

Katie Von Holzen

Akademische Rätin

Curriculum Vitae
September 2019

📍 Lehrstuhl Linguistik des Deutschen, Technische Universität Dortmund
🏠 [Kvonholzen.github.io](https://kvonholzen.github.io)
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🔗 [Kvonholzen](#)

Education

2013 **Dr. rer. nat. Psychology, magna cum laude**
Georg-August-Universität Göttingen, Germany

2009 **B.S. Psychology, summa cum laude**
University of Wisconsin - Green Bay, USA

Employment

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|--------------|---|-------------------------------------|
| 2019-present | Akademische Rätin (Senior Postdoctoral Researcher) Technische Universität Dortmund, Germany | Supervisor: Prof. Dr. Sarah Schimke |
| 2017-2019 | Postdoctoral Researcher University of Maryland, USA | Mentor: Prof. Rochelle Newman |
| 2014-2017 | Postdoctoral Researcher Université Paris Descartes, France | Supervisor: Dr. Thierry Nazzi |
| 2010-2013 | Scientific Staff Georg-August-Universität Göttingen | Supervisor: Prof. Dr. Nivedita Mani |
| 2009 | Summer Research Intern Dartmouth College, USA | Supervisor: Prof. Todd Heatherton |

Research Areas

- Language acquisition (bilingual and monolingual)
- Developmental language outcomes
- Event-Related Potentials (ERPs)
- Word/wordform recognition
- Speech segmentation
- Phono-lexical processing
- Foreign speech processing
- Bilingual lexical access
- Mispronunciation sensitivity
- Consonant bias in lexical processing

Publications

Published Manuscripts

1. Von Holzen, K, CT Fennell, and N Mani (2019). The impact of cross-language phonological overlap on bilingual and monolingual toddlers' word recognition. *Bilingualism: Language and Cognition*.
2. Von Holzen, K, LL Nishibayashi, and T Nazzi (2018). Consonant and vowel processing in word form segmentation: An infant ERP study. *Brain Sciences* **8**(24), 1–15.
3. Nazzi, T, S Poltrock, and K Von Holzen (2016). The developmental origins of the consonant bias in lexical processing. *Current Directions in Psychological Science* **25**(4), 291–296.
4. Von Holzen, K and N Mani (2014). Bilinguals implicitly name objects in both their languages: An ERP study. *Frontiers in Psychology* **5**(DEC), 1–12.
5. Von Holzen, K and N Mani (2012). Language nonselective lexical access in bilingual toddlers. *Journal of Experimental Child Psychology* **113**, 569–586.

PhD Thesis

1. Von Holzen, K (2013). "The initial and long-lasting effects of early bilingual language acquisition on lexical access: Evidence from ERP and eye-tracking studies". Unpublished doctoral dissertation. Georg-August-Universität Göttingen.

Chapters in Books

Peer-Reviewed Conference Proceedings

1. Von Holzen, K and C Bergmann (2018a). A meta-analysis of infants' mispronunciation sensitivity development. In: *Proceedings of the 40th Annual Conference of the Cognitive Science Society*. Ed. by T Rogers, M Rau, X Zhu, and CW Kalish. Austin, TX: Cognitive Science Society, Inc., pp.1157–1162.

Open Data

1. Von Holzen, K and C Bergmann (2018b). *Infant Mispronunciation Sensitivity (InMisSens) Meta-Analysis - Cognitive Science Society Submission*. Charlottesville, VA. osf.io/nvc8m.

Manuscripts under revision or review

1. Newman, RS, LA Kirby, K Von Holzen, and E Redcay (under review). "Read my lips! Perception of speech in noise by preschool children with autism and the advantage of watching the speaker's face."
2. O'Fallon, MK, K Von Holzen, and RS Newman (under review). "Preschoolers' word-learning during shared storybook reading interactions".
3. Raneri, D, K Von Holzen, R Newman, and N Bernstein Ratner (under review). "Change in maternal speech rate to preverbal infants over the first two years of life".
4. Von Holzen, K and T Nazzi (under review). "Emergence of a consonant bias during the first year of life: New evidence from own-name recognition".
5. Bobb, SC, J Mayor, K Von Holzen, N Mani, and M Carreiras (in revision). "Co-activation of L2 lexical items during L1 auditory processing in an ERP cross-modal priming paradigm."
6. Von Holzen, K and C Bergmann (in preparation, manuscript finalization). "The development of infants' responses to mispronunciations: A Meta-Analysis."
7. ManyBabies Consortium (accepted pending data analysis). "Quantifying sources of variability in infancy research using the infant-directed speech preference".

Grants

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| 2017 | Comparative and Evolutionary Biology of Hearing NIH Postdoctoral Training Grant 5T32DC00046 - 23 |
| 2009 | Psi Chi Association of Psychological Science Summer Research Grant \$5,000 |

Awards

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| 2019 | Society for Improvement of Psychological Science Mission Award For improving psychological science in the face of challenge, as contributor to the ManyBabies1 Collaboration |
| 2018 | Berkeley Initiative for Transparency in the Social Sciences (BITSS) Meta-Analysis Challenge Winner Shared with co-author Christina Bergmann, \$1,000 |
| 2014 | Summer School Travel Grant: GDR Neurosciences Cognitives du Développement bourses de mobilité à des doctorants For the Potsdam Summer School, "Infant Studies on Language Development in Europe (ISOLDE)" |
| 2013 | Universitätsbund Göttingen Travel Grant For the International Workshop on Bilingualism and Cognitive Control in Krakow, Poland |
| 2011 | Paula Menyuk Travel Award For BUCLD 2011, \$300 |
| 2010 | Phi Eta Sigma National Honor Society Graduate Scholarship \$7,000 |
| 2009 | 2nd place Margaret Bernauer Psychology Research Award Awarded for Poster Presentation at the Wisconsin Psychological Association Conference, \$200 |

Invited Talks

1. Von Holzen, K (2019, April). *Babies know words, even when they're mispronounced: A meta-analysis of mispronunciation sensitivity*. Presented at the Linguistics Department, City University of New York, USA.
2. Von Holzen, K (2018, December). *On the road to bilingualism: The role of age in foreign speech processing*. Presented at the Team Meeting of the Language and Cognition Group, The Institute of Neuroscience and Cognition, Paris Descartes Université, Paris, France.
3. Von Holzen, K and T Nazzi (2016, September). *Origine de l'asymétrie consonne/voyelle lors du traitement lexical*. Presented at the Agence nationale de la recherche meeting of the grant funding programme BLANC 2013, Paris, France.

4. Von Holzen, K (2014, May). *Segmentation of infant- and adult-directed speech in 12-month-olds: An ERP study*. Presented at the Concordia Infant Research Laboratory Team Meeting, Montreal, Canada.
5. Von Holzen, K (2012, November[a]). *The cognate facilitation effect in bilingual and monolingual toddlers*. Presented at the Workshop on Monolingual and Bilingual Word Recognition and Learning in Infants and Adults, Basque Center on Cognition, Brain, and Language, San Sebastian, Spain.
6. Von Holzen, K (2012, November[b]). *Learning phonemes from faces: The role of speaker identity in non-native phoneme discrimination*. Presented at the Workshop on Monolingual and Bilingual Word Recognition and Learning in Infants and Adults, Basque Center on Cognition, Brain, and Language, San Sebastian, Spain.
7. Von Holzen, K (2012, June). *Mechanisms underlying lexical processing in monolingual and bilingual toddlers*. In L. Polka (Chair), *Comparing monolingual and bilingual language acquisition during infancy*. Invited symposium conducted at the XVIIIth Biennial International Conference on Infant Studies, Minneapolis, MN.

Conference Activity

Talks Presented

1. Von Holzen, K and C Bergmann (2019, March). *Can a tog be a dog? A meta-analysis of experimental factors influencing infants' mispronunciation sensitivity*. In Gonzalez-Gomez, N. (Chair), *Big ideas to tackle small samples*. Presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, USA.
2. Von Holzen, K and C Bergmann (2018, July[a]). *A meta-analysis of infants' mispronunciation sensitivity development*. Presented at the 40th Annual Meeting of the Cognitive Science Society, Madison, WI, USA.
3. Von Holzen, K and R Newman (2018, December). *On the road to bilingualism: The role of native language knowledge in foreign speech processing*. In Koostra, G. J. and Bosma, E. (Chairs), *Cross-language activation in bilingual children*. Presented at the Conference on Multilingualism, Ghent, Belgium.
4. Von Holzen, K, LL Nishibayashi, and T Nazzi (2017, June). *An ERP study of consonant and vowel processing of newly segmented word forms*. Presented at the Workshop on Infant Language Development, Bilbao, Spain.
5. Von Holzen, K and T Nazzi (2015, June). *The role of consonants and vowels in 5- and 8-month-old own name recognition: Implications for lexical development*. Presented at the second Workshop on Infant Language Development, 2015, Stockholm, Sweden.
6. Von Holzen, K, D Wolff, and N Mani (2014, July). *Segmentation of infant- and adult-directed speech in 12-month-olds: An ERP study*. In K. Von Holzen (Chair), *Segmenting words from continuous speech: Examining varied input sources for infants*. Symposium conducted at the XIXth Biennial International Conference on Infant Studies, Berlin, Germany.
7. Von Holzen, K, D Wolff, and N Mani (2013, October). *Segmentierungsfähigkeit von infant- und adult-directed speech bei 12 Monate alten Kindern (Segmentation of infant- and adult-directed speech in 12-month-old infants)*. Presented at the 22nd Deutsches EEG/EP Mapping Meeting, Giessen, Germany.
8. Von Holzen, K and N Mani (2012, March[a]). *The cognate facilitation effect in bilingual toddlers*. Presented at the International Workshop Bilingual and Multilingual Interaction, Bangor, Wales.
9. Von Holzen, K and N Mani (2012, March[b]). *Language non-selective lexical access in bilingual toddlers*. Presented at the International Workshop Bilingual and Multilingual Interaction, Bangor, Wales.
10. Von Holzen, K and N Mani (2012, June). *Learning phonemes from faces: The role of speaker identity in non-native phoneme discrimination*. In K. Von Holzen (Chair), *Infant phonetic learning in context: The influence of faces, objects, and words*. Symposium conducted at the XVIIIth Biennial International Conference on Infant Studies, Minneapolis, MN.
11. Von Holzen, K and N Mani (2011, September). *Bilingual phonological priming: An ERP study investigating interconnectivity of activation in the bilinguals two lexicons at different points in development*. In J. Mayor (Chair), *The emergence of lexical networks in the second year of life*. Symposium conducted at the 17th Meeting of the European Society for Cognitive Psychology, San Sebastian, Spain.

Posters Presented

1. Von Holzen, K and C Bergmann (2018, July[b]). *A meta-analysis of mispronunciation sensitivity in infancy*. Presented at the XXth Biennial International Conference on Infant Studies, Philadelphia, PA.
2. Von Holzen, K, S Van Ommen, K White, and T Nazzi (2018, July). *French-learning infants' adaptation to a novel accent: The role of consonant/vowel asymmetry*. Presented at the XXth Biennial International Conference on Infant Studies, Philadelphia, PA.
3. Von Holzen, K, LL Nishibayashi, and T Nazzi (2017, November). *Neural bases of phonological processing of newly segmented word forms*. Presented at the 2017 Boston University Conference on Language Development, Boston, MA.

4. Von Holzen, K, D Rider, and T Nazzi (2017, July). *Consonant and vowel processing in 5-, 8-, and 11-month-olds own name recognition: The role of acoustic/phonetic and lexical factors*. Presented at the Congress of the International Association for the Study of Child Language, Lyon, France.
5. Von Holzen, K, CT Fennell, and N Mani (2014, July). *The cognate facilitation effect in bilingual and monolingual toddlers*. Presented at the XIXth Biennial International Conference on Infant Studies, Berlin, Germany.
6. Von Holzen, K, F Kremer, and N Mani (2013, May). *Associating a language with a speaker: Bilingual production is influenced by speaker language*. Presented at the International Workshop on Bilingualism and Cognitive Control, Krakow, Poland.
7. Von Holzen, K and N Mani (2013, June). *Native and non-native phoneme perception in bilingual toddlers: A longitudinal study*. Presented at the Workshop on Infant Language Development, San Sebastian, Spain.
8. Von Holzen, K, D Wolff, and N Mani (2013, June). *Segmentation of IDS and ADS in 12-month-olds: An ERP study*. Presented at the Workshop on Infant Language Development, San Sebastian, Spain.
9. Von Holzen, K and N Mani (2011, November). *Learning phonemes from faces: The role of speaker identity in non-native phoneme discrimination*. Presented at the 2011 Boston University Conference on Language Development, Boston, MA.
10. Von Holzen, K and N Mani (2011, April). *Word-word relationships between languages and across development*. Presented at the 2011 CNS Annual Meeting, San Francisco, CA.
11. Von Holzen, K and N Mani (2010, September). *Phonological priming across language borders: No passport required?* Presented at the Donostia Workshop on Neurobilingualism, Donostia-San Sebastian, Spain.

Teaching and Mentorship

Courses Taught

Lecture-based Courses

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| 2018 | Should I Buy That? Comparing Media Claims with Scientific Evidence from Brain & Behavior Research <ul style="list-style-type: none"> ➤ Bachelor students ➤ Department of Hearing and Speech Sciences ➤ University of Maryland |
| 2011 | Experimental Methods for Testing Language Comprehension <ul style="list-style-type: none"> ➤ Bachelor students ➤ German Department ➤ Georg-August-Universität Göttingen |

Seminars

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| 2012 | Language Acquisition and Processing <ul style="list-style-type: none"> ➤ Bachelor students ➤ German Department ➤ Georg-August-Universität Göttingen |
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Tutorials

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| 2017 | Setting up and analyzing an eye-tracking experiment: From Open Sesame to Eyelink to R <ul style="list-style-type: none"> ➤ Doctoral students, postdoctoral researchers, and faculty ➤ Université Paris Descartes |
| 2017 | Time Course Analysis in R <ul style="list-style-type: none"> ➤ Doctoral students, Research Training Group 2070 ➤ Georg-August-Universität Göttingen |
| 2016 | EEG Pre-processing and Analysis Using EEGLAB and ERPLAB <ul style="list-style-type: none"> ➤ Doctoral students, postdoctoral researchers, and faculty ➤ Université Paris Descartes |

Students Mentored

University of Maryland

A fast note about slow rate in IDS: Maternal speech rate to preverbal infants facilitates early language development, 2018-2019

Sara Cusick, Assistantship
Mary Murphy, Assistantship
Kayla Whitlock, Assistantship
Jennifer Zuhl, Assistantship
Julia Grable, Assistantship
Alexia Proctor, Assistantship

Utterance alignment of a large, longitudinal corpus in CLAN/CHAT, 2018-2019

Heather Wibberley, Assistantship
Taylor Trent, Assistantship
Jillian Doherty, Assistantship
Maggie Roman, Assistantship
Dominique Jenkins, Assistantship
Jessica Mooney, Assistantship

Université Paris Descartes

French-learning infants' adaptation to a novel accent: The role of consonant/vowel asymmetry

Rosalie Delille, Internship, 2017

Consonant and vowel processing in word form segmentation: An infant ERP study

Sofia Carrion, Internship, 2017
Elisa Moulin, Internship, 2015-2016
Jeanne Charoy, Internship, 2015
Marion Lafargue, Internship, 2014-2015

Emergence of the C-bias during the first year of life: New evidence from own name recognition

Safyya Larinouna, Internship, 2016
Henry Cheng, International Visiting Internship, 2014

Georg-August-Universität Göttingen

Associating a language with a speaker: Bilingual production is influenced by speaker language

Bachelor Thesis, Fabienne Kremer, 2013

Segmentierungsfähigkeit von infant- und adult-directed speech bei 11-13 Monate alten Kindern. Eine ERP-Studie. (Segmentation abilities in infant- and adult directed speech in 11-13 month old children: An ERP study)

Master Thesis, Deborah Wolff, 2012

Spoken word perception in L1 and L2: An ERP study of the influence of speaker, gender, frequency, and repetition

Masters Internship, Agnieszka Leszczynska, 2012

Skills

Experiment Programming Experience

Open Sesame/Python

- Intermediate expertise
- Designing experiments, including lexical decision (adults), visual world paradigm (with and without an eye-tracker) and preferential listening (infants)
- Experience advising colleagues on experimental design
- Conducting tutorials with colleagues and students
- Used to promote Open Science practices

Presentation (Neurobehavioral Systems)

- Intermediate expertise
- Designing experiments, including EEG experiments

EPrime (Psychology Software Tools, Inc.)

- Beginner expertise
- Designing experiments, including EEG experiments

Statistical/Data Analysis Experience

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- Proficient expertise

- Advising colleagues on statistical analysis, data wrangling
- Conducting tutorials on eye-tracking data
- Growth growth curve modeling (lmer package)
- Mixed effects models (lmer package)
- ANOVA analyses (ez package)
- Producing beautiful graphics (ggplot2 package)
- Analyzing vocabulary data corpora (wordbankr package)
- Power analysis (pwr package)
- Creating RMarkdown files to promote collaboration and accuracy
- Used to promote Open Science practices

Praat

- Intermediate expertise
- Scripting to automatically analyze sounds (pitch, duration, intensity)
- Stimuli creation
- Interfacing with CLAN output to analyze corpora
- Interfacing with a forced aligner (Easy Align)
- Used to promote Open Science practices

CHAT/CLAN

- Intermediate expertise
- Analyzing length of utterance
- Time-locking transcripts to audio recordings
- Interfacing with Praat

EEG/ERPlab

- Intermediate expertise
- Preprocessing EEG data
- Conducting tutorials
- Related MATLAB scripting to automatically analyze EEG/ERP data

SPSS

- Intermediate expertise
- ANOVA analyses

Service

Institutional Service

University of Maryland

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| 2019 | Member of the Cultural and Linguistic Diversity Committee |
| 2018 | Panel judge for Graduate Research Appreciation Day |

Université Paris Descartes

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| 2014-2017 | Co-founder and organizer, Parisian BabyLab Meetings (PaBaLa) |
| 2014-2016 | Co-Chair, Student and Post-doc Talks (SPOT) |

Professional Service

Ad-hoc Review

- Journal of Experimental Child Psychology
- Developmental Science
- Language and Speech
- Infancy
- Bilingualism: Language and Cognition
- Developmental Cognitive Neuroscience
- Child Development
- Journal of Cognitive Psychology
- Journal of Memory and Language

Conference Review

- CCERBAL Conference: Bilingual from Birth: Process, Pedagogy and Policy (2016). Ottawa, Canada
- International Workshop on Bilingualism and Cognitive Control (2013). Jagiellonian University, Krakow, Poland
- International Workshop: "Bilingual and Multilingual Interaction" ESRC Centre for Research on Bilingualism (2012), Bangor, Wales

Professional Memberships

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| 2019- | Member of the Deutscher Hochschulverband |
| 2018- | Member of the International Congress on Infant Studies |
| 2012- | Member of Women in Cognitive Science (WICS) |

Languages

- English, native
- German, fluent (C1)
- French, beginner (A2)

Community Involvement/Outreach

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| 2018, 2019 | Rosa Parks Elementary School, Hyattsville Education Advisory Committee's Summer Reading Program Volunteer |
| 2014 | Winneconne Elementary School, "Being a scientist and living in a foreign country" Presenter |
| 2012 | Preschool Immersion Event, "Bilingual Language Development at ASC Kinderbewegungshaus" Presenter |