Katie Von Holzen
Akademische Rätin

Curriculum Vitae
December 2019

📍 Lehrstuhl Linguistik des Deutschen, Technische Universität Dortmund
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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

2019-present	**Akademische Rätin (Senior Postdoctoral Researcher)**	Supervisor: 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	
2009	**Summer Research Intern**	Supervisor: Prof. Todd Heatherton
	Dartmouth College, USA	

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 Unpublished doctoral dissertation.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

1. Bobb, SC, LY Drummond Nauck, N Altvater-Mackensen, K Von Holzen, and N Mani (2016). "Listening with your co-hort: Do bilingual toddlers co-activate cohorts from both languages when hearing words in one language alone?" In: *Cognitive Control and Consequences of Multilingualism*. John Benjamins Publishing Company, pp.47–69.

Peer-Reviewed Conference Proceedings

1. Von Holzen, K and C Bergmann (2018). A meta-analysis of infants' mispronunciation sensitivity development. In: *Proceedings of the 40th Annual Conference of the Cognitive Science SocietyScience 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 (2018). *Infant Mispronunciation Sensitivity (InMisSens) Meta-Analysis - Cognitive Science Society Submission*. Charlottesville, VA. osf.io/nvc8m.

Manuscripts accepted for publication

1. ManyBabies Consortium (accepted). Quantifying sources of variability in infancy research using the infant-directed speech preference. *Advances in Methods and Practices in Psychological Science*.
2. Raneri, D, K Von Holzen, R Newman, and N Bernstein Ratner (accepted). Change in maternal speech rate to prever-bal infants over the first two years of life. *Journal of Child Language*.

Manuscripts under revision or review

1. 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".
2. O'Fallon, MK, K Von Holzen, and RS Newman (in revision). "Preschoolers? word-learning during shared storybook reading interactions".
3. Newman, RS, LA Kirby, K Von Holzen, and E Redcay (in preparation, manuscript finalization). "Read my lips! Perception of speech in noise by preschool children with autism and the advantage of watching the speaker?s face."
4. Von Holzen, K and C Bergmann (in preparation, manuscript finalization). "The development of infants' responses to mispronunciations: A Meta-Analysis."
5. Bobb, SC, J Mayor, K Von Holzen, N Mani, and M Carreiras (accepted). "Co-activation of L2 lexical items during L1 auditory processing in an ERP cross-modal priming paradigm."

Grants

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

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). *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). *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 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. 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 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). *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). *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). *A meta-analysis of mispronunciation sensitivity in infancy*. Presented at the XXIth 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 XXIth 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 Fransicso, CA.

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

Teaching and Mentorship

Courses Taught
Lecture-based Courses

2018	**Should I Buy That? Comparing Media Claims with Scientific Evidence from Brain & Behavior Research**
	➤ Bachelor students
	➤ Department of Hearing and Speech Sciences
	➤ University of Maryland
2011	**Experimental Methods for Testing Language Comprehension**
	➤ Bachelor students
	➤ German Department
	➤ Georg-August-Universität Göttingen

Seminars

2012	**Language Acquisition and Processing**
	➤ Bachelor students
	➤ German Department
	➤ Georg-August-Universität Göttingen

Tutorials

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

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, Agniezska 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

R

➤ 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

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

Université Paris Descartes

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

View my Publons Peer Review Profile

- ➤ 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

- ➤ International Association for the Study of Child Language (IASCL) Conference (2020), Philadelphia, PA, USA
- ➤ 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

2019-	**Member of the Deutscher Hochschulverband**
2018-	**Member of the International Congress on Infant Studies**
2017-	**Member of the National Postdoctoral Association (USA)**
2012-	**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