

# DR. PHIL. ELINA RUBERTUS

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

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## EDUCATION

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| 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

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| Since 01/2026: | Associated Researcher: CRC 1287 at University of Potsdam, Project T03: Variability in speech input as a tool in language support and therapy for young children (Prof. Dr. Barbara Höhle, Prof. Dr. Adamantios Gafos, Prof. Dr. Jan Lonnemann) |
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- 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 (Dr. Susanne Fuchs)
- 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)
- 04/2016 – 09/2017: 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"
- 2017: 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

- 02/2026: Fuchs, S., **Rubertus, E.**, Koenig, L. L., & Noiray, A. (2026). Toward a fuller integration of respiratory rhythms into research on infant vocal and motor development. *Annals of the New York Academy of Sciences* 1556, no. 1 (2026): e70197. DOI: 10.1111/nyas.70197
- 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: 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: 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's group (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

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| 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. <i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i> . 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   |

## SCIENTIFIC COMMUNITY SERVICE AND PUBLIC RELATIONS

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|----------------|--|
| 2026:          | Reviewing: <i>Journal of Motor Behavior</i> (1), <i>Cadernos de Linguística</i> (1)  |
| 09/2025:       | Interactive Lecture at KinderUni Potsdam [University day for children]   |
| 07/2025:       | Podcast episode "PhD in Psycholinguistics" in the series "Wege in den Beruf" [Career paths], University of Potsdam's Career Service: <a href="https://open.spotify.com/episode/2UMVIBpafAJMX1MMwJn6uV">https://open.spotify.com/episode/2UMVIBpafAJMX1MMwJn6uV</a> [in German] |
| Since 07/2025: | Co-organization of the monthly institutes meeting with talk series (BrownBagLunch), ZAS  |
| Since 03/2025: | Coordination of outreach project supporting kindergarten children with poor German language skills ( <a href="https://www.uni-potsdam.de/de/sprachpaten/">https://www.uni-potsdam.de/de/sprachpaten/</a> )   |

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- 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
- 2015: Member of the commission in the habilitation procedure of J. Festman, University of Potsdam