

# DR FLORIAN HINTZ

## Curriculum Vitae

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<https://www.uni-marburg.de/en/fb09/dsa/institution/people/scientists/hintz>

<https://www.uni-marburg.de/en/fb09/dsa/research-building/junior-research-group>

Philipps University · Deutscher Sprachatlas · Pilgrimstein 16 · 35032 Marburg (DE)

### RESEARCH INTERESTS .....

Individual differences in language skills

Language processing in noisy environments

Predictive language processing

(Foreign) Language learning & processing

### EDUCATION .....

- in prep.      Habilitation, Venia Legendi in General and German Linguistics, at Philipps University Marburg (GER)  
Thesis title: *Individual differences in comprehending and producing words and sentences*
- 2015      PhD in Cognitive Psychology (Psycholinguistics), Radboud University (NL)  
Thesis title: *Predicting language in different contexts: The nature and mechanisms underlying anticipatory language processing*
- 2012      M.A., Linguistics (specialization in Psycholinguistics), University of Leipzig (GER)  
Thesis title: *Language-mediated eye movements and cognitive control*
- 2011-2012      Exchange student, Centre of Language and Speech Technology and Donders Institute for Brain, Cognition and Behavior, Radboud University (NL)
- 2010      B.A., Linguistics (specialization in Psycholinguistics), University of Leipzig (GER)  
Thesis title: *Speech and speaker recognition in dyslexic individuals*

### ACADEMIC POSITIONS .....

- 2024–      Member of Center for Mind, Brain and Behavior (CMBB), Philipps University Marburg & Justus Liebig University Giessen (GER)
- 2023–      Methods and statistics consultant for Research Training Group 2700 ‘[Dynamics and stability of linguistic representations](#)’, Philipps-Universität Marburg (GER)
- 2023–      Junior research group leader, ‘Deutscher Sprachatlas’, Philipps-Universität Marburg (GER)
- 2023–      Research associate, Psychology of Language Department, Max Planck Institute for Psycholinguistics (NL)

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2022-2023	Senior investigator, Psychology of Language Department, Max Planck Institute for Psycholinguistics (NL)
2022-2024	Member of DFG-funded Research Network for the Interdisciplinary Study of Predictive Processing in Memory and Perception (PPiMP)
2021–	Member of <a href="#">GenLang</a> consortium
2019-2023	Scientific board member, <a href="#">Healthy Brain Study</a> , Radboud University (NL)
2017-2022	Scientific staff and coordinator of <a href="#">Big Question 4</a> project, funded by <a href="#">Language in Interaction Consortium</a> , Psychology of Language Department, Max Planck Institute for Psycholinguistics (NL)
2015-2016	Post-doctoral researcher, Centre for Language Studies, Radboud University (NL)
2012-2014	PhD student, Psychology of Language Department, Max Planck Institute for Psycholinguistics (NL)
2009-2011	Intern and student assistant, Max Planck Institute for Human Cognitive and Brain Sciences (GER)
2009-2010	Student assistant, University of Leipzig (GER)

## FUNDING · .....

submitted	Research project grant “The role of individual differences in different levels of language comprehension in healthy aging: an EEG study” submitted to Research Grant Council Hong Kong (General Research Fund, ~116k€), with Mohammad Momenian & Wing Sze Wong.
2024	Research project grant “The role of individual differences in language production in older adults” awarded by The Hong Kong Polytechnic University (Departmental Research Funds, ~47k€), with Mohammad Momenian.
2024	Travel Grant supporting research collaboration with Ariel James (Macalester College, St. Paul, MN, USA) awarded by Young Faculty Program (Uni Marburg, 1500€).
2024	Travel Grant supporting research collaboration with Mohammad Momenian (Hong Kong Polytechnic University) awarded by Young Faculty Program (Uni Marburg, 1500€).
2023-2025	Funding for Junior research group “Variability in Language Use” awarded by Young Faculty program (Uni Marburg, PI & PhD position + 36k€ material budget).
2021	Pre-seed grant for the proposal ‘The language of well-being’ (Co-PI with Roel Willems, Enny Das, Junilla Larsen, Peter Hagoort), awarded by Healthy Brain Study (Nijmegen, 25.000€).
2015	Travel grant to attend CUNY conference in Los Angeles, California (US), awarded by Radboud University (Nijmegen, 700€).

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| 2014 | Travel grant to attend CUNY conference in Columbus, Ohio (US), awarded by Radboud University (Nijmegen, 750€). |
| 2011 | ERASMUS exchange student grant awarded by University of Leipzig (Leipzig, 2500€).                              |
| 2010 | ERASMUS research internship grant awarded by the University of Leipzig (Leipzig, 750€)                         |

## MEMBERSHIPS .....

Cognitive Science Society (CSS)  
European Society for Cognitive Psychology (ESCoP)  
Psychonomic Society

## COLLABORATIONS .....

### **Philipps University**

Yifei He  
Alfred Lameli  
Mathias Scharinger (& GRK 2700)

### **Max Planck Institute for Psycholinguistics**

Falk Huettig  
Antje Meyer

### **(Inter-)National**

Marc Brysbaert (Gent University)  
Judith Holler (Radboud University)  
Ferdie Hubers (Radboud University)  
Themis Karaminis (Edge Hill University)  
Yung Han Khoe (Radboud University)  
Ágnes Lukács (Budapest University of Technology and Economics)  
James McQueen (Radboud University)  
Mohammad Momenian (Hong Kong Polytechnic University)  
Antje Strauss (University of Konstanz)  
Mesian Tilmatine (Free University Berlin)  
Cesko Voeten (University of Amsterdam)

2023–	Johanna Funk (PhD student)
2022-2023	Janay Monen (research assistant)
2021–	Sandra Bethke (PhD student, with Antje Meyer)
2021-2023	Milou Huijsmans (research assistant)
2019-2020	Xin Liu (post-doctoral researcher)
2019-2021	Merel Wolf, M.Sc. (PhD student, with Antje Meyer & Caroline Rowland)
2019-2021	Bob Kapteijns, M.A. (research assistant)
2017-2021	Olha Shkaravska, M.A. (programmer)
2017-2020	Vera van ‘t Hoff, M.A. (research assistant)
2017-2021	Marjolijn Dijkhuis, M.A. (research assistant)

2023-2024	Leah Nieber (Philipps University Marburg)
2022	Jasmin Wend (University of Leipzig)
2021	Adam Psomakas (Radboud University)
2020-2021	Tongyu Wu (Radboud University/University of Tilburg)
2019-2020	Sophie Conradi (Radboud University)
2019-2020	Mesian Tilmatine (Radboud University)
2018-2020	Yung Han Khoe (Radboud University/University of Tilburg)
2018-2020	Jiska Koemans (Radboud University/University of Tilburg)
2018	Arman Haeri (University of Pisa)
2017-2018	Celine Pronk (Utrecht University)
2016-2017	Marloes Graauwmans (Radboud University)

2024-2025	Lukas Lehmann (Philipps University Marburg)
2024-2025	Mareike Bähr (Philipps University Marburg)
2024-2025	Sarah Müller (Philipps University Marburg)
2023-2024	Nadja Daum (Philipps University Marburg)
2020-2021	Robert van Dongen (Radboud University)
2020-2022	Levi Voeteé (Radboud University)
2020	Lara Pantke (Philipps University Marburg)
2018	Laura Rosenbaum (University of Osnabruck)
2017	Maria van de Groep (Radboud University)
2017	Hay Driessen (Radboud University)

## CURRICULUM VITAE · FLORIAN HINTZ

2014      Benedikt Langenbach (TU Dresden)  
2013      Elisabeth Lehmann (University of Bonn)

### TEACHING .....

Winter 2024    ‘Experimentation in the language sciences’ (Hands-on seminar), Master’s level, Philipps University Marburg, with Johanna Funk.

Summer 2024   ‘Wortproduktion und Wortverstehen’ [Word production and word comprehension], Bachelor’s level, Philipps University Marburg.  
                    ‘Mehrsprachigkeit’ [Multilingualism], Master’s level, Philipps University Marburg.

Winter 2023    ‘Experimentation in the language sciences’ (Hands-on seminar), Master’s level, Philipps University Marburg.  
                    ‘Ein psycholinguistischer Blick auf Variabilität in der Sprache—Von Strukturen zu Personen’ [A psycholinguistic take on variability in language—From structures to individuals], Bachelor’s level, Philipps University Marburg.

2021            ‘Psychology of Language and Cultural Cognition’ course, Master Linguistics, Radboud University

2020            ‘Trends in Cognitive Neuroscience’ course, Research Master Cognitive Neuroscience, Radboud University

2020            ‘Psychology of Language and Cultural Cognition’ course, Master Linguistics, Radboud University

2019            ‘Speech Comprehension and Production’ course, Research Master Language and Communication, Radboud University/University of Tilburg

2019            ‘Trends in Cognitive Neuroscience’ course, Research Master Cognitive Neuroscience, Radboud University

2019            ‘Psychology of Language and Cultural Cognition’ course, Master Linguistics, Radboud University

2019            ‘Psycholinguistics’ course, Master Dutch Language, Radboud University

2018            ‘Trends in Cognitive Neuroscience’ course, Research Master Cognitive Neuroscience, Radboud University

2018            ‘Speech Comprehension and Production’ course, Research Master Language and Communication, Radboud University/University of Tilburg

2016            Instructor on one-day workshop on setting up and analyzing eye-tracking experiments for language research, Max Planck Institute for Psycholinguistics

2015            Instructor on two-day workshop on analyzing eye-tracking data using R, Max Planck Institute for Psycholinguistics

2014            Lecturer on ‘Psychology of Language’ course, University of Münster/Max Planck  
Institute for Psycholinguistics

EDITING .....

In prep.        Hintz, F. & Funk, J. (Eds.). (in prep.) [Origins of variability in acquiring and using  
linguistic knowledge](#) [Special issue]. *Brain Research*.

2024            **Hintz, F., & Meyer, A. S. (Eds.). (2024).** [Individual differences in language skills](#)  
[Special Issue]. *Journal of Cognition*, 7(1).

REVIEW SERVICE .....

**Theses**

PhD thesis evaluation committee Huan Wei (Philipps University Marburg)

Midway evaluation PhD thesis Ane Theimann (University of Oslo)

**Journals**

Acta Psychologica, Applied Linguistics, Behavior and Research Methods, Cerebral  
Cortex, Cognitive Science, Collabra: Psychology, Cortex, Glossa Psycholinguistics,  
Instructional Science, Journal of Cognition, Journal of Cultural Cognitive Science, Journal  
of Experimental Psychology: Learning, Memory, and Cognition, Journal of Memory and  
Language, Language and Cognition, Language, Cognition, & Neuroscience, Language  
and Speech, Languages (MDPI), Memory & Cognition, Psychonomic Bulletin & Review,  
Quarterly Journal of Experimental Psychology, Royal Society Open Science, Visual  
Cognition

**Funding agencies**

European Research Council (Synergy Grant Proposal)

National Science Foundation (USA)

**Conferences**

Architectures and Mechanisms for Language Processing (AMLaP)

The Attentive Listener in the Visual World (AttLis)

Cognitive Science

Embodied and Situated Language Processing conference (ESLP)

Interspeech conference

## ORGANIZATION OF WORKSHOPS, SYMPOSIA, MEETINGS ·····

- 2024 Workshop on low-tech alternatives to in-lab testing at MEDAL Summer School on Experimental Methods in Linguistics.
- 2023 ‘Data visualization: General topics and plotting using the ‘rainclouds’ package’, two workshops held at Research Center Deutscher Sprachatlas.
- 2022 ‘Individual differences in native and foreign language skills—New perspectives and methodologies’, symposium held at the 22<sup>nd</sup> conference of the European Society for Cognitive Science, Lille.
- 2017 ‘Testing Individual Differences in Language and other Cognitive Abilities’ (TIDLCab), Max Planck Institute, Nijmegen.
- 2016 ‘Psycholinguistic Approaches to Speech Processing in Adverse Conditions’ (PASRAC2), Radboud University, Nijmegen.
- 2015-2016 ‘Speech Processing in Adverse Conditions’ (SpRAC) meetings at Centre for Language studies, Radboud University, Nijmegen.
- 2012-2014 Lunch talk series at Max Planck Institute for Psycholinguistics.

## PUBLIC OUTREACH AND MEDIA ·····

- 07·2024 [Instagram post](#) showcasing the work of our research group at Research Center Deutscher Sprachatlas.
- 02·2023 Interview for project [‘Lost in Translation’](#) at Bremen University.
- 09·2022 [Collaboration with Dutch Ministry of Defense](#)
- 08·2022 Workshop on ‘Individual variation in language skills’ at Regiodag 2022 [Public outreach initiative for citizens interested in language research] at Max Planck Institute for Psycholinguistics.
- 06·2021 [Ach, Mensch!](#) German podcast by *detektor.fm* featuring researchers from Humanities and Social Sciences.
- 06·2021 ‚Hallo Nijmegen’ featuring our IndividuLa study.
- 04·2021 [Indebuurt.nl](#) (Nijmegen, Utrecht, Den Haag) featuring our IndividuLa study.
- 12·2020 [Press release](#) on our *Data Descriptor* article.
- 11·2019 Er spricht, sie schreibt, wir verstehen. Wie erforscht man Sprache? [He speaks, she writes, we understand. How to study language?]. Presentation for German primary school kids at Radboud University.
- 10·2019 Presenter at IMPRS-organized Career Day 2019: Discovering Possibilities in Academia & Beyond.

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- 10·2019 Interview with Dutch vlogger Petrus featuring our project on individual differences.
- 10·2018 Public outreach at [Max Planck Day in Munich](#), representing the Max Planck Institute for Psycholinguistics.
- 10·2017 Interview for 'KENNISLINK' on [Individual Differences in Language Processing](#), featuring our work in Big Question 4 (Language in Interaction consortium).
- 10·2016 Public outreach at Drongo Science Festival in Utrecht, presenting our work on bilingual word recognition in noise.
- 10·2015 Interview for VOX (student magazine at Radboud University) on prediction in language processing.
- 08·2012 Various German TV and radio features on our research on Developmental Dyslexia.
- 05·2011 Various German TV and radio features on our online test screening people with Developmental Phonagnosia.



## PUBLICATIONS ·····

**N = 45** (first author = 25, senior author\* = 11, collaborator = 9)

*H-index = 13, ~690 citations (Google Scholar)*

1. **Hintz, F.**, Strauß, A., Khoe, Y.H., & Holler, J. (Stage 1 Registered Report, in principle acceptance). Language prediction in multimodal contexts: The contribution of iconic gestures to anticipatory sentence comprehension. *Cortex*. <https://doi.org/10.17605/OSF.IO/679TM>.
2. Funk, J., Huettig, F., & **Hintz, F.\*** (Stage 1 Registered Report, in principle acceptance). The role of presentational timing in acquiring novel written and spoken word forms. *Journal of Experimental Psychology: General*. <https://doi.org/10.17605/OSF.IO/7AT9D>.
3. **Hintz, F.**, Cysouw, M., Domahs, U., Fischer, H., Funk, J., Ganswindt, B., Gerards, J., Gropp, M., Heinzmann, A., Kauschke, C., Krapp, M.L., Lameli, A., Leonidou, A., Nopens, S., Rinke, P., Schmid, J.E., Schütze, C., Spina, N., Thiele, D., & Scharinger, M. (in prep.). Rethinking linguistic representations: Typological and neurocognitive perspectives on stability and change.
4. **Hintz, F.** & Voeten, C.C. (in prep.). Domain-general skills but not linguistic experience predict sentence comprehension skills in noise.
5. **Hintz, F.**, James, A.N., Schultheiss, O.C. (in prep.). Relationships between intrinsic motives, domain-general skills and linguistic and .
6. **Hintz, F.**, Kievit, R.A., McQueen, J.M., & Meyer, A.S. (in prep.). The tug of war between linguistic experience and domain-general processing speed in producing and comprehending words and sentences. *Journal of Experimental Psychology: General*.
7. Bethke, S., Meyer, A.S., & **Hintz, F.\*** (in prep.). Psychometric Analyses of the German Individual Differences in Language Skills (IDLaS-DE) Test Battery. *Cognitive Science*.
8. Monen, J., Shkaravska, O., Withers, P., van den Heuvel, M., Weustiniak, J., Dirksmeyer, R., Meyer, A.S., & **Hintz, F.\*** (in prep.) Timing precision for online studies using the Individual Differences in Language Skills (IDLaS-NL) test battery. *Frontiers in Psychology*.
9. Bethke, S., Monen, J., Rinsma, T., Trilsbeek, P., Meyer, A.S., & **Hintz, F.\***. (submitted). IDLaS-DE – A Web-based Platform for Running Customized Studies on Individual Differences in German Language Skills. *Journal of Cognition*.
10. **Hintz, F.** & Momenian, M. (revised & resubmitted). Domain-general processing speed is involved structural assembly but not lexical retrieval during spoken language production. *Psychonomic Bulletin & Review*.
11. **Hintz, F.**, Huijsmans, M., & Huettig, F. (in revision). Literacy enhances spoken word recognition: Evidence for online recruitment of orthographic knowledge in a strongly interactive mind?. *Journal of Experimental Psychology: Learning, Memory, & Cognition*.
12. Bethke, S, Meyer, A.S, & Hintz, F. (2025). The German Auditory and Image (GAudI) vocabulary test: A new German receptive vocabulary test and its relationships to other tests measuring linguistic experience. *PLoS One* 20(4): e0318115.e.

13. **Hintz, F.**, Dijkhuis, M., Van 't Hoff, V., Huijsmans, M., Kievit, R. A., McQueen, J. M., & Meyer, A. S. (2025). Evaluating the factor structure of the Dutch Individual Differences in Language Skills (IDLaS-NL) test battery. *Brain Research*, 1852:149502.
14. McConnell, K., **Hintz, F.**, & Meyer, A.S. (2025). Individual differences in online research: Comparing lab-based and online administration of a psycholinguistic battery of linguistic and domain-general skills. *Behavior Research Methods*, 57, 22.
15. Funk, J., Hessler Carbonell, L. T, Al-Rubaye-Jung, D., Morgenstern, M., Schmied, E., Tzallas, J., & **Hintz, F.\*** (2024). Cross-modal priming of written words across different timing conditions. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 46. Retrieved from <https://escholarship.org/uc/item/5n875387>.
16. **Hintz, F.**, Voeten, C.C., Dobó, D., Lukics, K.S. & Lukács, A. (2024). The role of general cognitive skills in integrating visual and linguistic information during sentence comprehension: individual differences across the lifespan. *Scientific Reports* 14, 17797.
17. **Hintz, F.**, McQueen, J. M., & Meyer, A. S. (2024). Using Psychometric Network Analysis to Examine the Components of Spoken Word Recognition. *Journal of Cognition*, 7(1): 10, 1–22.
18. **Hintz, F.**, Shkaravska, O., Dijkhuis, M., Van 't Hoff, V., Huijsmans, M., Van Dongen, R. C., Voeteé, L. A., Trilsbeek, P., McQueen, J. M., & Meyer, A. S. (2024). IDLaS-NL – A platform for running customized studies on individual differences in Dutch language skills via the internet. *Behavior Research Methods*, 56(3), 2422-2436.
19. Huettig, F., Voeten, C.C., Pascual, E., Liang, J., & **Hintz, F.** (2023). Do autistic children differ in language-mediated prediction?. *Cognition*, 239: 105571.
20. **Hintz, F.**, Khoe, Y.H., Strauß, A., Psomakas, A., & Holler, J. (2023). Electrophysiological evidence for the enhancement of gesture-speech integration by linguistic predictability during multimodal discourse comprehension. *Cognitive, Affective and Behavioral Neuroscience*, 23, 340-353.
21. **Hintz, F.**, Voeten, C., & Scharenborg, O. (2023). Recognizing non-native spoken words in background noise increases interference from the native language. *Psychonomic Bulletin & Review*, 30, 1549–1563.
22. Liu, Y., **Hintz, F.**, Liang, J., & Huettig, F. (2022). Prediction in challenging situations: Most bilinguals can predict upcoming semantically-related words in their L1 source language when interpreting. *Bilingualism: Language and Cognition*, 25(5), 801-815.
23. Strauß, A., Wu, T., McQueen, J. M., Scharenborg, O., & **Hintz, F.\*** (2022). The differential roles of lexical and sublexical processing during spoken-word recognition in clear and in noise. *Cortex*, 151, 70-88.
24. Karaminis, T., **Hintz, F.**, Scharenborg, O. (2022). The Presence of Background Noise Extends the Competitor Space in Native and Non-Native Spoken-Word Recognition: Insights from Computational Modeling. *Cognitive Science*, 46(2): e13110.
25. **Hintz, F.**, Voeten, C. C., McQueen, J. M., & Meyer, A. S. (2022). Quantifying the relationships between linguistic experience, general cognitive skills and linguistic processing skills. In J.

- Culbertson, A. Perfors, H. Rabagliati, & V. Ramenzoni (Eds.), *Proceedings of the 44th Annual Conference of the Cognitive Science Society (CogSci 2022)* (pp. 2491-2496). Toronto, Canada: Cognitive Science Society.
26. Healthy Brain Study Consortium, Aarts, E., Akkerman, A., Altgassen, M., Bartels, R., Beckers, D., Bevelander, K., Bijleveld, E., Blaney Davidson, E., Boleij, A., Bralten, J., Cillessen, T., Claassen, J., Cools, R., Cornelissen, I., Dresler, M., Eijsvogels, T., Faber, M., Fernández, G., Figner, B., Fritsche, M., Füllbrunn, S., Gayet, S., Van Gelder, M. M. H. J., Van Gerven, M., Geurts, S., Greven, C. U., Groefsema, M., Haak, K., Hagoort, P., Hartman, Y., Van der Heijden, B., Hermans, E., Heuvelmans, V., **Hintz, F.**, Den Hollander, J., Hulsman, A. M., Idesis, S., Jaeger, M., Janse, E., Janzing, J., Kessels, R. P. C., Karremans, J. C., De Kleijn, W., Klein, M., Klumpers, F., Kohn, N., Korzilius, H., Krahmer, B., De Lange, F., Van Leeuwen, J., Liu, H., Luijten, M., Manders, P., Manevska, K., Marques, J. P., Matthews, J., McQueen, J. M., Medendorp, P., Melis, R., Meyer, A. S., Oosterman, J., Overbeek, L., Peelen, M., Popma, J., Postma, G., Roelofs, K., Van Rossenberg, Y. G. T., Schaap, G., Scheepers, P., Selen, L., Starren, M., Swinkels, D. W., Tendolkar, I., Thijssen, D., Timmerman, H., Tutunji, R., Tuladhar, A., Veling, H., Verhagen, M., Verkroost, J., Vink, J., Vriezekolk, V., Vrijssen, J., Vyrastekova, J., Van der Wal, S., Willems, R. M., & Willemsen, A. (2021). Protocol of the Healthy Brain Study: An accessible resource for understanding the human brain and how it dynamically and individually operates in its bio-social context. *PLoS One*, 16(12): e0260952.
  27. Tilmatine, M., Hubers, F., & **Hintz, F.\*** (2021). Exploring Individual Differences in Recognizing Idiomatic Expressions in Context. *Journal of Cognition*, 4(1): 37, pp. 1–12.
  28. Kapteijns, B., & **Hintz, F.\*** (2021). Comparing predictors of sentence self-paced reading times: Syntactic complexity versus transitional probability metrics. *PLoS One*, 16(7): e0254546.
  29. Wolf, M. C., Meyer, A. S., Rowland, C. F., & **Hintz, F.\*** (2021). The Effects of Input Modality, Word Difficulty and Reading Experience on Word Recognition Accuracy. *Collabra: Psychology*, 7(1).
  30. **Hintz, F.**, Voeten, C. C., McQueen, J. M., & Scharenborg, O. (2021). The effects of onset and offset masking on the time course of non-native spoken-word recognition in noise. In T. Fitch, C. Lamm, H. Leder, & K. Teßmar-Raible (Eds.), *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci 2021)* (pp. 133-139). Vienna: Cognitive Science Society.
  31. Jongman, S.R., Khoe, Y.H., **Hintz, F.\*** (2021). Vocabulary size influences spontaneous speech in native language users: Validating the use of automatic speech recognition in individual differences research. *Language and Speech*, 64(1), 35-51.
  32. **Hintz, F.**, Dijkhuis, M., van ‘t Hoff, V., McQueen, J.M., & Meyer, A.S. (2020). A behavioural dataset for studying individual differences in language skills. *Scientific Data* 7, 429.
  33. **Hintz, F.**, Meyer, A. S., & Huettig, F. (2020). Visual context constrains language-mediated anticipatory eye movements. *Quarterly Journal of Experimental Psychology*, 73(3), 458-467.
  34. **Hintz, F.**, Meyer, A. S., & Huettig, F. (2020). Activating words beyond the unfolding sentence: Contributions of event simulation and word associations to discourse reading. *Neuropsychologia*, 141: 107409.
  35. Brysbaert, M., Sui, L., Dirix, N., & **Hintz, F.** (2020). Dutch Author Recognition Test. *Journal of Cognition*, 3(1): 6.

36. **Hintz, F.**, Jongman, S.R., Dijkhuis, M., van t' Hoff, McQueen, J.M., Meyer, A.S. (2020). Shared lexical access processes in speaking and listening? An individual differences study. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46(6), 1048-1063. *equal contributions by first and second author*
37. Mantegna, F., **Hintz, F.**, Ostarek, M., Alday, P. M., & Huettig, F. (2019). Distinguishing integration and prediction accounts of ERP N400 modulations in language processing through experimental design. *Neuropsychologia*, 134: 107199.
38. **Hintz, F.**, Meyer, A.S., & Huettig, F. (2017). Predictors of verb-mediated anticipatory eye movements in the visual world. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 43(9), 1352-1374.
39. **Hintz, F.** & Scharenborg, O. (2016). The effect of background noise on the activation of phonological and semantic information during spoken word recognition. In *Proceedings of Interspeech 2016: The 17th Annual Conference of the International Speech Communication Association* (pp. 2816-2820).
40. **Hintz, F.** & Scharenborg, O. (2016). Neighborhood density influences word recognition in native and non-native speech recognition in noise. In *Proceedings of the Speech Processing in Realistic Environments (SPIRE) workshop* (pp. 46-47).
41. **Hintz, F.**, Meyer, A.S., & Huettig, F. (2016). Encouraging prediction during production facilitates subsequent comprehension: Evidence from interleaved object naming in sentence context and sentence reading. *The Quarterly Journal of Experimental Psychology*, 69(6), 1056-1063.
42. **Hintz, F.** & Meyer, A.S. (2015). Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements. *PLoS One* 10(7): e0130766.
43. **Hintz, F.** & Huettig, F. (2015). The complexity of the visual environment modulates language-mediated eye gaze. In Mishra, R. K., Srinivasan, N., & Huettig, F. (Eds.), *Attention and Vision in Language Processing* (pp.39-56). New Delhi: Springer.
44. Roswadowitz, C., Mathias, S.R., **Hintz, F.**, Kreitewolf, J., Schelinkski, S., & von Kriegstein, K. (2014). Two cases of selective voice-recognition impairments. *Current Biology*, 24(19), 2348-2353.
45. Díaz, B., **Hintz, F.**, Kiebel, S.J., & von Kriegstein, K. (2012). Dysfunction of the medial geniculate body during speech perception in developmental dyslexia. *Proceedings of the National Academy of Sciences of the United States of America*, 109(34), 13841-13846.

## PRESENTATIONS . . . . .

### **Talks**

1. Hintz, F. (October, 2025). Studying the mechanisms underlying language processing through the lens of individual differences. Keynote lecture at the International Biennial Conference on the Science of Language and the Brain [SOLAB].
2. Hintz, F. & Momenian, M. (September, 2025). Domain-general processing speed and linguistic experience differentially affect lexical retrieval and structural assembly during language

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- production. Talk to be presented at the 21st Meeting of the European Society for Cognitive Psychology [ESCoP 2025], Sheffield, United Kingdom.
3. Bethke et al. (September, 2025). The Individual Differences in German Language Skills (IDLaS-DE) Test Battery. Talk to be presented at the 21st Meeting of the European Society for Cognitive Psychology [ESCoP 2025], Sheffield, United Kingdom.
  4. Funk, J. & Hintz, F. (September, 2025). The power of delay: Asynchronous presentation benefits spoken-written word form acquisition. Talk to be presented at the 21st Meeting of the European Society for Cognitive Psychology [ESCoP 2025], Sheffield, United Kingdom..
  5. Hintz, F., Huijsmans, M., & Huettig, F. (May, 2025). Literacy enhances spoken word recognition: Evidence for online recruitment of orthographic knowledge in a strongly interactive mind? Talk to be presented at the 30<sup>th</sup> LIPP Symposium, Munich, Germany.
  6. Funk, J. & Hintz, F. (May, 2025). Exploring the origins of variability in linguistic representations: The role of presentational timing in word form learning. Talk to be presented at the 30<sup>th</sup> LIPP Symposium, Munich, Germany.
  7. McConnell, K., Hintz, F., & Meyer, A.S. (May, 2025). Individual differences in online research: Comparing lab-based and online administration of a psycholinguistic battery of linguistic and domain-general skills. Talk to be presented at the 30<sup>th</sup> LIPP Symposium, Munich, Germany.
  8. Hintz, F. (May, 2025). The differential roles of lexical and sublexical processing during spoken-word recognition in clear and in noise: Behavioral and EEG evidence. Invited talk to be presented at Adverse listening conditions in language acquisition and language processing: A linguistic perspective workshop, Oldenburg, Germany.
  9. Hintz, F. (2025). Variability in linguistic experience and its effects on language processing. Talk presented at the Annual Meeting of the Germany Society for Linguistics (DGfS), Mainz, Germany.
  10. Hintz, F. (2024). Individual Differences in Language Skills. Invited talk presented at the Psycholinguistics Colloquium at Goethe University, Frankfurt, Germany.
  11. Meyer, A.S., Hintz, F., McQueen, J.M. (2024). Developing and validating a new battery for language skills in young adults. Talk presented at the Highlights in Language Sciences Conference, Nijmegen, Netherlands.
  12. Bethke, S., Meyer, A.S., Hintz, F. (2024). Developing the Individual Differences in Language Skills (IDLaS-DE) Test Battery—A new tool for German. Talk presented at Psycholinguistics in Flanders conference. Brussels, Belgium.
  13. Hintz, F. (2024). Variabilität im Sprachgebrauch [Variability in language use]. Invited talk presented at Forum FB 09, Marburg, Germany.
  14. Hintz, F. (2023). A closer look at prediction in multimodal environments: Examining variability across language users and the effects of iconic gestures. Invited talk presented at the University of Constance Colloquium, Constance, Germany.

15. Meyer, A.S., Schulz, F.M., Hintz, F. (2023). Accounting for good enough conversational speech. Invited talk presented at IndiPRAG Workshop, Saarbrücken, Germany
16. Hintz, F. (2023). Individual differences in language skills. Invited talk presented at Linguistics Colloquium at Phillips University Marburg, Marburg, Germany.
17. Hintz, F. (2023). Individual differences in language skills. Invited talk presented at Friedrich Alexander University Erlangen-Nuremberg, Erlangen, Germany.
18. Hintz, F., McQueen, J.M., & Meyer, A.S. (2022). The principal dimensions of speaking and listening skills. Talk presented at the 22<sup>nd</sup> Meeting of the European Society for Cognitive Psychology (ESCoP 2022), Lille, France.
19. Takashima, A., Hintz, F., McQueen, J.M., Meyer, A.S., & Hagoort, P. (2022). The Neuronal Underpinnings of Variability in Language Skills. Talk presented at the 22<sup>nd</sup> Meeting of the European Society for Cognitive Psychology (ESCoP 2022), Lille, France.
20. Hintz, F., Voeten, C.C., McQueen, J.M., & Meyer, A.S. (2022). Quantifying the relationships between linguistic experience, general cognitive skills and linguistic processing skills. Short talk presented at the 44<sup>th</sup> Annual Meeting of the Cognitive Science Society (CogSci 2022, online), Toronto, Canada.
21. Hintz, F. (2022). Individual differences in language skills. Invited talk presented at the conference ‘Diversity in Language and Cognition’ organized by the Freiburg Institute for Advanced Studies, Freiburg, Germany.
22. Hintz, F. (2022). Individual differences in language skills. Invited talk presented within the LangSci Talk Series organized by SFB 1102 at Saarbrücken University, Saarbrücken, Germany.
23. Hintz, F. (2022). Mechanisms underlying native and non-native spoken word recognition in noise’. Invited talk presented at the School of Human and Behavioural Sciences Seminar series at Bangor University, United Kingdom (online).
24. Hintz, F., Wolf, M.C., Rowland, C.F., & Meyer, A.S. (2021). Evidence for Shared Knowledge and Access Processes across Comprehension and Production: Literacy Enhances Spoken Word Comprehension and Word Production. Talk presented at the 62<sup>nd</sup> Annual Meeting of the Psychonomic Society (Psychonomics 2021, online).
25. Hintz, F. (2021). Which questions can studies on individual differences in language skills address? How so? Invited talk presented at workshop on individual differences in language learning and processing, Fribourg, Switzerland.
26. Hintz, F. (2021). Individual differences in language ability: Quantifying the relationships between linguistic experience, general cognitive skills and linguistic processing skills. A new tool and preliminary data. Keynote lecture at workshop on individual differences in language learning and processing, Fribourg, Switzerland.
27. Hintz, F., Wolf, M.C., Rowland, C.F., & Meyer, A.S. (2021). Evidence for Shared Knowledge and Access Processes across Comprehension and Production: Literacy Enhances Spoken Word

- Comprehension and Word Production. Short talk presented at the 27<sup>th</sup> Architectures and Mechanisms for Language Processing Conference (AMLaP 2021, online), Paris, France.
28. Hintz, F., Voeten, C., & Scharenborg, O. (2021). Effects of masking position on the time course of spoken word comprehension in noise. Talk presented at the 43<sup>rd</sup> Annual Meeting of the Cognitive Science Society (CogSci 2021, online), Vienna, Austria.
  29. Hintz, F., Voeten, C.C., & Scharenborg, O. (2021). The presence of background noise increases interlingual phonological competition during non-native speech recognition. Short talk presented at 34<sup>th</sup> CUNY conference (online), Philadelphia, USA.
  30. Hintz, F., Voeten, C.C., Isakoglou, C., McQueen, J.M., & Meyer, A.S. (2021). Individual differences in language ability: Quantifying the relationships between linguistic experience, general cognitive skills and linguistic processing skills. Short talk presented at 34<sup>th</sup> CUNY conference (online), Philadelphia, Pennsylvania, USA.
  31. Hintz, F., Jongman, S. R., Dijkhuis, M., van 't Hoff, V., McQueen, J. M., & Meyer, A. S. (2019). Assessing individual differences in language processing: A novel research tool. Talk presented at the 21st Meeting of the European Society for Cognitive Psychology [ESCoP 2019], Tenerife, Spain.
  32. Hintz, F. & Scharenborg, O. (2016). The effect of background noise on the activation of phonological and semantic information during spoken word recognition. Talk presented at Interspeech Conference, San Francisco, California, USA.
  33. Hintz, F., McQueen, J.M., & Scharenborg, O. (2016) Effects of frequency and neighborhood density on spoken word recognition in noise: Evidence from perceptual identification in Dutch. Talk presented at the 22nd Architectures and Mechanisms of Language Processing [AMLaP] Conference, Bilbao, Spain.
  34. Hintz, F., Meyer, A.S., & Huettig, F. (2015). Context-dependent employment of mechanisms in anticipatory language processing. Talk presented at the 15th NVP Winter Conference, Eegmond aan Zee, Netherlands.
  35. Hintz, F., Meyer, A.S., & Huettig, F. (2014). Mechanisms underlying predictive language processing. Talk presented at the 56th Tagung experimentell arbeitender Psychologen [TeaP, Conference on experimental psychology], Giessen, Germany.
  36. Hintz, F., Meyer, A.S., & Huettig, F. (2014). The influence of verb-specific featural restrictions, word associations, and production-based mechanisms on language-mediated anticipatory eye movements. Talk presented at the 27th Annual CUNY Conference on Human Sentence Processing, Columbus, USA.
  37. Hintz, F. & Huettig, F. (2012). Phonological word-object mapping is contingent upon the nature of the visual environment. Talk presented at the Psycholinguistics in Flanders goes Dutch conference [PiF], Berg en Dal, Netherlands.
  38. Hintz, F. (2010). Speech and speaker recognition in dyslexic individuals. Talk presented at Studentische Tagung Sprachwissenschaft [StuTS, Student Conference on Linguistics], Potsdam, Germany.

## Posters

1. Momenian, M., & Hintz, F. (2024). Different cognitive and linguistic skills are involved in word production in younger and older adults. Poster presented at the Architectures and Mechanisms in Language Processing (AMLaP Asia) Conference, Singapore.
2. McConnell, K., Hintz, F., & Meyer, A. S. (2024). Individual differences in online research: Comparing lab-based and online administration of a psycholinguistic battery of linguistic and domain-general skills. Poster presented at the 30<sup>th</sup> Architectures and Mechanisms of Language Processing (AMLaP) Conference 2024, Edinburgh, United Kingdom.
3. Bethke, S., Meyer, A. S., & Hintz, F. (2024). Developing the Individual Differences in Language Skills (IDLaS-DE) Test Battery – A new tool for German. Poster presented at the 30<sup>th</sup> Architectures and Mechanisms of Language Processing (AMLaP) Conference 2024, Edinburgh, United Kingdom.
4. Funk, F., Hessler Carbonell, L.T., Al-Rubaye-Jung, D., Morgenstern, M., Schmied, E. Tzallas, J., & Hintz, F. (2024). Cross-modal priming of written words across different timing conditions. Poster presented at the 46th Annual Conference of the Cognitive Science Society (CogSci 2024).
5. Bethke, S., Meyer, A.S., Hintz, F. (2024). Developing the Individual Differences in Language Skills (IDLaS-DE) Test Battery—A new tool for German. Poster presented at the Highlights in Language Sciences Conference, Nijmegen, Netherlands.
6. Funk, J., Huettig, F., & Hintz, F. (2024). The role of presentational timing in acquiring novel written and spoken word forms. Poster presented at the Highlights in Language Sciences Conference, Nijmegen, Netherlands.
7. McConnell, K., Bethke, S., Hintz, F., & Meyer, A. S. (2024). Demonstration language battery. Poster presented at the Highlights in the Language Sciences Conference 2024, Nijmegen, The Netherlands.
8. Szilagyi, I. A., Vino, A., De Boer, J., Eising, E., Hintz, F., Meyer, A. S., & Fisher, S. E. (2024). Polygenic profile of individual differences in language skills in a Dutch cohort. Poster presented at the Highlights in the Language Sciences Conference 2024, Nijmegen, The Netherlands.
9. Bethke, S., Meyer, A. S., & Hintz, F. (2024). Developing the Individual Differences in Language Skills (IDLaS-DE) Test Battery – A new tool for German. Poster presented at the IMPRS Conference 2024, Nijmegen, the Netherlands.
10. Bethke, S., Meyer, A.S., & Hintz, F. (2023). Developing the Individual Differences in Language Skills (IDLaS-DE) Test Battery—A new tool for German. Poster presented at the 20<sup>th</sup> Psycholinguistics in Flanders [PiF] conference, Ghent, Belgium.
11. Lukács, A., Dobó, D., Lukics, K.S., Hintz, F. (2022). The use of verb-selective information during spoken sentence comprehension in typically and non-typically developing children. Poster presented at Architectures and Mechanisms of Language Processing [AMLaP] conference, York United Kingdom.
12. Hintz, F., Ostarek, M., De Nijs, M., Joosen, D., & Huettig, F. (2019). N'Sync or A'Sync? The role of timing when acquiring spoken and written word forms in a tonal language. Poster presented at the 21st Meeting of the European Society for Cognitive Psychology [ESCoP 2019], Tenerife, Spain.



13. Hintz, F., Jongman, S. R., Dijkhuis, M., van 't Hoff, V., Damian, M., Schröder, S., et al. (2018). STAIRS4WORDS: A new adaptive test for assessing receptive vocabulary size in English, Dutch, and German. Poster presented at Architectures and Mechanisms of Language Processing [AMLaP] conference, Berlin, Germany.
14. Hintz, F., Jongman, S. R., McQueen, J. M., & Meyer, A. S. (2018). Verbal and non-verbal predictors of word comprehension and word production. Poster presented at Architectures and Mechanisms of Language Processing [AMLaP] conference, Berlin, Germany.
15. Hintz, F., Jongman, S.R., McQueen, J.M., & Meyer, A.S. (2018). Hintz, F., Jongman, S. R., McQueen, J. M., & Meyer, A. S. (2018). Individual differences in word production: Evidence from students with diverse educational backgrounds. Poster presented at International Workshop on Language Production [IWLP], Nijmegen, Netherlands.
16. Karaminis, T., Hintz, F., Scharenborg, O. (2017). The Effects of Background Noise on Native and Non-native Spoken Word Recognition: An Artificial Neural Network Modelling Approach. Poster presented at the Ninth Annual Meeting of the Society for the Neurobiology of Language, Baltimore, USA.
17. Van de Groep, M., Scharenborg, O., & Hintz, F. (2016). Looking at the knife when hearing "map". The engagement of one's native lexicon when recognizing non-native speech in noise. Poster presented at 2nd Psycholinguistic Approaches to Speech Recognition in Adverse conditions workshop, Nijmegen, Netherlands.
18. Van de Groep, M., Scharenborg, O., & Hintz, F. (2016). Looking at the knife when hearing "map". The importance of one's native lexicon when recognizing non-native speech in noise. Poster presented at Workshop for Young Female Researchers in Speech Science & Technology, San Francisco, California, USA.
19. Hintz, F. & Scharenborg, O. (2016). The effect of background noise on the activation of phonological and semantic information during spoken word recognition. Poster presented at the 22nd Architectures and Mechanisms for Language Processing [AMLaP] Conference, Bilbao, Spain.
20. Hintz, F., & Scharenborg, O. (2016). Neighborhood density influences word recognition in native and non-native speech recognition in noise. Poster presented at the Speech Processing In Realistic Environments workshop [SPIRE 2016], Groningen, Netherlands.
21. Hintz, F., Meyer, A.S., & Huettig, F. (2015). Event knowledge and simple word associations jointly influence predictive processing during discourse comprehension. Poster presented at the 28th Annual CUNY Conference on Human Sentence Processing in Los Angeles, California, USA.
22. Hintz, F., Meyer, A.S., & Huettig, F. (2015). Doing a production task encourages prediction during comprehension: Evidence from interleaved object naming and sentence reading. Poster presented at the 28th Annual CUNY Conference on Human Sentence Processing in Los Angeles, California, USA.
23. Hintz, F., Meyer, A. S., Huettig, F. (2014). Prediction using production or production engaging prediction? Poster presented at the 20th Architectures and Mechanisms of Language Processing [AMLaP] Conference, Edinburgh, United Kingdom.
24. Roswadowitz, C., Mathias, S., Hintz, F., Kreitewolf, J., Schelinski, S., & von Kriegstein, K. (2014). Two cases of developmental phonagnosia: Insights into behavioral characteristics. Poster

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presented at the 20th Annual Meeting of the Organization for Human Brain Mapping [OHBM] in Hamburg, Germany.

25. Hintz, F. & Meyer, A. S. (2013). Prediction and production of simple mathematical equations. Poster presented at the Meeting of the European Society for Cognitive Science [ESCoP], Budapest, Hungary.
26. Hintz, F. Meyer, A. S., & Huettig, F. (2012). Looking at nothing facilitates memory retrieval. Poster presented at the Donders Discussions, Nijmegen, Netherlands.
27. Hintz, F. & Huettig, F. (2012). Phonological word-object mapping is contingent upon the nature of the visual environment. Poster presented at the 18th Annual Conference on Architectures and Mechanisms for Language Processing [AMLaP], Riva del Garda, Italy.
28. Diaz, B., Hintz, F., Kiebel, S. J. & von Kriegstein, K. (2011). Dysfunction of the medial geniculate body during speech processing in dyslexia. Poster presented at the Symposium Vocalization and audition: Cross-species comparison, Leipzig, Germany.

REFERENCES .....

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