

DR. PHIL. ELINA RUBERTUS

* 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 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 |
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| 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

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| 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 – 13th 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 13th ISSP, Autrans (FR): "Children's coarticulation patterns as a window to the phonology-phonetics interface"

- 05/2024: Conference talk at the 45th 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 12th ISSP, Providence (US) Online-format: "Anticipatory and carryover coarticulation share a similar origin: evidence from child speech"
- 12/2020: Poster presentation at 12th ISSP, Providence (US) Online-format: "Development of coarticulation: comparing modalities in beginner readers"
- 07/2017: Conference talk at the 7th 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 5th 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)

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| 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 th ISSP in May 2024 |
| 12/2020: | Award for outstanding student presentations, 12 th ISSP, 2 nd 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

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| 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 |