Giulio Severijnen, PhD

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🌐 https://giuliosever.github.io

Employment

2024 – current	**Postdoctoral researcher,** International School for Advanced Studies (SISSA), Trieste, Italy PI: Prof. Dr. Davide Crepaldi Topics: Statisical learning; Neural substrates of reading

Education

2020 – 2024	**Ph.D., Psycholinguistics (cum laude)**, Donders Institute for Brain, Cognition, and Behaviour, Radboud University Nijmegen, The Netherlands Thesis title: *A blessing in disguise: How prosodic variability challenges but also aids successful speech perception* Promotor: Prof. Dr. J.M McQueen, Supervisors: Dr. H.R. Bosker & Dr. A.G. Lewis
2018 – 2020	**M.Sc. Cognitive Neuroscience (cum laude),** Radoud University Nijmegen, The Netherlands Thesis title: *The role of talker-specific prosody in predictive speech perception* Supervised by: Dr. H.R. Bosker, Dr. V. Piai, & Prof. Dr. J.M. McQueen
2013 – 2017	**B.Sc. Psychology,** Radboud University Nijmegen, The Netherlands Thesis title: *Incidental learning of a new language: The influence of attention and multilingualism* Supervised by: Prof. Dr. K.M. Lemhöfer

Academic Experience

2019 – 2020	**Research intern,** Donders Institute for Brain, Cognition, and Behaviour & Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands Topics: Perceptual learning; Speech perception; EEG Supervisors: Dr. H.R. Bosker, Dr. V. Piai, & Prof. Dr. J.M. McQueen
2018 – 2020	**Student Assistant,** Donders Institute for Brain, Cognition, and Behaviour, Nijmegen, The Netherlands Topics: Multilingualism; Idiomatic L2 processing; Computational modeling of multilingual speech processing Supervised by: Prof. Dr. A.F.J. Dijkstra
2018 – 2019	**Research intern,** Radboud University Nijmegen, The Netherlands Topics: Error-based phonological learning; cross-language odor-color associations Supervised by: Dr. M.E. Broersma; Dr. Laura Speed
2017 – 2018	**Student Assistant,** Donders Institute for Brain, Cognition, and Behaviour, Nijmegen, The Netherlands Topics: Bilingualism; L2 language attrition Supervised by: Prof. Dr. K.M. Lemhöfer

Research Publications

1. Henry, M. J., Obleser, J., Crusey, M. R., Fuller, E. R., Lee, Y. S., Meyer, M., Acosta, E. A. M., Van Hedger, S. C., Inbar, M., Oderbolz, C., Dunham, S. A., Anankul, Y., Sabo, L. E., Keitel, C., Maddox, R. K., Mehl, K., Aslan, G., Martens, P. A., Sauppe, S., Horovitz, M., Kinghorn, E. E., Koukouvinis, S., Bosker, H. R., Huviyetli, M., Leung, C., Symons, A. E., Strauß, A., Chait, M., Hu, M., Eulitz, C., Salagovic, C. A., Davis, C., **Severijnen, G. G. A.**, Kosachenko, A. I., Alain, C., Kim, J., Grahn, J. A., Sidhu, R. K., Megighian, C., Butler, B. E., Sears, D. R. W., Herrmann, B., Griffiths, M. L., Landau, A. N., Razin, R., Grassi, M., Levitsky, A., Holt, L. L., Belfi, A. M., Stewart, H. J., Shinn-Cunningham, B. G., Gomez, C., Brookes, F., Smith, E. D., Axler, E., Bakardjian, K., Hochstrasser, D., Guiotto Nai Fovino, L., Tune, S., Pavlov, Y. G., Lee, K. A., Xavier, A. G., Keitel, A., Rogers, C. S., Maltseva, A., Strauss, J. L., Lodol, F. F., Arsiwala, N., & Peelle, J. E. (2025). How strong is the rhythm of perception? A registered replication of Hickok *et al* . (2015). *Royal Society Open Science*, *12*(6), 220497. � https://doi.org/10.1098/rsos.220497

2. **Severijnen**, G. G. A. (2025). *A blessing in disguise: How prosodic variability challenges but also aids succesful speech perception.* � https://repository.ubn.ru.nl/handle/2066/315703

3. **Severijnen**, G. G. A., Bosker, H. R., & McQueen, J. M. (2025). Is rate-dependent perception affected by linguistic information about the intended syllable rate? *Psychonomic Bulletin & Review*. � https://doi.org/10.3758/s13423-025-02746-x

4. **Severijnen**, G. G. A., Bosker, H. R., & McQueen, J. M. (2024). Your "VOORnaam" is not my "VOORnaam": An acoustic analysis of individual talker differences in word stress in Dutch. *Journal of Phonetics*, *103*, 101296. � https://doi.org/10.1016/j.wocn.2024.101296

5. **Severijnen**, G. G. A., Gärtner, V. M., Walther, R. F., & McQueen, J. M. (2024). Talker-specific perceptual learning about lexical stress: Stability over time. *Speech Prosody 2024*, 657–661. �8 https://doi.org/10.21437/SpeechProsody.2024-133

6. **Severijnen**, G. G. A., Bosker, H. R., & McQueen, J. M. (2023). Syllable rate drives rate normalization, but is not the only factor. In R. Skarnitzl & J. Violín (Eds.), *Proceedings of the 20th International Congress of the Phonetic Sciences (ICPhS 2023)* (pp. 32–36).

7. **Severijnen**, G. G. A., Di Dona, G., Bosker, H. R., & McQueen, J. M. (2023). Tracking talker-specific cues to lexical stress: Evidence from perceptual learning. *Journal of Experimental Psychology: Human Perception and Performance*, *49*(4), 549–565. � https://doi.org/10.1037/xhp0001105

8. Muntendam, A., Van Rijswijk, R., **Severijnen**, G., & Dijkstra, T. (2022). The role of stress position in bilingual auditory word recognition: Cognate processing in Turkish and Dutch. *Bilingualism: Language and Cognition*, *25*(4), 679–690. � https://doi.org/10.1017/S1366728922000037

9. **Severijnen**, G., Bosker, H. R., & McQueen, J. (2022). Acoustic correlates of Dutch lexical stress re-examined: Spectral tilt is not always more reliable than intensity. In S. Frota, M. Cruz, & M. Vigário (Eds.), *Proceedings of Speech Prosody 2022* (pp. 278–282). �8 https://doi.org/10.21437/SpeechProsody.2022-57

10. **Severijnen**, G. G. A., Bosker, H. R., Piai, V., & McQueen, J. M. (2021). Listeners track talker-specific prosody to deal with talker-variability. *Brain Research*, *1769*. � https://doi.org/10.1016/j.brainres.2021.147605

Talks and presentations

Invited talks

1. **Severijnen**, G. G. A. (2024). *Prosodic variability not only challenges, but also contributes to successful speech perception.* Department of Linguistics, Potsdam, [Department of Linguistics, Potsdam. Invited by Prof. Dr. Isabell Wartenburger].

2. **Severijnen**, G. G. A. (2024). *Prosodic variability, friend or foe?* MPI for Psycholinguistics, [MPI for Psycholinguistics introduction day, invited by dr. Kevin Lam].

3 Severijnen, G. G. A., & Di Dona, G. (2021). *Listeners deal with prosodic talker variability through perceptual learning.* Online meeting, University of Rochester, [Open lab meeting on talker variability, University of Rochester. Invited by dr. Chigusa Kurumada].

Conference talks and poster presentations

1 Severijnen, G. G. A., & Crepaldi, D. (2025). *A unified mechanism of statistical learning? Evidence from cross-modal integration during learning.* Sheffield, UK, 24th Biennial Conference of the European Society for Cognitive Psychology (ESCOP 2025), [Oral presentation].

2 Severijnen, G. G. A., Gärtner, V., Walther, R., & McQueen, J. M. (2024). *Perceptual learning about lexical stress: Stability over time.* Leiden, The Netherlands, 12th International Conference on Speech Prosody (Speech Prosody 2024), [Oral presentation].

3 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2023). *Individual differences in lexical stress in Dutch: An examination of cue weighting in production.* Nijmegen, The Netherlands, Phonetics and Phonology in Europe 2023 (PaPe 2023), [Oral presentation].

4 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2023). *Listeners prioritize acoustic information over orthographic information in rate normalization.* Donostia-San Sebastián, Spain, Architectures and Mechanisms for Language Processing (AMLaP) 2023, [Poster].

5 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2023). *Syllable rate drives rate normalization, but is not the only factor.* Prague, Czech Republic, 20th International Congress of the Phonetic Sciences (ICPhS 2023), [Poster].

6 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2022). *Acoustic correlates of Dutch lexical stress re-examined: Spectral tilt is not always more reliable than intensity.* Lisbon, Portugal, 11th International Conference on Speech Prosody (Speech Prosody 2022), [Oral presentation].

7 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2022). *How do "VOORnaam" and "voorNAAM" differ between talkers? A corpus analysis of individual talker differences in lexical stress in Dutch.* Virtual meeting, 18th Conference on Laboratory Phonology (LabPhon18), [Poster].

8 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2021). *Jouw "voornaam" is niet mijn "voornaam": An acoustic analysis of individual talker differences in producing lexical stress in Dutch.* Virtual meeting, Dag van de Fonetiek 2021, [Oral presentation].

9 Severijnen, G. G. A., Bosker, H. R., & McQueen, J. M. (2021). *Listeners deal with prosodic talker variability through perceptual learning.* Virtual meeting, 62nd Annual Meeting of the Psychonomic Society, [Poster].

10 Severijnen, G. G. A., Bosker, H. R., Piai, V., & McQueen, J. M. (2020). *The role of talker-specific prosody in predictive speech perception.* Virtual meeting, 26th Architectures and Mechanisms for Language Processing Conference (AMLaP 2020), [Poster].

11 Severijnen, G. G. A., Bosker, H. R., Piai, V., & McQueen, J. M. (2020). *The role of talker-specific prosody in predictive speech perception.* Virtual meeting, Dag van de Fonetiek 2020, [Oral presentation].

Teaching Experience

2025 – current   🔖 **Supervision MSc Erasmus+ student,** International School for Advanced Studies & Donders Institute for Brain, Cognition, and Behaviour

2024 – current   🔖 **Supervision MSc student,** Radboud University Nijmegen

Teaching Experience (continued)

2023	🔖	**Obtained university teaching qualification (UTQ)** at Radboud University Nijmegen
2022 – 2023	🔖	**Supervision of BSc Honours students,** Radboud University Nijmegen
	🔖	**Lecturer, Bachelor Linguistics,** Radboud University Nijmegen
2021 – 2023	🔖	**Seminar teacher, Bachelor Linguistics,** Radboud University Nijmegen
2020 – 2023	🔖	**Seminar teacher, Bachelor Psychology,** Radboud University Nijmegen
2020 – 2021	🔖	**Supervision MSc student,** Radboud University Nijmegen

Courses and workshops

2025	🔖	**Summer School on Advanced Bayesian Statistics,** Statistical Methods for Linguistics and Psychology, University of Potsdam, Germany
2021 – 2023	🔖	**Courses on teaching and supervision in higher education,** Radboud University Nijmegen
2022	🔖	**Advanced MEG/EEG toolkit,** Donders Institute for Brain, Cognition, and Behaviour, Nijmegen
2021 – 2022	🔖	**Courses on presentation and illustration skills,** Radboud University Nijmegen
2021	🔖	**Course on open science,** Radboud University Nijmegen
	🔖	**Course on scientific writing,** Radboud University Nijmegen
	🔖	**Course on project management,** Radboud University Nijmegen

Additional Experience

Conference organization

2022-2023	🔖	**Junior organization committee GESPIN conference,** Max Planck Institute for Psycholinguistics, Nijmegen
2022	🔖	**Conference organization committee IMPRS conference,** Max Planck Institute for Psycholinguistics, Nijmegen

Ad-hoc reviewer activity

2020-present	🔖	**Journal reviewer** (in square brackets the number of reviewed papers): *Behaviour Research Methods [1]; Journal of the Acoustical Society of America; Journal of Experimental Psychology: Learning, Memory, and Cognition [2]; Nature Communications [1], Psychonomic Bulletin & Review [1]; Psychological Research [1], The Journal of the Acoustsical Society of America [2]*
2022-present	🔖	**Conference submission reviewer** for *GeSPiN 2023, CogSci 2024, CogSci 2025*

Additional Experience (continued)

Outreach and institutional involvement

2025	🚩 **Trieste Next**, Trieste, Italy
2024-current	🚩 **SISSA for schools volunteer**, SISSA, Trieste, Italy
2020-2024	🚩 **Lab committee member,** Donders Institute for Brain, Cognition, and Behaviour, Nijmegen
2019	🚩 **Demo at 'talenfestival Drongo',** Nijmegen, The Netherlands

Skills

Research methods	🚩 Behavioural experiments (speech perception and speech production), EEG, MEG, fMRI
Experiment programming	🚩 Neurobs Presentation, Python/Psychopy, Psychtoolbox, Gorilla, JsPsych
Data analysis	🚩 R, MATLAB, Fieldtrip toolbox, BrainVision Analyzer, SPM
Speech editing	🚩 Praat

References

Available on Request