 -Cognitive Psychology (UG Psychology, Stage 1, 320 students; module leader), Newcastle University
 Research Apprenticeship (MSci Foundations in Clinical Psychology, 60-40 students, module leader)
 2021 - 2022 Coevolution of culture and language (UG Psychology, Stage 2, 110 students as part of Comparative Psychology and Evolution Module), Newcastle University
 2015 Undergraduate course 'The narrating brain'; Utrecht University.

Qualifications & Skills

Higher Education Associate Fellow (D2) since 2023 (PR266031)

MRI Tech Level 1 Training Qualification, acquired at Donders Institute Nijmegen and at University of Pennsylvania (license to collect research MRI data as a technician)

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

Stimulus presentation: OpenSesame, Presentation, E-Prime, Qualtrics, Redcap, Tobii Onscreen.

Statistical analysis (including Linear mixed effect models, Bayesian statistics): Matlab, RStudio, SPM, SPSS, JASP.

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Professional service

Editor (with Buddhika Bellana) for special issue 'Advances in Neuroaesthetics: Narratives and Art as Windows into the Mind and Brain' (2024). Journal of Comparative Literature and Aesthetics.

Ethics Committee Board, Faculty of Medical Sciences, Newcastle University (2021-).

Scientific Advisory Board International Society for Empirical Study of Literature (2022-).

Support to Study Tutor, Newcastle University (2022-2023).

Consulting for legal cases involving facial injury (references upon request)

Professional Memberships

Cognitive Neuroscience Society

IGEL Society for Empirical Study of Literature (Scientific Advisory Board)

International Association for Empirical Aesthetics

Narrative Society

Languages (fluent+)

German, English, Dutch