

Dr. Sandrien van Ommen

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GENERAL

Date of birth 13-08-1985
Nationality Dutch
Languages ☐ Dutch (Native; ILR 5)
☐ English (ILR 4)
☐ Italian (ILR 2)
☐ French (ILR 2)
☐ German (ILR 2)

EDUCATION

PhD

1 February 2011 - 4 March 2016

Department Utrecht Institute of Linguistics OTS

University Utrecht University

Supervisors Prof. Dr. R.W.J. Kager, Prof. Dr. W. Zonneveld

Thesis Listen to the beat - A cross-linguistic perspective on the use of stress in segmentation (Published by LOT)

Master (Cum Laude)

1 September 2007 - 30 September 2010

Program Research Master Neurolinguistics and models of grammar

University Rijksuniversiteit Groningen

Supervisors Dr. D.G. Gilbers, Prof. Dr. P. Hendriks, Dr. Charlotte Gooskens

Thesis Lenition and the asymmetry in mutual intelligibility of Danish and Swedish (Published in Lingua)

Bachelor

1 September 2004 - 31 March 2008

Program General Linguistics

University Rijksuniversiteit Groningen

Supervisors Dr. D.G. Gilbers, Prof. Dr. J. Hoeksema

Thesis Heeeeele lange vocalen - een onderzoek naar emphatische rekking (Published in TAalkundig Bulletin)

EXPERIENCE

Assistant Professor

1 March 2022 - Present

Department of Fundamental Neurosciences, University of Geneva

Geneva, Switzerland

Project Temporal Hierarchies; The prosodic word in Vietnamese. (NCCR Evolving Language, Swiss National Science Foundation)

Collaborators Prof. Dr. Balthasar Bickel (University of Zürich), Prof. Dr. Anne-Lise Giraud (University of Geneva)

Marie Curie Fellow

1 January 2021 - Present

Department of Fundamental Neurosciences, University of Geneva

Geneva, Switzerland

Project Rhythmic prediction in speech perception: are our brain waves in sync with our native language? (Marie Skłodowska Curie Individual Fellowship, European Commission)

Collaborators Prof. Dr. Anne-Lise Giraud (University of Geneva)

Postdoctoral researcher

1 January 2018 - 31 December 2020

Integrative Neuroscience and Cognition Center, Université Paris Descartes

Paris, France

Project Cross-linguistic developmental comparison of the processing of consonants and vowels in early lexical acquisition (jointly funded by ANR / DFG)
Collaborators Dr. T. Nazzi, Dr. S. Schmandt (Universität Postdam)

Postdoctoral researcher

1 February 2016 - 31 December 2017

Laboratoire Psychologie de la Perception, Université Paris Descartes

Paris, France

Project Multilevel prosodic processing in a cross-linguistic perspective (jointly funded by ANR / DFG)
Collaborators Dr. T. Nazzi, Prof. Dr R. Bijeljac-Babic, Prof. Dr. B. Höhle (Universität Postdam), Dr. N. Boll-Avetisyan (Universität Postdam)

PhD researcher

1 February 2011 - 4 March 2016

Utrecht Institute of Linguistics, Utrecht University

Utrecht, the Netherlands

Project Parsing and metrical structure - Where phonology meets processing (funded by NWO)
Collaborators Prof. Dr R.W.J. Kager, Prof. Dr. W. Zonneveld, Dr. B.M. Keij, Dr. T. Lentz

ALL PUBLICATIONS

- 2022 Peter, V., **van Ommen, S.**, Kalashnikova, M., Mazuka, R., Nazzi, T. and Burnham, D. Language-specific speech processing: Cortical tracking to speech rhythm at mora, syllable, and foot levels *Scientific Reports* 12:13477
- 2022 Von Holzen, K., **van Ommen, S.**, White, K., and Nazzi, T. The impact of phonological biases on mispronunciation sensitivity and novel accent adaptation. *Language Learning and Development*
- 2021 **van Ommen, S.** Review of Shlomo Izre'el, Heliana Mello, Alessandro Panunzi and Tommaso Raso (eds.)(2020). In search of basic units of spoken language: a corpus-driven approach.(Studies in Corpus Linguistics 94.) Amsterdam & Philadelphia: John Benjamins Publishing Company. Pp. xi+ 440. *Phonology* 38 (2), 357-362
- 2021 Darriba, Á, Hsu, Y-F, **van Ommen, S.**, Waszak, F. Intention-based and sensory-based predictions. *Scientific Reports* 11 (1), 1-16
- 2021 Darriba, Á, **van Ommen, S.**, Hsu, Y-F, Waszak, F. Visual predictions operate on different time-scales. *Journal of Cognitive Neuroscience* 33 (6), 984-1002
- 2020 **van Ommen, S.**, Boll-Avetisyan, N., Larraza, S., Wellmann, C., Bijeljac-Babic, R., Höhle, B.; Nazzi, T. Language-specific prosodic acquisition: a comparison of phrase boundary perception by French- and German-learning infants. *Journal of Memory and Language* 112, 104108
- 2018 Boll-Avetisyan, N., Nixon, J., Lentz, T., Liu, L., **van Ommen, S.**, Óltekin, C., and van Rij, J. Neural response development during distributional learning, *Proceedings of Interspeech 2018, Hyderabad, India*.
- 2018 Nixon, J.S, Boll-Avetisyan, N. Lentz, T. O., **van Ommen, S.**, Keij, B., Óltekin, C., Liu, L., and van Rij, J. Short-term exposure enhances perception of both between- and within-category acoustic information. *Proceedings of Speech Prosody 2018*.
- 2017 Helo, A., **van Ommen, S.**, Pannasch, S., Danten-Dordogne, L., Rämä, P. Influence of semantic consistency and perceptual features on visual attention during scene viewing in toddlers, *Infant Behavior and Development*, 49, 248-266.
- 2016 **van Ommen, S.** *Listen to the beat: A cross-linguistic perspective on the use of stress in segmentation*. Doctoral dissertation, Utrecht University. Published by LOT (Landelijke Onderzoeksschool Taalwetenschap).
- 2013 Nerbonne, J., **van Ommen, S.**, Gooskens, C.G. and Wieling, M. Measuring socially motivated pronunciation differences, *In: Lars Boring and Aju Saxena (eds.) Approaches to Measuring Linguistic Differences, Mouton De Gruyter*.

- 2013 Nerbonne, J., **van Ommen, S.**, Gooskens, C.G. and Impe, L. A corpus of regional Dutch speech. *In: Charlotte Gooskens and Renee van Bezooijen (eds.) Phonetics in Europe. Perception and production, Peter Lang.*
- 2013 **van Ommen, S.**, P. Hendriks, D. G. Gilbers, V. J. J. H van Heuven and C. S. Gooskens. Is diachronic lenition a factor in the asymmetry in intelligibility between Danish and Swedish? *Lingua* 137, 193-213.
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive Use of Metrical Cues: a Cross-linguistic Study. *In: Proceedings of NLPCS 2012, 9th International Workshop on Natural Language Processing and Cognitive Science, Wroclaw, Poland, p. 74-84.*
- 2007 **van Ommen, S.**, J. Hoeksema and D.G. Gilbers. Heeeeeee lange vocalen: een onderzoek naar emphatische rekking, *TABU*, 36-1/2, 39-64.

METHODS AND SKILLS

- Methods** Various adult and infant behavioral paradigms; Electroencephalography (EEG); Near-infrared Spectroscopy (fNIRS); Eyetracking; Phonetic resynthesis
- Analyses** (Bayesian and frequentist) Linear Mixed Models; Classification analyses; Corpus analyses; Phonetic analysis and transcription
- Software** R; Python; Praat; OpenSesame; EEGLab (MATLAB); LaTeX; Javascript; html5; css3; GIMP; Blender; Kdenlive

GRANTS

- 2020 Marie Skłodowska Curie Individual Fellowship (190k)
- 2014 NWO Aspasia Fund, seed money for grant writing
- 2013 Swiss National Science Foundation, conference participation support
- 2008 Stichting Groninger Universiteitsfond, grant for excellent students

PRESENTATIONS

- 2021 **van Ommen, S.** A. van der Kant, I. de la Cruz-Pavia, S. Schmandt, T. Nazzi, J. Gervain. Vowel bias in French-learning 8-month-olds: measuring repetition perception with fNIRS *Poster at SRCD 2021 (e-conference), 9 April 2021*
- 2021 **van Ommen, S.**, Boll-Avetisyan, N., Höhle, B and T. Nazzi. Prosodic boundaries in phrase processing, a click detection study *Talk at Prosodic boundary phenomena, DGfS 2021 (e-conference), 25 February 2021*
- 2021 **van Ommen, S.** Introduction to linguistic typology as a method *Talk at Metheore, NCCR (e-seminar), 17 February 2021*
- 2020 **van Ommen, S.** A. van der Kant, I. de la Cruz-Pavia, S. Schmandt, T. Nazzi, J. Gervain. Comparing vowels and consonants using fNIRS - Neural responses to repetition-based regularities in French-learning 8-month-olds. *Poster at ICIS Glasgow (e-conference), 6-9 July 2020*
- 2018 Boll-Avetisyan, N., **van Ommen, S.**, Höhle, B and T. Nazzi. Categorical perception of lexical stress in French L2 learners of German: Effects of musical acuity. *Talk at BUCLD, Boston, USA, November 2018*
- 2018 Boll-Avetisyan, N., **van Ommen, S.**, Höhle, B and T. Nazzi. Stress “deafness” can be overcome : Evidence from Second language learners. *Talk at EUROSLA, Münster, Germany, September 2018*

- 2018 Boll-Avetisyan, N., Nixon, J., Lentz, T., Liu, L., **van Ommen, S.**, Óltekin, Ó., and van Rij, J. Neural response development during distributional learning, *Talk at Interspeech 2018, Iderabad, India*.
- 2018 Nixon, J.S, Boll-Avetisyan, N. Lentz, T. O., **van Ommen, S.**, Keij, B., Óltekin, Ó, Liu, L., and van Rij, J. Short-term exposure enhances perception of both between-and within-category acoustic information. *Talk at Speech Prosody 2018*.
- 2018 Von Holzen, K., **van Ommen, S.**, White, K. and Nazzi, T. French learning infants' adaptation to a novel accent: the role of consonant/vowel asymmetry. *Poster at ICIS 2018, Philadelphia, USA*.
- 2018 Helo, A., Oytun, A., **van Ommen, S.**, Pannasch, S., Rämä, P. What attracts the gaze of 18- and 24-month-olds during screen viewing? *Talk at ICIS, Philadelphia, USA*.
- 2017 **van Ommen, S.**, Boll-Avetisyan, N., Larraza, S., Wellmann, C., Bijeljac-Babic, R., Höhle, B and T. Nazzi. Prosodic boundary perception in French: infant data and analysis of acoustic cues. *Poster at IASCL 2017, Lyon, France*.
- 2017 **van Ommen, S.**, Boll-Avetisyan, N., Larraza, S., Wellmann, C., Bijeljac-Babic, R., Höhle, B and T. Nazzi. Phonetic cues in French prosodic boundaries and infant prosodic processing. *Talk at PaPE 2017, Cologne, Germany*.
- 2016 **van Ommen, S.** German and French ADS and IDS phrase boundaries in production and perception. *Invited talk at MAMPF, LMU München, Germany*
- 2016 Larraza, S., **van Ommen, S.**, Abboub, N., Wellmann, C., Boll-Avetisyan, N., Bijeljac- Babic, R., Höhle, B and T. Nazzi. How does prosodic boundary processing develop? Evidence from French-learning infants. *Poster at ICIS 2016, New Orleans, USA*.
- 2015 **van Ommen, S.** and R.W.J. Kager. Metrical optimization in segmentation. *Talk at XII International Symposium Of Psycholinguistics, Valencia, Spain, July 4, 2015*.
- 2015 **van Ommen, S.** and R.W.J. Kager. Metrical optimization in segmentation. *Talk at Phonetics and Phonology in Europe, University of Cambridge, UK, June 29, 2015*
- 2014 **van Ommen, S.** Metrical segmentation: Optimization in perception. *Talk at Miniconference metrical structure: acquisition and processing. Utrecht, the Netherlands, April 15-17, 2014*.
- 2013 **van Ommen, S.** and R.W.J. Kager. Metrical segmentation: Optimization in perception. *Invited talk at Phonology Circle MIT, Cambridge, Massachusetts, USA, December 13, 2013*.
- 2013 **van Ommen, S.** and R.W.J. Kager. The results of a cross-linguistic metrical segmentation experiment and some thoughts on modeling, *Invited talk at PEP, NYU, New York City, New York, USA November 22, 2013*
- 2013 **van Ommen, S.** and R.W.J. Kager. Processing to the beat: metrical segmentation in Dutch, Turkish, Polish and Hungarian. *Talk at Phonology 2013, Amherst, Massachusetts, USA. November 9-10, 2013*.
- 2013 **van Ommen, S.** and R.W.J. Kager. Segmentation to the beat, a cross-linguistic perspective. *Talk at 19th International Congress of Linguists, 2013, Geneva, Switzerland, July 21-27, 2013*.
- 2013 **van Ommen, S.** and R.W.J. Kager. Metrical segmentation in a cross-linguistic perspective. *Poster at the 11th International Symposium of Psycholinguistics, Tenerife, Spain, March 20-23, 2013*.
- 2013 **van Ommen, S.** and R.W.J. Kager. Metrical segmentation in a cross-linguistic perspective. *Talk at 14th Tokyo Conference on Psycholinguistics, Tokyo, Japan, March 8-9, 2013*

- 2012 **van Ommen, S.** and R.W.J. Kager. Metrical segmentation in a cross-linguistic perspective. *Talk at UD conference on stress and accent, Newark, Delaware, USA, November 29- Dec. 1, 2012.*
- 2012 **van Ommen, S.** Metrical segmentation in a cross-linguistic perspective. *Invited talk at Uiltjesdagen, Utrecht, the Netherlands, November 20-22, 2012.*
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive use of metrical cues. *Poster at Phonotactic grammar: theories and models, Cortona Italy, September 28-29, 2012.*
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive use of metrical cues. *Poster at Cognitive Modules and Interfaces, Trieste, Italy, September 18-19, 2012.*
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive use of metrical cues, A cross-linguistic study. *Talk at Poznań Linguistic meeting, Poznań, Poland, September 9-10, 2012.*
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive use of metrical cues: a cross-linguistic study, *Talk at NLPCS, Wrocław, Poland, June 29, 2012.*
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive use of metrical cues: Results of Dutch and Turkish, *Talk at TABU-dag, Groningen, The Netherlands, June 19, 2012.*
- 2012 **van Ommen, S.** and R.W.J. Kager. Progressive use of metrical cues, *Poster at Psycholinguistics in Flanders (goes Dutch), Nijmegen, the Netherlands, June 7, 2012.*
- 2011 **van Ommen, S.** Segmentation to the beat - into the task, *Invited talk at Uiltjesdagen, UiL OTS, Utrecht, the Netherlands, November 23, 2011.*
- 2011 **van Ommen, S.** and B. Keij. Acquisition and use of metrical cues: a cross-linguistic study. *Invited talk at the International workshop on suprasegmentals in acquisition and processing, University of Konstanz, Germany, June 1, 2011.*
- 2010 **van Ommen, S.** Lenition and the asymmetry in mutual intelligibility between Danish and Swedish, *Talk at TIN-dag, Utrecht 2010.*
- 2009 Dijkmeijer, N., der Ham, S. van, **van Ommen, S.**, Rij, J. van, Zuidhof, M-A. Koster, C., Hendriks, P. Do Dutch adults display a pronoun interpretation problem, too? *Poster at Rascal Conference, Groningen 2009.*

ACADEMIC SERVICE

Reviewer

2014 - Present

Journals □ Language & Speech

□ Frontiers in Communication (Language Sciences)

Conferences □ Workshop on Infant Language Development

□ Phonetics and Phonology in Europe

□ Miniconference Metrical structure: acquisition and processing

Organizer

2011 - Present

Circles □ Paris Babylab Meetings (quarterly - 2 years)

□ Experimental Linguistics Talks Utrecht (weekly - 2 years)

Events □ Uiltjesdagen 2011

□ Landelijke Onderzoeksschool Taalwetenschap Summerschool 2012

□ EMLAR IX Utrecht 2013; Miniconference Metrical Structure: Acquisition and Processing Utrecht 2014.

TEACHING

Teacher

2014 - Present

Bachelor level □ Psychology of Language with Shalom Zuckerman, Utrecht University

- Experimental Psycholinguistics *with Shalom Zuckerman, Utrecht University*
- Master level** □ Production and Perception in Second Language Acquisition *with Aoju Chen, Utrecht University*
- PhD level** □ Introduction into Praat *University of Geneva*
- Introduction into mixed models analyses *INCC, Université Paris Descartes*

Supervisor

2013 - Present

- Master level** □ Maud Verlinde, Iris Menu, Sofia Linda Carrion-Falgarona, Camille Martinsky, Mathilde Strassel, Helène Monvert-Combe, Alice Bourbon, Anaëlle Alouit, Inès Paic, Leonardo Piot

RESEARCH VISITS

Visiting Researcher

November - December 2013

Dr. F. Adriaans

New York University, USA

Visiting Researcher

May - June 2013

Dr. J.M. Toro-Soto, Prof. Dr. L.L. Bonatti, Prof. Dr. N. Sebastián Gallés

New York University, USA

Intern

September - December 2008

Prof. Dr. D Geeraerts, Dr. D. Speelman, Dr. L. Impe

Katholieke Universiteit Leuven, Belgium

PUBLIC DISSEMINATION

Article General interest article in Paris Descartes Babylab Newsletter

Interview Dissertation interview on Dutch national radio (Radio 1)

CONTACT DETAILS REFEREES

Utrecht Prof. Dr. René W. Kager, +31 (0) 30 253 8064, R.W.J.Kager@uu.nl

Utrecht University, Transcomplex, Trans 10, Kamer 1.20, 3512 JK Utrecht, the Netherlands

Paris Prof. Dr. Thierry Nazzi, +33 (0) 1 42 86 43 15, thierry.nazzi@parisdescartes.fr

Université Paris Côté, Integrative Neuroscience and Cognition Center, room 603-03, 45 Rue des Saints Pères, 75270 Paris Cedex 06, France

Geneva Prof. Dr. Anne-Lise Giraud, +41 22 379 55 47, Anne-Lise.Giraud@unige.ch

Université de Genève, Campus Biotech Office 181175, Chemin des Mines 9, 1202 Genève, Switzerland