

DR. ANNA LAURINAVICHYTE

PERSONAL INFORMATION

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children 1 child, born in 2018

WORK EXPERIENCE

2020–present Postdoctoral researcher and statistical consultant at SFB 1287 grant “Limits of variability in language”, UNIVERSITY OF POTSDAM, GERMANY
2017–2020 Coordinator of the “Cognitive systems: language, learning, and reasoning” Master’s program, UNIVERSITY OF POTSDAM, GERMANY
2013–2021 Junior research fellow at the Center for Language and Brain, NATIONAL RESEARCH UNIVERSITY HIGHER SCHOOL OF ECONOMICS, MOSCOW, RUSSIA

EDUCATION

2020–present University of Potsdam, Germany, MSc Data Science.
2015–2021 University of Potsdam, Germany, PhD in Cognitive Science (*magna cum laude*).
2005–2010 Lomonosov Moscow State University, Russia, Diploma in Linguistics (*summa cum laude*).

JOURNAL ARTICLES

Summary Published articles: 19 total, 6 first-author and/or corresponding author; 1 book chapter

under review **Laurinavichyte** A.K., von der Malsburg T. Agreement attraction in grammatical sentences and the role of the task. Under review at *Journal of Memory and Language*.
Preprint available at doi:[10.31234/osf.io/n75vc](https://doi.org/10.31234/osf.io/n75vc). Data and analysis code are available at https://osf.io/vyqe3/?view_only=0ec02ba90b264531a7ccda407132b97c.

under review Mertzen D., **Laurinavichyte** A.K., Dillon B., Engbert R., Vasishth S.
Crosslinguistic evidence against interference from extra-sentential distractors. Preprint available at doi:[10.31234/osf.io/t2j8v](https://doi.org/10.31234/osf.io/t2j8v).
Pre-registration can be seen at <https://osf.io/9qgrk>.

2023 Ziubanova A., **Laurinavichyte*** A.K., Parshina O., Does early exposure to oral and sign language affect reading fluency in deaf and hard of hearing adults? *Frontiers in Psychology*, 14, doi:[10.3389/fpsyg.2023.1145638](https://doi.org/10.3389/fpsyg.2023.1145638).
Data and analysis code are available at doi:[10.17605/OSF.IO/JE8DU](https://doi.org/10.17605/OSF.IO/JE8DU).

2023 Chromý J., Brand, J., **Laurinavichyte** A.K., Lacina R., Number agreement attraction in Czech and English comprehension: A direct experimental comparison. *Glossa Psycholinguistics*, 2(1): 14, pp. 1–20., doi:[10.5070/G6011235](https://doi.org/10.5070/G6011235).
Data and analysis code are available at http://tiny.cc/osf_files.

2023 Zdorova N., Malyutina S., **Laurinavichyte** A.K., Kaprielova A., Kromina A.,

- Lopukhina A. Do we rely on good-enough processing in reading under auditory and visual noise?. *PLoS ONE*, 18(1), e0277429, doi:[10.1371/journal.pone.0277429](https://doi.org/10.1371/journal.pone.0277429). Data and analysis code are available at doi:[10.17605/OSF.IO/6DY54](https://doi.org/10.17605/OSF.IO/6DY54).
- 2022 **Laurinavichyute** A.K., Yadav H, Vasishth S. Share the code, not just the data: A case study of the reproducibility of articles published in the Journal of Memory and Language under the open data policy. *Journal of Memory and Language*, Vol. 125, 104332, doi:[10.1016/j.jml.2022.104332](https://doi.org/10.1016/j.jml.2022.104332). Data and analysis code are available at doi:[10.17605/OSF.IO/3BZU8](https://doi.org/10.17605/OSF.IO/3BZU8), supplementary materials are available at doi:[10.17605/OSF.IO/3X2Y6](https://doi.org/10.17605/OSF.IO/3X2Y6).
- 2022 **Laurinavichyute** A.K., von der Malsburg T. Semantic attraction in sentence processing. *Cognitive Science*, Vol. 46, e13086, doi:[10.1111/cogs.13086](https://doi.org/10.1111/cogs.13086). Data and analysis code are available at doi:[10.17605/OSF.IO/P9HS7](https://doi.org/10.17605/OSF.IO/P9HS7).
- 2021 Lopukhina A., **Laurinavichyute** A.K., Malyutina S., Ryazanskaya G., Savinova E., Simdianova A., Antonova A., Korkina I. Reliance on semantic and structural heuristics in sentence comprehension across the lifespan. *Quarterly Journal of Experimental Psychology*, doi:[10.1177/17470218211053263](https://doi.org/10.1177/17470218211053263), 2021. Pre-registration can be seen at <https://osf.io/k3ebs>. Data and analysis code are available at doi:[10.17605/OSF.IO/4F2PX](https://doi.org/10.17605/OSF.IO/4F2PX).
- 2021 Lopukhina A., Lopukhin K., **Laurinavichyute** A.K. Corpus-based probabilities can substitute for cloze probabilities in reading experiments. *PLOS ONE*, Vol. 16(1), e0246133, doi:[10.1371/journal.pone.0246133](https://doi.org/10.1371/journal.pone.0246133), 2021. Data and analysis code are available at doi:[10.17605/OSF.IO/YQ46B](https://doi.org/10.17605/OSF.IO/YQ46B).
- 2021 Parshina O., **Laurinavichyute** A.K., Sekerina I.A. Eye movements in heritage language reading. *Bilingualism: Language and Cognition*, Vol. 24(1), pp. 69–82, 2021. Data and analysis code are available at doi:[10.17605/OSF.IO/TCRBA](https://doi.org/10.17605/OSF.IO/TCRBA).
- 2020 Dorofeeva S.V., **Laurinavichyute** A.K., Reshetnikova V., Akhutina T.V., Tops W., Dragoy O.D. Complex phonological tasks predict reading in 7 to 11 years of age typically developing Russian children. *Journal of Research in Reading*, Vol. 43, No. 4, pp. 516–535, 2020. Data and analysis code are available at doi:[10.17605/OSF.IO/S8X3M](https://doi.org/10.17605/OSF.IO/S8X3M).
- 2020 Sekerina I.A., **Laurinavichyute** A.K. Heritage speakers can actively shape not only their grammar but also their processing. *Bilingualism: Language and Cognition*, Vol. 23, No. 1, pp. 43–45, 2020.
- 2019 Nikiforova A., Lopukhina A., Malyutina S., **Laurinavichyute** A.K., Ryazanskaya G., Savinova E., Simdianova A. Good-enough sentence processing in adolescents and adults under no-noise and auditory-linguistic-noise conditions. *The Russian Journal of Cognitive Science*, Vol. 6, No. 2, pp. 25–32, 2019.
- 2019 **Laurinavichyute** A.K., Sekerina I.A., Alexeeva S., Bagdasaryan K., Kliegl R. Russian Sentence Corpus: Benchmark measures of eye movements in reading in Cyrillic. *Behavioral Research Methods*, Vol. 51, No. 3, pp. 1161–1178, 2019. Data and analysis code are available at doi:[10.17605/OSF.IO/X5Q2R](https://doi.org/10.17605/OSF.IO/X5Q2R).
- 2018 Malyutina S., **Laurinavichyute** A.K., Terekhina M., Lapin Ye. No evidence for strategic nature of age-related slowing in sentence processing. *Psychology and Aging*, Vol. 33, No. 7, pp. 1045–1059, 2018. The pre-registration, experimental data, and analysis code are available at doi:[10.17605/OSF.IO/C32AK](https://doi.org/10.17605/OSF.IO/C32AK).
- 2018 Lopukhina A., **Laurinavichyute** A.K., Lopukhin K., Dragoy O.V. The mental representation of polysemy across word classes. *Frontiers in Psychology*, Vol. 9, P. 192, 2018. Data and analysis code are available at doi:[10.17605/OSF.IO/STAEW](https://doi.org/10.17605/OSF.IO/STAEW).
- 2017 **Laurinavichyute** A.K.*, Jäger L.*, Akinina Yu., Ross J, Dragoy O.V. Retrieval

and encoding interference: Cross-linguistic evidence at anaphor processing
Frontiers in Psychology, Vol. 8, p. 965, 2017.

Data and analysis code are available at doi:[10.17605/OSF.IO/XFTHM](https://doi.org/10.17605/OSF.IO/XFTHM).

- 2016 Malyutina S., Dragoy O.V., Ivanova M., **Laurinavichyute** A.K., Petrushevsky A., Meindl T., Pöppel E., Gutyrchik E. Fishing is not wrestling: Neural underpinnings of the verb instrumentality effect. *Journal of Neurolinguistics*, Vol. 40, pp. 37–54, 2016.
- 2016 Dragoy O.V., Bergelson M.B., Iskra E., **Laurinavichyute** A.K., Mannova E., Skvortsov A., Statnikov A. Comprehension of reversible constructions in semantic aphasia. *Aphasiology*, Vol. 30, No. 1., pp. 1–22, 2016.
- 2015 Ivanova M.V., Dragoy O.V., Kuptsova S.V., Ulicheva A.S, **Laurinavichyute** A.K. The contribution of working memory to language comprehension: Differential effect of aphasia type. *Aphasiology*, Vol. 29, No. 6., pp. 645–664, 2015.
- 2014 **Laurinavichyute** A.K., Ulicheva A., Ivanova M.V., Kuptsova S.V., Dragoy, O.V. Processing lexical ambiguity in sentential context: Eye-tracking data from brain-damaged and non-brain-damaged individuals. *Neuropsychologia*, Vol. 64., pp. 360–373, 2014.

BOOK CHAPTERS

- 2019 Sekerina I.A., **Laurinavichyute** A.K., DRAGOY O.V. What eye movements can and cannot tell us about wh-movement and scrambling. In: Carlson K., Clifton, Jr. C., Fodor J. (eds) *Grammatical Approaches to Language Processing. Studies in Theoretical Psycholinguistics*, vol 48., Ch. 8. P. 147–165. Springer, Cham, 2019.

DISSERTATION

- 2021 **Laurinavichyute** A.K. Similarity-based interference and faulty encoding accounts of sentence processing. University of Potsdam, 2021.
Full text available at the [Potsdam University website](#).

INVITED TALKS

- 2023 Analyzing eye-tracking data: The promise and practice. **Plenary talk** at Summer Neurolinguistics School 2023, HSE, Moscow.
- 2022 The reproducibility of psycholinguistic findings: Where are we now, and how do we move forward? **Plenary talk** presented at the Psycholinguistics of Slavic Languages (PsychoSlav) conference, 2022.
- 2022 Reproducibility **workshop** at the project week of SFB 1287, 2022.

TEACHING EXPERIENCE

- 2023 “Introduction to Bayesian Data Analysis”, an [online course](#) at OpenHPI, co-instructor
- 2022 “Introductory Bayesian statistics” at Statistical Methods for Linguistics and Psychology (SMLP), co-instructor
- 2022 Reproducibility workshop at the project week of SFB 1287, 2022
- 2021 “Introductory Bayesian statistics” at Statistical Methods for Linguistics and Psychology (SMLP), co-instructor
- 2020 “Introductory Bayesian statistics” at Statistical Methods for Linguistics and Psychology (SMLP), co-instructor
- 2019 “Introductory Bayesian statistics” at Statistical Methods for Linguistics and Psychology (SMLP), teaching assistant

2017	“Lexicon in psycholinguistics” at the International Summer School on Typology and Lexicon (TyLex)
2017	“Experimental linguistics” at the School of Linguistics, HSE, Moscow
2013–2014	German Language at the Faculty of Philology, HSE, Moscow
2013	“Experimental Methods in Psycho- and Neurolinguistics” at the Faculty of Philology, HSE, Moscow
2009	“Statistical Analysis in R” at the Lomonosov Moscow State University, Moscow

SELECTED CONFERENCE PRESENTATIONS

2023	Laurinavichyute A. , Yadav H., von der Malsburg T., Vasishth S. The role of goal in sentence processing, talk at the Architectures and Mechanisms of Language Processing (AMLaP) conference, San Sebastian, Spain.
2023	Laurinavichyute A. , Yadav H., von der Malsburg T., Vasishth S. Agreement attraction effects depend on the goal of processing, poster presented at the 36th Annual Conference on Human Sentence Processing, 2023.
2023	Laurinavichyute A. , Yadav H., Vasishth S. Share the code, not just the data, poster presented at the 36th Annual Conference on Human Sentence Processing, 2023.
2021	Laurinavichyute A. , von der Malsburg T. Agreement attraction in grammatical sentences arises only in the good-enough processing mode, talk presented at the Linguistic Illusions in Sentence Processing (LISP) workshop, 2021.
2021	Laurinavichyute A. , von der Malsburg T. Agreement attraction in grammatical sentences arises only in the good-enough processing mode. Short talk presented at the 34th Annual CUNY Conference on Human Sentence Processing, 2021.
2021	Kromina A., Kaprielova A., Laurinavichyute A. Eye-movements in reading in Russian Sign Language native speakers. Poster presented at the International Symposium on Bilingual and L2 Processing in Adults and Children (ISBPAC) 2021.
2020	Laurinavichyute A. , von der Malsburg T. The Lewis and Vasishth model predicts acceptability judgments, but not RTs for attraction errors. Poster presented at the Architectures and Mechanisms of Language Processing (AMLaP) conference, 2020.
2020	Laurinavichyute A. , Lopukhina A., Malyutina S. Good-enough processing and how it depends on environmental noise – from adolescence into older age, talk at the DGfS Annual Meeting, 2020.
2019	Laurinavichyute A. , Lopukhina A., Kromina A. Eye-movement control in the Visual World Paradigm, talk presented at the Attentive Listener in the Visual World (AttLis) conference, 2019.
2019	Laurinavichyute A. , Lopukhina A., Kromina A. Eye-movement control in the Visual World Paradigm, talk presented at the Architectures and Mechanisms of Language Processing (AMLaP) conference, 2019.
2019	Laurinavichyute A. , von der Malsburg T. Agreement attraction effects in the comprehension of grammatical sentences. Presented at the 32nd Annual CUNY Conference on Human Sentence Processing, 2019.
2018	Laurinavichyute A. , Khudyakova M., Sekerina I.A., Dragoy O.V. Reactivation of syntactic traces in the Visual World paradigm? talk presented at the Fourth

St. Petersburg Winter Workshop on Experimental Studies of Speech and Language (Night Whites), 2018.

- 2018 **Laurinavichyute** A., von der Malsburg T. Semantic attraction in sentence processing. Presented at the 31st Annual CUNY Conference on Human Sentence Processing, 2018.
- 2018 **Laurinavichyute** A., von der Malsburg T. Agreement attraction in grammatical sentences. Presented at the 31st Annual CUNY Conference on Human Sentence Processing, 2018.
- 2017 **Laurinavichyute** A., Sekerina I.A., Bagdasaryan K., Alexeeva S. Russian Sentence Corpus. **talk** presented at the 19th European Conference on Eye Movements (ECEM), 2017.
- 2017 **Laurinavichyute** A., Lopukhina A. Can the Eye-Mind Connection Be Broken in the Visual World Paradigm? **talk** presented at the 19th European Conference on Eye Movements (ECEM), 2017.
- 2017 **Laurinavichyute** A., Simdianova A., Vasishth S. Agreement attraction in person: comprehension in Russian. Presented at the 30th Annual CUNY Conference on Human Sentence Processing, 2017.
- 2016 **Laurinavichyute** A., Vasishth S., Agreement attraction in person is symmetric. Presented at the 29th Annual CUNY Conference on Human Sentence Processing, 2016.
- 2016 **Laurinavichyute** A., Sekerina I.A., Bagdasaryan K., Alexeeva S. Russian Sentence Corpus, **talk** presented at the 7th Scandinavian Workshop on Eye Tracking, 2016.
- 2015 **Laurinavichyute** A., Jäger L., Akinina Yu., Benz L, Dragoy O.V., Teasing apart retrieval and encoding interference in Russian reflexives. Presented at the 28th Annual CUNY Conference on Human Sentence Processing, 2015.

ACQUIRED FUNDING

- 2019 DAAD travel grant for AMLaP 2019 conference
- 2018 KoUP grant for organizing a joint German-Russian workshop on eye-tracking research in Moscow
- 2018–2021 Russian Humanitarian Science Foundation grant “Superficial language processing: the influence of age and perceptive conditions”, investigator
- 2017 DAAD travel grant for CUNY 2017 conference
- 2017–2020 Russian Humanitarian Science Foundation grant “Russian sentence corpus as a means to investigate reading processes”, **principal investigator**
- 2016–2018 DAAD doctoral scholarship

REVIEWING FOR

BEHAVIOR RESEARCH METHODS; Glossa Psycholinguistics; Journal of Experimental Psychology: Learning, Memory, and Cognition; Neuropsychologia

EVENTS ORGANIZED

- 2020 Architectures and Mechanisms for Language Processing (AMLaP) conference, Potsdam

2018	Russian-German workshop on eye-movement research, Moscow
2015	International eye-tracking workshop, Moscow

RESEARCH SKILLS

<i>Methods</i>	EYE-TRACKING, various behavioral methods, computational cognitive modeling
<i>Data Analysis</i>	R, Python, Bayesian analysis using Stan, brms; neural networks with Keras

OTHER

<i>Scientific Interests</i>	Computational cognitive modeling · Reading in deaf population · Working memory in language processing · Reproducible research · Visual World paradigm · Research methodology · Role of goal in language processing
<i>Languages</i>	RUSSIAN · Native speaker ENGLISH · Advanced (C2) GERMAN · Upper Intermediate to Advanced (C1) SPANISH · Basic

September 25, 2023