

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

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

Postdoctoral researcher

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 - Present

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

Utrecht Institute of Linguistics, Utrecht University

1 February 2011 - 4 March 2016

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**Research assistant**

Rijksuniversiteit Groningen

1 September 2010 - 31 January 2011

Groningen, the Netherlands

Project Foreign languages in primary school project (funded by NWO)**Collaborators** Liv Persson, Sieuwke Reitsma**Research assistant**

Rijksuniversiteit Groningen

1 Aug - 31 December 2010

Groningen, the Netherlands

Project Mutual intelligibility of Dutch language varieties (funded by NWO)**Collaborators** Prof. Dr. Ir. John Nerbonne, Prof. Dr. Sebastian Kürschner, Dr. C.S. Gooskens**Student assistant**

Rijksuniversiteit Groningen

1 Feb 2009 - 30 April 2010

Groningen, the Netherlands

Project Mutual intelligibility of Dutch language varieties (funded by NWO)**Supervisor** Prof. Dr. Ir. John Nerbonne**Conference assistant**

Rijksuniversiteit Groningen

1 - 25 January 2009

Groningen, the Netherlands

Project Relating Asymmetries between Speech and Comprehension in the Acquisition of Language (RAS-CAL Conference)**Supervisor** Prof. Dr. P. Hendriks**Student assistant**

Rijksuniversiteit Groningen

1 April - 31 July 2008

Groningen, the Netherlands

Project Mutual intelligibility of Dutch language varieties (funded by NWO)**Supervisor** Prof. Dr. Ir. John Nerbonne**PUBLICATIONS**

Accepted Darriba, Á, **van Ommen, S.**, Hsu, Y-F, Waszak, F. Visual predictions operate on different time-scales. *Journal of Cognitive Neuroscience***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*, Iderabad, 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-Dordoigne, 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. Heeeeele lange vocalen: een onderzoek naar emphatische rekking, *TABU*, 36-1/2, 39-64.

METHODS AND SKILLS

- Methods** Various adult and infant behavioral paradigms; Electroencephalogram (EEG); Near-infrared Spectroscopy (fNIRS); Eyetracking; Phonetic resynthesis
- Analyses** 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 EUROSIA, Münster, Germany, September 2018*
- 2018 Boll-Avetisyan, N., Nixon, J., Lentz, T., Liu, L., **van Ommen, S.**, Čöltekin, Ć., 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., Čöltekin, Ć, 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, Wroclaw, 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 □ 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		<i>2014 - Present</i>
Bachelor level	<ul style="list-style-type: none"> □ Psychology of Language <i>with Shalom Zuckerman, Utrecht University</i> □ Experimental Psycholinguistics <i>with Shalom Zuckerman, Utrecht University</i> 	
Master level	<ul style="list-style-type: none"> □ Production and Perception in Second Language Acquisition <i>with Aoju Chen, Utrecht University</i> 	
PhD level	<ul style="list-style-type: none"> □ Introduction into Praat <i>University of Geneva</i> □ Introduction into mixed models analyses <i>INCC, Université Paris Descartes</i> 	
Supervisor		<i>2013 - Present</i>
Master level	<ul style="list-style-type: none"> □ 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	<i>November - December 2013</i>
<i>Dr. F. Adriaans</i>	<i>New York University, USA</i>
Visiting Researcher	<i>May - June 2013</i>
<i>Dr. J.M. Toro-Soto, Prof. Dr. L.L. Bonatti, Prof. Dr. N. Sebastián Gallés</i>	<i>New York University, USA</i>
Intern	<i>September - December 2008</i>
<i>Prof. Dr. D Geeraerts, Dr. D. Speelman, Dr. L. Impe</i>	<i>Katholieke Universiteit Leuven, Belgium</i>

PUBLIC DISSEMINATION

- Article** General interest article in Paris Descartes Babylab Newsletter
- Interview** Dissertation interview on Dutch national radio (Radio 1)