

# DR. PHIL. ELINA RUBERTUS

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\* 01.06.1990 in Siegen  
Married, two children (\*2018, \*2021)

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## EDUCATION

- 10/2025 – 11/2025: OpenHPI course “Python for Beginners” (completion: 98,7% of the maximal points)
- 09/2024 – 03/2025: Certified qualification program Research Management & Leadership (Potsdam Graduate School)
- 03/2024: Completion of promotion process in cognitive science. Title of dissertation: “Coarticulatory changes across childhood – implications for speech motor and phonological development”. Grade: summa cum laude
- 10/2015 – 03/2023: PhD student at the Faculty of Human Sciences at University of Potsdam, cognitive sciences/linguistics
- 08/2020 – 05/2021: Certified qualification program Science Communication (Potsdam Graduate School)
- 04/2014 – 09/2015: M.Sc. International Program of Experimental and Clinical Linguistics, University of Potsdam. Final certificate: Master of Science (grade: 1.0). Thesis: “Speech planning in preschoolers’ picture naming”
- 10/2013 – 03/2014: M.A. Linguistics, Humboldt-University of Berlin
- 10/2010 – 09/2013: B.Sc. Allgemeine Theoretische Linguistik (General Linguistics), University of Potsdam. Final certificate: Bachelor of Science (grade: 1.3). Thesis: “The effect of syllable structure and phonological competition in English-speaking children”

## SCIENTIFIC WORK

- Since 06/2025: Research associate: Forschungsbereich 1 Laboratory Phonology at Leibniz-Zentrum Allgemeine Sprachwissenschaft and ANR/DFG-funded project VOC2SPEAK – an integrative-interactive approach to language development

- 01/2023 – 05/2025: Research associate: DFG-project “Crossing the borders: the interplay of language, cognition, and the brain in early human development” at the Linguistics department, University of Potsdam (Prof. Dr. Barbara Höhle) – project-related work and conference organization
- 09/2020 – 12/2022: Research assistant: Linguistics department, University of Potsdam (Prof. Dr. Barbara Höhle, Dr. Aude Noiray) – Experimental work in collaboration with the University’s BabyLAB
- 04/2021 – 08/2022: Maternity & parental leave
- 10/2015 – 03/2020: Research associate: Linguistics department, University of Potsdam, chair of Prof. Dr. Barbara Höhle: Psycholinguistics, focus on Language Acquisition – Research and teaching
- 01/2018 – 09/2019: Maternity & parental leave; Part-time work 09/2018 – 09/2019
- 06/2015 – 01/2018: Coordinator of LOLA, the Laboratory for Oral Language Acquisition at University of Potsdam
- 02/2017 – 04/2017: Research stay at University of Southern California (Los Angeles, USA) to collaborate with Prof. Dr. Louis Goldstein and his groups – Focus on real-time MRI recordings of child speech
- 10/2014 – 03/2015: Internship in Prof. Dr. Adamantios Gafos’ SpeechLab at University of Potsdam – Experiment design
- 11/2013 – 09/2015: Research assistant: Linguistics department, University of Potsdam (Prof. Dr. Barbara Höhle, Dr. Aude Noiray) – Experimental work in collaboration with the University’s BabyLAB
- 10/2011 – 09/2013: Student assistant: Sonderforschungsbereich 632, University of Potsdam (PD Dr. Frank Kügler) – Project-related work on tonal structure

## TEACHING & STUDENT SUPERVISION EXPERIENCE

- 11/2024 – 12/2024: Signal Processing, seminar for bachelor’s programs General Linguistics and Computational Linguistics, University of Potsdam (temporary sickness cover)
- 04/2023 – 09/2023: Introduction to Language Acquisition, seminar for bachelor’s programs German Linguistics and German, Humboldt University of Berlin (summer semester 2023)
- 10/2015 – 03/2020: Introduction to Language Acquisition, lecture for bachelor’s programs General Linguistics and Computational Linguistics, University of Potsdam (winter semesters 2015, 2016, 2017, 2018, 2019)

Speech Production in First Language Acquisition, seminar for bachelor's programs General Linguistics and Computational Linguistics, University of Potsdam (summer semesters 2016, 2017)

- 2017:
- Bachelor's thesis Gwendolyn Kaiser (University of Potsdam): "Perception of coarticulation in adult and child speech"
- Bachelor's thesis Ida Berbig (University of Potsdam): "Gebärdenunterstützte Kommunikation als Mittel zur Frühförderung der Sprachentwicklung bei Kindern mit Down-Syndrom" [Sign-assisted communication as an early intervention tool for language acquisition in children with Down's syndrome]

## PUBLICATIONS

- Accepted (12/2025): Fuchs, S., **Rubertus, E.**, Koenig, L. L., & Noiray, A. (accepted). Towards a fuller integration of respiratory rhythms into research on infant vocal and motor development. *Annals of the New York Academy of Science*. Preprint DOI: 10.13140/RG.2.2.29873.85608
- 07/2025: **Rubertus, E.**, Popescu, A., & Noiray, A (2025). Seriality in word reading: Kinematic insights into beginning and proficient readers. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. DOI: 10.1037/xlm0001513
- 06/2024: **Rubertus, E.**, Popescu, A., & Noiray, A. (2024). Ultrasound imaging can track subtle reading disfluencies: Insights from reading children and adults. In I Wilson, A. Mizoguchi, J. Perkins, J. Villegas, & N. Yamane (Eds.), *Ultrafest XI: Extended Abstracts* (pp.151-154). University of Aizu. DOI: DOI: 10.5281/zenodo.12578650
- 06/2024: Popescu, A., **Rubertus, E.**, & Noiray, A. (2024). Variation in the temporal extent of anticipatory coarticulation across three speech modalities in children: an ultrasound study. In I Wilson, A. Mizoguchi, J. Perkins, J. Villegas, & N. Yamane (Eds.), *Ultrafest XI: Extended Abstracts* (pp. 136-139). University of Aizu. DOI: 10.5281/zenodo.12578650
- 05/2024: **Rubertus, E.** & Noiray, A. (2024). Children's coarticulation patterns as a window to the phonology-phonetics interface. *Proc. ISSP 2024 – 13<sup>th</sup> International Seminar on Speech Production*, 43-46.
- 03/2024: **Rubertus, E.** (2024). *Coarticulatory changes across childhood – implications for speech motor and phonological development*. (Doctoral dissertation). University of Potsdam. DOI: 10.25932/publishup-63012
- 10/2020: Noiray, A., Ries, J., Tiede, M., **Rubertus, E.**, Laporte, C., & Ménard, L. (2020). Recording and analyzing kinematic data in children and

- adults with SOLLAR: Sonographic & Optical Linguo-Labial Articulation Recording system. *Journal of Laboratory Phonology*, 11(1), 14. DOI: 10.5334/labphon.241
- 06/2020: **Rubertus, E.** & Noiray, A. (2020). Vocalic activation width decreases across childhood – evidence from carryover coarticulation. *Journal of Laboratory Phonology*, 11(1), 7. DOI: 10.5334/labphon.228
- 12/2019: Noiray, A., Popescu, A., Killmer, H., **Rubertus, E.**, Krüger, S., & Hintermeier, L. (2019). Spoken language development and the challenge of skill integration. *Frontiers in Psychology*, 10, 2777. DOI: 10.3389/fpsyg.2019.02777
- 08/2019: Noiray, A., Wieling, M., Abakarova, D., **Rubertus, E.**, & Tiede, M. (2019). Back from the future: nonlinear anticipation in adults' and children's speech. *Journal of Speech, Language, and Hearing Research* 62(8S), 3033-3054. DOI: 10.1044/2019\_JSLHR-S-CSMC7-18-0208
- 09/2018: **Rubertus, E.**, & Noiray, A. (2018). On the development of gestural organization: A cross-sectional study of vowel-to-vowel anticipatory coarticulation. *PLoS one*, 13(9), e0203562. DOI: DOI: 10.1371/journal.pone.0203562
- 06/2018: Noiray, A., Abakarova, D., **Rubertus, E.**, Krüger, S., & Tiede, M. (2018). How do children organize their speech in the first years of life? Insight from ultrasound imaging. *Journal of Speech, Language, and Hearing Research*, 61(6), 1355-1368. DOI: 10.1044/2018\_JSLHR-S-17-0148

## PRESENTATIONS

- 01/2025: Invited Talk, Prof. Dr. Nicole Altvater-Mackensen (University of Mannheim): "Speech in motion: What children's coarticulation patterns teach us about development"
- 10/2024: Talk, Language Acquisition Colloquium (University of Potsdam): "Crossing the borders: PZ database – Aim, status, and next steps"
- 06/2024: Poster presentation at Ultrafest XI, Aizu (JP) Online-format: "Ultrasound imaging can track subtle reading disfluencies: Insights from reading children and adults"
- 05/2024: Conference talk at the 13<sup>th</sup> ISSP, Autrans (FR): "Children's coarticulation patterns as a window to the phonology-phonetics interface"

- 05/2024: Conference talk at the 45<sup>th</sup> International Child Phonology Conference, Lafayette (US) Online-format: “Investigating phonological development via monitoring children’s tongue motion”
- 06/2022: Poster presentation at LabPhon18, Online-format: “Children anticipate vowels earlier in repeated than in read aloud speech”
- 12/2020: Poster presentations at 12<sup>th</sup> ISSP, Providence (US) Online-format: “Anticipatory and carryover coarticulation share a similar origin: evidence from child speech”
- 12/2020: Poster presentation at 12<sup>th</sup> ISSP, Providence (US) Online-format: “Development of coarticulation: comparing modalities in beginner readers”
- 07/2017: Conference talk at the 7<sup>th</sup> International conference of Speech Motor Control, Groningen (NL): “The Role of Tongue Control Maturation for V-to-V Coarticulation”
- 06/2017: Poster presentation at PaPE 2017, Cologne (DE): “Comparing Coarticulatory Directions in Child Speech”
- 05/2017: Poster presentation at the IPS Workshop Abstraction, Diversity, and Speech Dynamics, Herrsching am Ammersee (DE): “V-to-V Coarticulation Direction in Children and Adults: An Ultrasound Study”
- 03/2017: Invited talk at the SPAN meeting (University of Southern California), Los Angeles (US): “V-to-V Coarticulation Development in German Children: An Ultrasound Study”
- 01/2017: Conference talk at the 5<sup>th</sup> International Winter School on Speech Perception and Production, Chorin (DE): “Anticipatory V-to-V Coarticulation in German Children and Adults: An Ultrasound Study”
- 10/2016: Conference talk at P&P 12, Munich (DE): “Anticipatory V-to-V Coarticulation in German Preschoolers”
- 12/2015: Poster presentation at Ultrafest VII, Hong Kong (HK): “Development of Coarticulation in German Children: Articulatory Locus Equations”
- 06/2015: Poster presentation at WILD 2015, Stockholm (SE): “Speech planning in preschoolers’ picture naming”

## STIPENDS & AWARDS

- 12/2025: Paper of the Month Award of the Research Focus Cognitive Science at University of Potsdam (July: Rubertus, E., Popescu, A., & Noiray, A (2025). Seriality in word reading: Kinematic insights into beginning and proficient readers. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. DOI: 10.1037/xlm0001513)

- 06/2025: Award for the year's best graduates of the Faculty of Human Sciences at University of Potsdam
- 03/2024: Travelling grant of the Faculty of Human Sciences at University of Potsdam for traveling to the 13<sup>th</sup> ISSP in May 2024
- 12/2020: Award for outstanding student presentations, 12<sup>th</sup> ISSP, 2<sup>nd</sup> place
- 04/2020 – 12/2020: PhD scholarship of the Potsdam Graduate School
- 06/2017: Student Award of the International Phonetic Association (IPA) for presenting at PaPE 2017, Cologne
- 02/2017: Travelling grant of the German Academic Exchange Service (DAAD) for giving a talk at University of Southern California
- 02/2017: Travelling grant of the Faculty of Human Sciences at University of Potsdam for a research stay at University of Southern California
- 07/2016: Award for the year's best graduates of the Faculty of Human Sciences at University of Potsdam
- 12/2015: Student Support Award for presenting at Ultrafest VII, Hong Kong

## SERVICE AND PUBLIC RELATIONS

- 09/2025: Interactive Lecture at KinderUni Potsdam [University day for children]
- Since 03/2025: Coordination of outreach project supporting kindergarten children with poor German language skills (<https://www.uni-potsdam.de/de/sprachpaten/>)
- 10/2023: Primarily responsible organization of the final conference of the DFG-project "Crossing the borders: the interplay of language, cognition, and the brain in early human development", University of Potsdam
- 05/2023: Interactive presentations, Potsdamer Tag der Wissenschaften [Science Day Potsdam]
- 04/2021: Video project to promote public awareness for developmental language disorders: <https://youtu.be/7y9grhzLrug> [in German]
- 07/2019 – 02/2020: Organization of the weekly research colloquium of the language acquisition group, University of Potsdam
- 05/2019: Interactive presentations, Potsdamer Tag der Wissenschaften [Science Day Potsdam]
- 2018: Co-organization summer school ISOLDE III, University of Potsdam
- 2017: Co-organization conference Ultrafest VIII, University of Potsdam