

# ANNA LAURINAVICHYUTE

## PERSONAL INFORMATION

*Born in Russia*, 4 June 1988

*address* Gutenbergstrasse 8, 14467 Potsdam, Germany

*email* [anna.laurinavichyute@uni-potsdam.de](mailto:anna.laurinavichyute@uni-potsdam.de)

*phone* +49 176 73899073

## 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*).

## TEACHING EXPERIENCE

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” taught 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

## JOURNAL ARTICLES

*under review* **Laurinavichyute** A.K., von der Malsburg T. Semantic attraction in sentence processing. Under review at *Cognitive Science*. Preprint available from doi:[10.31234/osf.io/hk9nc](https://doi.org/10.31234/osf.io/hk9nc).  
Data and analysis code are available from doi:[10.17605/OSF.IO/P9HS7](https://doi.org/10.17605/OSF.IO/P9HS7).

- under review* Laurinavichyute A.K., Vasishth S. The (ir)reproducibility of published analyses: A case study of 57 JML articles published between 2019 and 2021. Under review at *Journal of Memory and Language*. Preprint available from doi:[10.31234/osf.io/hf297](https://doi.org/10.31234/osf.io/hf297). Data and analysis code are available from doi:[10.17605/OSF.IO/3BZU8](https://doi.org/10.17605/OSF.IO/3BZU8).
- under review* Zdorova N., Malyutina S., Laurinavichyute A.K., Kaprielova A., Kromina A., Lopukhina A. Do we rely on good-enough processing in reading under auditory and visual noise?. Under review at *PLOS ONE*. Preprint available from doi:[10.31234/osf.io/ahm9v](https://doi.org/10.31234/osf.io/ahm9v). Data and analysis code are available from doi:[10.17605/OSF.IO/6DY54](https://doi.org/10.17605/OSF.IO/6DY54).
- unpublished* Mertzen D., Laurinavichyute A.K., Dillon B., Engbert R., Vasishth S. A cross-linguistic investigation of proactive, similarity-based retrieval interference in sentence comprehension: No support from English, German and Russian eye-tracking data. Preprint available from doi:[10.31234/osf.io/t2j8v](https://doi.org/10.31234/osf.io/t2j8v). Pre-registration can be seen at <https://osf.io/9qgrk>.
- 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 from 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 from 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 from 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 from 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 from 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 from 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 from 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 from anaphor processing *Frontiers in Psychology*, Vol. 8, p. 965, 2017.  
Data and analysis code are available from 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](#).

#### SELECTED CONFERENCE PRESENTATIONS

- 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 Levis and Vasishth model predicts acceptability judgments, but not RTs for attraction errors, 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** selected for presentation 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 (ECM), 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 (ECM), 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

## EVENTS ORGANIZED

2020	Architectures and Mechanisms for Language Processing (AMLaP 2020, 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>Experiment Programming</i>	E-PRIME, DMDX, Linger, ExperimentBuilder, Experigen, IbexFarm
<i>Data Analysis</i>	R, Bayesian analysis using Stan, brms

## OTHER

<i>Scientific Interests</i>	Good-enough processing · Reading in deaf population · Working memory in language processing · Reproducible research · Visual World paradigm · Bayesian analysis · Research methodology · Cognitive modeling
<i>Languages</i>	RUSSIAN · Native speaker ENGLISH · Advanced (C2) GERMAN · Upper Intermediate to Advanced SPANISH · Basic

October 11, 2021