Katie Von Holzen
Akademische Rätin

Curriculum Vitae
March 2022

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Kvonholzen

Education

2019 - in progress	**Habilitation**	
	Technische Universität Dortmund, Germany	
2010 - 2013	**Dr. rer. nat. Psychology, magna cum laude**	
	Georg-August-Universität Göttingen, Germany	
2006 - 2009	**B.S. Psychology, summa cum laude**	
	University of Wisconsin - Green Bay, USA	

Employment

2022 (April) - -	**Scientific Staff**	Group Head: Prof. Dr. Holger Hopp
	TU Braunschweig	
2019 - 2022	**Akademische Rätin (Lecturer)**	Group Head: Prof. Dr. Sarah Schimke
	Technische Universität Dortmund, Germany	
2017 - 2019	**Postdoctoral Researcher**	Mentor: Prof. Rochelle Newman
	University of Maryland, USA	
2014 - 2017	**Postdoctoral Researcher**	Supervisor: Dr. Thierry Nazzi
	Université Paris Descartes, France	
2010 - 2013	**Scientific Staff**	Supervisor: Prof. Dr. Nivedita Mani
	Georg-August-Universität Göttingen, Germany	

Research Areas

Language acquisition	**Bilingual; First-language; Second-language; Foreign-language**
Methodology	**Event-Related Potentials (ERPs); Eyetracking (gaze); Eyetracking (pupillometry); Longitudinal studies**
Open Science Principles	**Meta-analyses; Reproducible code; Open data; Large-scale collaborations (Many Babies)**
(Phono)-Lexical processing	**Word/wordform recognition; Consonant bias; Speech segmentation; Mispronunciation sensitivity**

Invited Talks

1. Von Holzen, K. (2022). *DoyouunderstandwhatIamsaying? How learners break into speech segmentation*. Presented at the Linguistics Colloquium, TU Braunschweig, Germany.
2. Von Holzen, K. (2021). *Babies know words, even when they're mispronounced: An introduction to meta-analyses*. Presented at the German Seminar Colloquium, Albert-Ludwigs Universitaet Freiburg, Germany.
3. Von Holzen, K. (2020). *Babies know words, even when they're mispronounced: A meta-analysis of mispronunciation sensitivity studies*. Presented at the Team Meeting of the Language and Cognition Group, The Institute of Neuroscience and Cognition, Paris Descartes Universite, Paris, France.
4. Von Holzen, K. (2019). *On the road to bilingualism: Foreign speech processing at first exposure in early childhood*. Presented at the Psychology Institute Colloquium, Johannes Gutenberg Universitaet Mainz, Germany.
5. Von Holzen, K. (2019). *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.
6. Von Holzen, K. (2018). *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 Universite, Paris, France.
7. Von Holzen, K. (2016). *Phonological and lexical processing in first language and multilingual acquisition*. Presented at the Linguistics Faculty, Potsdam, Germany.
8. Von Holzen, K., & Nazzi, T. (2016). *Origine de l'asymetrie consonne/voyelle lors du traitement lexical*. Presented at the Agence nationale de la recherche meeting of the grant funding programme BLANC 2013, Paris, France.
9. Von Holzen, K. (2014). *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.

10. Von Holzen, K. (2012). *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.

11. Von Holzen, K. (2012). *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.

12. Von Holzen, K. (2012). *Mechanisms underlying lexicalprocessing 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. Schlage, F., & Von Holzen, K. (2021). *From boomer to digital native: The influence of anglicisms in german social media language on language processing*. Presented at the 2021 Conference Architectures and Mechanisms for Language Processing (AMLap), Paris, France.

2. Boveleth, J., & Von Holzen, K. (2021). *The difference in the vocabulary size of children with und without down syndrome: A meta analysis*. Presented at the Muenster Conference Linguistic Representtions and Language Processing, Muenster, Germany.

3. Von Holzen, K., Harnischmacher, V., & Schuster, N. (2021). *Phonetic cues in l2 speech segmentation*. Presented at the 2021 Conference Architectures and Mechanisms for Language Processing (AMLap), Paris, France.

4. Von Holzen, K., & Bergmann, C. (2019). *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.

5. Von Holzen, K., & Bergmann, C. (2018). *A meta-analysis of infants' mispronunciation sensitivity development*. Presented at the 40th Annual Meeting of the Cognitive Science Society, Madison, WI, USA.

6. Von Holzen, K., & Newman, R. (2018). *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.

7. Von Holzen, K., Nishibayashi, L.-L., & Nazzi, T. (2017). *An erp study of consonant and vowel processing of newly segmented word forms*. Presented at the Workshop on Infant Language Development, Bilbao, Spain.

8. Von Holzen, K., & Nazzi, T. (2015). *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.

9. Von Holzen, K., Wolff, D., & Mani, N. (2014). *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.

10. Von Holzen, K., Wolff, D., & Mani, N. (2013). *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.

11. Von Holzen, K., & Mani, N. (2012). *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.

12. Von Holzen, K., & Mani, N. (2012). *The cognate facilitation effect in bilingual toddlers*. Presented at the International Workshop Bilingual and Multilingual Interaction, Bangor, Wales.

13. Von Holzen, K., & Mani, N. (2012). *Language non-selective lexical access in bilingual toddlers*. Presented at the International Workshop Bilingual and Multilingual Interaction, Bangor, Wales.

14. Von Holzen, K., & Mani, N. (2011). *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., & Newman, R. (2021). *The recognition of foreign words at first exposure in early language development: The role of phonological similarity*. Presented at the Biennial Meeting of the Society for Research in Child Development, Virtual Conference. https://doi.org/10.6084/m9.figshare.14381984.v1

2. Von Holzen, K., & Bergmann, C. (2018). *A meta-analysis of mispronunciation sensitivity in infancy*. Presented at the XXIth Biennial International Conference on Infant Studies, Philadelphia, PA.

3. Von Holzen, K., Van Ommen, S., White, K., & Nazzi, T. (2018). *French-learning infants' adaptation to a novel accent: The role of consonant/vowel asymmetry*. Presented at the XXIth Biennial International Conference on Infant Studies, Philadelphia, PA.

4. Von Holzen, K., & Bergmann, C. (2017). *Babies know words, even when they are mispronounced: A meta-analytic view*. Presented at the Workshop on Infant Language Development, Bilbao, Spain. https://doi.org/10.6084/m9.figshare.5492464.v1

5. Von Holzen, K., Rider, D., & Nazzi, T. (2017). *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.

6. Von Holzen, K., Nishibayashi, L.-L., & Nazzi, T. (2017). *Neural bases of phonological processing of newly segmented word forms*. Presented at the 2017 Boston University Conference on Language Development, Boston, MA.

7. Von Holzen, K., Fennell, C. T., & Mani, N. (2014). *The cognate facilitation effect in bilingual and monolingual toddlers*. Presented at the XIXth Biennial International Conference on Infant Studies, Berlin, Germany.

8. Von Holzen, K., Wolff, D., & Mani, N. (2013). *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., Kremer, F., & Mani, N. (2013). *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.

10. Von Holzen, K., & Mani, N. (2013). *Native and non-native phoneme perception in bilingual toddlers: A longitudinal study*. Presented at the Workshop on Infant Language Development, San Sebastian, Spain.

11. Von Holzen, K., & Mani, N. (2011). *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.

12. Von Holzen, K., & Mani, N. (2011). *Word-word relationships between languages and across development*. Presented at the 2011 CNS Annual Meeting, San Fransicso, CA.

13. Von Holzen, K., & Mani, N. (2010). *Phonological priming across language borders: No passport required?* Presented at the Donostia Workshop on Neurobilingualsim, Donostia-San Sebastian, Spain.

Teaching and Mentorship

Courses Taught

Seminars

2021-2022	**Wortsegmentierung: Erkenntnisse aus der Psycho- und Neurolinguistik** Masters in Germanistik, TU Dortmund ➤ Average Evaluation: 2,0 (German grading system)
2019-2022	**Einführung in die Sprachwissenschaft (Introduction to Linguistics)** Bachelors in Germanistik, TU Dortmund ➤ Average Evaluation: 1,65 (German grading system)
2019-2021	**Zwei Sprachen, ein Gehirn: Bilingualismus und dessen Konsequenzen (Two Languages, One Mind: Bilingualism and its Consequences)** Masters in Germanistik, TU Dortmund ➤ Average Evaluation: 2,00 (German grading system)
2012	**Language Acquisition and Processing** Bachelors in Germanistik, Georg-August-Universität Göttingen ➤ No evaluation available

Lecture-based Courses

2018	**Should I Buy That? Comparing Media Claims with Scientific Evidence from Brain & Behavior Research** Bachelor students, University of Maryland ➤ Evaluation: 'I learned a lot from this course'- 3.03 (Disagree - 0 to Strongly Agree (4)
2011	**Experimental Methods for Testing Language Comprehension** Bachelors in Germanistik, Georg-August-Universität Göttingen ➤ No evaluation available

Tutorials

I've written a suite of Tutorials available on my website (https://kvonholzen.github.io/Tutorials.html) for creating experiments in Open Sesame, analyzing data in R, working in Praat, and preprocessing EEG/ERP data in EEGlab/ERPlab. I've also created a tutorial for analyzing eyetracking data with R (https://bookdown.org/katie_m_vonholzen/Eyetracking_Statistical_Analysis_Tutorial/)

2021	**Eyetracking Statistical Analysis Tutorial**
	➤ Workshop series with TU Dortmund and TU Braunschweig (https://bookdown.org/katie_m_vonholzen/Eyetracking_Statistical_Analysis_Tutorial/)
2017	**Setting up and analyzing an eye-tracking experiment: From Open Sesame to Eyelink to R**
	➤ Doctoral students, postdoctoral researchers, and faculty, Université Paris Descartes
2017	**Time Course Analysis in R**
	➤ Doctoral students, Research Training Group 2070, Georg-August-Universität Göttingen
2016	**EEG Pre-processing and Analysis Using EEGLAB and ERPLAB**
	➤ Doctoral students, postdoctoral researchers, and faculty, Université Paris Descartes

Students Mentored

Doctoral students

2020-in progress	**Child Foreign Speech Processing**	TU Dortmund
	Marie-Christin Flohr	

Master students

2021-2022	**Auswirkungen kindgerichteter Sprache auf die Merkfähigkeit von Wörtern (The role of child-directed speech on the acquisition of words)**	TU Dortmund
	Julia Heimann	
2021-2022	**Beitet "foreigner-directed speech" einen Vorteil beim lernen? Auswirkung auf den Fremdspracherwerb am Beispiel deutscher Chinesischlerner (Does foreigner-directed speech offer an advantage in learning? An examination of foreign language acquisition in German learners of Chinese)**	TU Dortmund
	Julia Lumpe	
2021	**Der Zusammenhang zwischen dem sozioökonimische Status, der Häufigkeit des Vokabelinputs und dem Wortschatz von bilingualen Kindern (The relationship between SES, input frequency, and vocabulary in bilingual children)**	TU Dortmund
	Antonia Gutland	
2021	**Von Boomer zum Digital Native: Wie der Einfluss fremdsprachlicher Elemente der Jugendsprache in den sozialen Medien die Sprachverarbeitung beeinflusst (From Boomer to Digital Native: How foreign language elements of German youth slang in social media influence language processing)**	TU Dortmund
	Franziska Schlage	
2020	**The Difference in the Vocabulary Size of Children with and without Down Syndrome: A Meta-Analysis**	TU Dortmund
	Judith Boveleth	
2012	**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)**	Georg-August-Universität Göttingen
	Deborah Wolff	

Bachelor students

2022-in progress	**Erweiterung einer Studie von Golinkoff & Alioto (1995) zur Rolle akustisch-prosodischer Sprachmodifikationen im Prozess des fremdsprachlichen Wortlernens (Extention of Golinkoff & Alioto (1995) on the role of acoustic-prosodic speech modifications on word learning in a foreign language)**	TU Dortmund
	Lea Pauls	
2021	**Das Vereinfachen der Wortsegmentation bei Zweitsprachlernende: Eine Neigung zur kindgerechten und/oder erwachsenengerechten Sprechweise (The facilitation of L2 word segmentation: The role of infant- and adult-directed speech)**	TU Dortmund
	Hicran Tekin	

2021	**Einfluss des Zweitsprachniveaus auf den Erwerb ihrer Phonotaktik (The Influence of L2 proficiency on L2 phonotactic acquisition)** TU Dortmund
	Victoria Harnischmacher

2021 **Mehrsprachigkeit im Schulalltag: Inwiefern beziehen Lehrkräfte die Erstsprache von Schülerinnen und Schülern im deutsch-sprachigen (Fach-)Unterricht mit ein? (Multilingualism in schools: To what extent do teachers use students' L1 in the classroom?)** TU Dortmund
Maren Wilhelm

2020 **Phonotaktische Segmentierung der L2 – Wie wirken L1-Merkmale deutscher Muttersprachler auf die Segmentierung des Sprachflusses und die Worterkennung in der L2 Englisch ein?. (Phonotactic segmentation in the L2: How do L1 characteristics influence the segmentation and word recognition of the the L2 English speech stream in L1 German learners)** TU Dortmund
Nina Schuster

2013 **Associating a language with a speaker: Bilingual production is influenced by speaker language** Georg-August-Universität Göttingen
Fabienne Kremer

Internships and project assistantships

2018-2019 **A fast note about slow rate in IDS: Maternal speech rate to preverbal infants facilitates early language development** University of Maryland
Sara Cusick, Mary Murphy, Kayla Whitlock, Jennifer Zuhl, Julia Grable, Alexia Proctor

2018-2019 **Utterance alignment of a large, longitudinal corpus in CLAN/CHAT** University of Maryland
Heather Wibberley, Taylor Trent, Jillian Doherty, Maggie Roman, Dominique Jenkins, Jessica Mooney

2017 **French-learning infants' adaptation to a novel accent: The role of consonant/vowel asymmetry** Université Paris Descartes
Rosalie Delille

2014-2017 **Consonant and vowel processing in word form segmentation: An infant ERP study** Université Paris Descartes
Sofia Carrion, Elisa Moulin, Jeanne Charoy, Marion Lafargue

2014-2016 **Emergence of the C-bias during the first year of life: New evidence from own name recognition** Université Paris Descartes
Safyya Larinouna, Henry Cheng

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; Launching experiments online; Used to promote Open Science practices

Presentation **Intermediate expertise (lapsed)**
Designing experiments, including EEG experiments

Eprime **Beginner expertise**
Designing experiments, including EEG experiments

Statistical/Data Analysis Experience

R **Proficient expertise**
Advising colleagues on statistical analysis, data wrangling; Conducting tutorials; 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 (lapsed)**
	ANOVA analyses

Service

Institutional Service

2022-present	**Leadership Board ManyBabies-AtHome**
2021-present	**Consulting Editor at the Journal Child Development**
2021-present	**Manager of the Looking-While-Listening sub-project of ManyBabies-AtHome**
2020-present	**Executive Board Member of the Department for Language, Literature, and Culture**
	TU Dortmund
2019	**Member of the Cultural and Linguistic Diversity Committee**
	University of Maryland
2018	**Panel judge for Graduate Research Appreciation Day**
	University of Maryland
2014-2017	**Co-founder and organizer, Parisian BabyLab Meetings (PaBaLa)**
	Université Paris Descartes
2014-2016	**Co-Chair, Student and Post-doc Talks (SPOT)**
	Université Paris Descartes

Professional Service

For a complete record of my peer-review service, view my Publons Peer Review Profile (https://publons.com/researcher/1230020/katie-von-holzen/peer-review/)

Professional Memberships

2022 - present	**Member of the German Psychological Society**
2019 - present	**Member of the Deutscher Hochschulverband**
2017 - present	**Member of the National Postdoctoral Association (USA)**
2012 - present	**Member of Women in Cognitive Science (WICS)**

Languages

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

Community Involvement/Outreach

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