Maria Korochkina

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Publications

Pre-prints

- **Korochkina, M.**, Nickels, L., & Bürki, A. (**Under review**). What can we learn about integration of novel words into semantic memory from automatic semantic priming? [pre-registration, pre-print, data & scripts].

2023

- **Korochkina, M.**, Sowman, P.F., Nickels, L., & Bürki, A. (**2023**). Neural correlates of encoding in novel word learning. *Collabra: Psychology*, 9 (1): 57525. https://doi.org/10.1525/collabra.57525 [pre-registration, pre-print, data & scripts].

2021

- **Korochkina, M.**, Bürki, A., & Nickels, L. (**2021**). Apples and oranges: How does learning context affect novel word learning? *Journal of Memory and Language*, 120, 104246. https://doi.org/10.1016/j.jml.2021.104246 [pre-registration, pre-print, data & scripts].

Conference contributions

2023

- **Korochkina, M.**, Nickels, L., & Bürki, A. (2023). Behavioural and electrophysiological markers of integration in novel word learning. **Talk** given at the EPS meeting in London, UK, January 4-6, 2023. [slides]

2022

- **Korochkina, M.**, Sowman, P.F., Nickels, L., & Bürki, A. (2022). Neural correlates of encoding in learning of novel names for novel concepts. **Poster** presented at AMLaP in York, UK, September 7-9, 2022. [poster]

2021

- **Korochkina, M.**, Bürki, A., & Nickels, L. (2021). Behavioural and electrophysiological markers of integration in novel word learning. **Talk** presented at virtual SNL, October 5-8, 2021. [slides] [supporting documentation]

2020

- **Korochkina, M.**, Nickels, L., & Bürki, A. (2020). Behavioural and electrophysiological markers of integration in novel word learning. **Poster** presented at the virtual Psychonomics meeting, November 19-22, 2020. [slides]

- **Korochkina, M.**, Nickels, L., & Bürki, A. (2020). A behavioural and electrophysiological investigation of novel word learning. **Talk** given at the virtual Words in the World conference, October 16-18, 2020. [slides]

2019

- **Korochkina, M.**, Bürki, A., & Nickels, L. (2019). Semantic integration of new vocabulary: Does learning context matter? **Poster** presented at ESCoP in Tenerife, Spain, September 25-28, 2019. [poster]

- **Korochkina, M.**, Bürki, A., & Nickels, L. (2019). The effect of the learning context on novel word learning. **Poster** presented at AMLaP in Moscow, Russia, September 6-8, 2019. [poster]

Education

- *2018 – 2022*: PhD in Cognitive Science, joint degree from Universities of Potsdam (Germany), Newcastle (UK), Groningen (Netherlands), and Macquarie University (Australia) (IDEALAB PhD programme)

- *2016 – 2018*: MSc in Experimental and Clinical Linguistics (IECL), University of Potsdam

  - *2015 – 2016*: MSc in Linguistics, University of Potsdam. Switched to MSc IECL in Oct 2016

- *2010 – 2015*: Diploma (equivalent to BA and MA) in Philology (Division of Romance and Germanic Philology), Lomonosov Moscow State University, Russia

  - *Sept 2014 - Feb 2015*: Semester abroad, University of Vienna, Austria
  - *Sept 2012 - Feb 2013*: Semester abroad, University of Vienna, Austria

Academic employment

- *Jan 2023 – present*: Honorary Postdoctoral Fellow, Macquarie University

- *June 2022 – present*: Postdoctoral Research Fellow, Rastle Lab, Royal Holloway University of London

- *Feb 2020 – June 2022*: Academic Tutor, Macquarie University (see Teaching)

- *Nov 2019 – Jan 2020*: Research Assistant, Language Research Group, Macquarie University

- *July 2016 – Aug 2018*: Research Assistant, Neurocognition of Language Lab (NOLA), University of Potsdam

- *April 2017 – June 2018*: Research Assistant, VasishthLab, University of Potsdam

Teaching

- *27 March 2023*: Instructor, Fitting Bayesian Linear Mixed Effects and Distributional Regression models with brms, R-Users meeting, Royal Holloway University of London

- Academic Tutor, Macquarie University

  - *Session 1*, 2021 & 2022*: PSYU3349 Design and Statistics III
  - *Session 2, 2020 & 2021*: PSYU2248 Design and Statistics II

- *Session 2, 2020 & 2021*: SPHL3311 Acquired Speech and Language Disorders
- *Session 1, 2020*: COGS2020 Experimental Design and Data Analysis for the Cognitive and Brain Sciences (also on GitHub)

- *18 Feb 2021*: Presenter, Data analysis using (generalised) linear mixed effects models in R (part of a series of webinars and online workshops in research training; see here), Macquarie University

- *21-25 Sept 2020*: Helper, Introduction to R, Software Carpentry Workshop, Macquarie University

Academic service

- Reviewer for Psychonomic Bulletin & Review, Language, Cognition, and Neuroscience, Behavior Research Methods, Journal of Memory and Language, Advances in Cognitive Psychology, Language and Speech, Psychology and Neuroscience

- Organiser of the ReproducibiliTea journal club at Royal Holloway University of London

Further training and qualifications

2022

- Introduction to Natural Language Processing in Python, DataCamp [certificate]

- The 6th Summer School on Statistical Methods for Linguistics and Psychology (SMLP), Bayesian Advanced Track, University of Potsdam

2021

- Badged Instructor training, The Carpentries

2020

- Python Data Structures, University of Michigan [certificate]

- Programming for Everybody (Getting Started with Python), University of Michigan [certificate]

- MATLAB Fundamentals with MathWorks, Macquarie University

- Python Basics for Data Science, edX (Audit)

- Understanding the Brain: The Neurobiology of Everyday Life, University of Chicago [certificate]

2019

- Australasian Magnetoencephalography (WAM) 2019: Neurocognitive clinical applications of MEG: Present and future, Macquarie University

- Introduction to Python with Software Carpentry, Macquarie University

- The 3rd Summer School on Statistical Methods for Linguistics and Psychology (SMLP), Bayesian Advanced Track, University of Potsdam

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*In Australia, Session 1 usually starts in the end of February and ends in the end of June, Session 2 goes from the end of July to the end of November, and Session 3 starts immediately after Session 2 and ends in the end of January the following year.

2016–2018

- Workshop, Advanced Methods: Bayesian Statistics with R, Workshop, University of Potsdam

- fNIRS-Workshop, NIRx Medizintechnik GmbH, Berlin

- Internship at the NOLA Lab, University of Potsdam

- fNIRS-Workshop, NIRx Medizintechnik GmbH, Berlin

- Workshop on Standardised Tests of Cognitive and Language Development in Children (SETK 2, SETK 3-5, Bayley-III, KABC-II), University of Potsdam

Honors & awards

2023

- Credibility Prize (Student Researcher, British Neuroscience Association (GBP 500)

2020

- Postgraduate Research Fund, Macquarie University (AUD 5,000)

2019

- Conference travel award, Commission for Research and Young Academics, University of Potsdam (EUR 1,000)

- Conference travel award, Potsdam Graduate School, University of Potsdam (EUR 500)

- Financial support for test subjects as part of the dissertation, Commission for Research and Young Academics, University of Potsdam (EUR 760)

2012–2014

- Non-EU student exchange award (a one semester scholarship), Department of Linguistics, University of Vienna (EUR 2,500)

- Non-EU student exchange award (a one semester scholarship), Department of German Studies, University of Vienna (EUR 2,500)

Experimental techniques and programming languages

• Behavioural • EEG • Computational modelling • Matlab • Python • R • Stata • HTML • LaTeX

Natural languages

• Russian • German • English • Swedish • Icelandic (beginner)