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Associate Professor & Principal Investigator, Radboud University, Donders Centre for Cognition

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Research Summary

As a PhD candidate at Radboud University, supervised by Ardi Roelofs and Herbert Schriefers, I did research on the role of executive control in word production using behavioural methods, scalp electrophysiology, and functional MRI. Halfway into my PhD, I initiated my own, independent, research programme on the electrophysiology of language production in healthy speakers. I then obtained personal post-doctoral funding to go to the University of California Berkeley and expand my research towards populations with acquired language impairment. Under the mentoring of Bob Knight and Nina Dronkers, I used intracranial and scalp electrophysiology to investigate the neurophysiological underpinnings of language and language neuroplasticity.

Since 2017, I head the Language Function and Dysfunction group at the Donders Institute for Brain, Cognition and Behaviour in Nijmegen. My research programme focuses on the neuropsychological and neurophysiological basis of language in healthy adults and the impairment of language functioning after brain injury or damage to the speech organs. My research is characterised by bridging across the domains of language, memory, and executive control and by the way I use my strong fundamental and methodological background to approach the study of language disorders. Electrophysiology holds an important place in my research programme, which I combine with behavioural measures, non-invasive brain stimulation and lesion-symptom models.

Positions

Principal Investigator, Radboud University, Donders Centre for Cognition, Department of Neuropsychology and Rehabilitation Psychology, Nijmegen, the Netherlands

2016-present

junior Principal Investigator, Radboud University Medical Centre, Donders Centre for Medical Neuroscience, Department of Medical Psychology, Nijmegen, the Netherlands

2020-2022

	Postdoctoral Researcher , Radboud University Medical Centre, Donders Centre for Medical Neuroscience, Department of Medical Psychology, Nijmegen, the Netherlands	2016-2020
	Postdoctoral Fellow , Helen Wills Neuroscience Institute, University of California, Berkeley and Center for Aphasia and Related Disorders, Veterans Affairs Health Care System Northern, California, USA	2014-2016
	Neurosurgery Department Affiliate , University of California, San Francisco, California, USA	2015-2016
Clinical Duties	Monitoring of function during awake craniotomies, developing and improving protocols for intraoperative assessments <i>Radboud University Medical Centre</i>	2016-2022
Education	<p>Ph.D. in Cognitive Neuroscience (distinction: "cum laude"), <i>Radboud University, Donders Graduate School for Cognitive Neuroscience & International Max Planck Research School for Language Sciences</i>, Nijmegen, the Netherlands</p> <p>M.Sc. in Cognitive Neuroscience (distinction: "bene meritum"), <i>Radboud University</i>, Nijmegen, the Netherlands</p> <p>B.A. in Linguistics (distinction: "cum laude"), <i>Utrecht University</i>, Utrecht, the Netherlands</p> <p>B.A. in Portuguese Language and Culture (distinction: "cum laude"), <i>Utrecht University</i>, Utrecht, the Netherlands</p>	2009-2013
Certificates	Basic course on Regulations and Organisation for clinical investigators (BROK) Dutch University Teaching Qualification (BKO)	2016 2013
Competitive Funding	<p>Principal Investigator</p> <p>Vidi, <i>Netherlands Organisation for Scientific Research (NWO)</i>, "Fingerprints of language: towards a neurophysiological theory of retrieval from memory in speaking" (€ 800,000)</p> <p>Internal PhD-grant round, <i>Radboud University, Donders Centre for Cognition</i>, "Let's have that conversation: Examining the demands of language use through the lens of young stroke" (€ 250,000)</p> <p>Junior Principal Investigator premium, <i>Radboud University Medical Center</i>, Radboudumc funds dedicated to research excellence (€ 125,000)</p> <p>Interfaculty collaborative grant, <i>Radboud University</i>, "Adaptive Language Initiative", with prof. James McQueen and prof. Aslı Özyürek (€ 150,000)</p>	2022-2026 2021-2025 2020-2024 2020-2022

	Internal PhD-grant round , Radboud University, Donders Centre for Cognition, "Unravelling how prefrontal cortex recruitment supports language functioning" (€ 250,000)	2019–2023
	Veni , Netherlands Organisation for Scientific Research (NWO), "Reorganising language: Neuroplasticity after left-hemisphere stroke through right-hemisphere recruitment" (€ 250,000)	2017–2020
	Rubicon , Netherlands Organisation for Scientific Research (NWO), "Towards a neural mechanism of context-driven memory access in language: prefrontal cortex and neuronal oscillations" (€ 127,690)	2014–2016
	Niels Stensen Fellowship , Niels Stensen Stichting, "Towards a neuronal mechanism of context-dependent memory access in spoken word production" (€ 43,736). Declined due to Rubicon	2014–2015
Co-Investigator		
	Small Projects for NWA routes , Netherlands Organisation for Scientific Research (NWO), "Dynamic Assessment of Everyday Communication using Virtual Reality: proof of concept for persons with aphasia (DCOM-VR)", main applicant: dr. M. Ruiter	2022–2024
	PhDs in Humanities 2021 , Netherlands Organisation for Scientific Research (NWO), "Putting discourse particles in context: How people with acquired communication disorders use discourse particles", main applicant: prof. H. de Hoop, PhD candidate: Imke Wets, MA	2021–2025
	Discovery Project , Australian Research Council, "How the brain produces speech: Neuronal oscillations to neuromodulation", main applicant: prof. de Zubiray	2020–2024
	Internal PhD-grant round , Radboud University, Donders Centre for Cognition, "The lexical interface in the brain", main applicants: prof. A. Roelofs, prof. J. McQueen (€ 234,000)	2016–2020
	Internal Utilisation Grant Round , Language in Interaction Consortium, "SimpTell, an application for the training of elliptical language production style by patients with chronic Broca's aphasia", main applicants: prof. A. Roelofs, dr. M. Ruiter (€ 25,000)	2016
Awards and Prizes		
	Early Career Award , International Neuropsychological Society	2020
	Early Career Award , Dutch Psychonomic Society	2019
	Early Career Award , Society for the Neurobiology of Language	
	Early Career Award , Dutch Society of Neuropsychology	2018
	Top reviewer for Radboud University (Arts and Humanities) , Publons	2017
	Top 10% of review contributions to field of Psychology , Publons	2016
	Frye Stipend , Radboud University, Nijmegen, Awarded yearly to the ten most promising female researchers across Radboud University	2012
Publications		Asterisks indicate (PhD or undergraduate) student lead authors. Publication list also available in Google Scholar and ORCID . Full-texts of published papers available through my website

*Weterings, R., Kessels, R.P.C., de Leeuw, F.-E., & **Piai, V.** (2023). Cognitive impairment after a stroke in young adults: a systematic review and meta-analysis. *International Journal of Stroke*. doi:[10.1177/17474930231159267](https://doi.org/10.1177/17474930231159267) 

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*Roos, N. M., Takashima, A., & **Piai, V.** (2023). Functional neuroanatomy of lexical access in contextually and visually guided spoken word production. *Cortex*, 159, 254–267.

doi:[10.1016/j.cortex.2022.10.014](https://doi.org/10.1016/j.cortex.2022.10.014) 

*Chupina, I., Sierpowska, J., Zheng, X. Y., Dewenter, A., Piastra, M., & **Piai, V.** (2022). Time course of right-hemisphere recruitment during word production following left-hemisphere damage: A single case of young stroke. *European Journal of Neuroscience*. doi:[10.1111/ejn.15813](https://doi.org/10.1111/ejn.15813)

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Mercier, M. R., Dubarry, A.-S., Tadel, F., Avanzini, P., Axmacher, N., Cellier, D., Vecchio, M. D., Hamilton, L. S., Hermes, D., Kahana, M. J., Knight, R. T., Llorens, A., Megevand, P., Melloni, L., Miller, K. J., **Piai, V.**, Puce, A., Ramsey, N. F., Schwiedrzik, C. M., ... Oostenveld, R. (2022). Advances in human intracranial electroencephalography research, guidelines and good practices. *NeuroImage*, 260, 119438. doi:[10.1016/j.neuroimage.2022.119438](https://doi.org/10.1016/j.neuroimage.2022.119438)

Piastra, M. C., Oostenveld, R., Schoffelen, J. M., & **Piai, V.** (2022). Estimating the influence of stroke lesions on MEG source reconstruction. *NeuroImage*, 260, 119422. doi:[10.1016/j.neuroimage.2022.119422](https://doi.org/10.1016/j.neuroimage.2022.119422) 

Sierpowska, J. and Bryant, K. L., Janssen, N., Blazquez Freches, G., Römkens, M., Mangnus, M., Mars, R. B., & **Piai, V.** (2022). Comparing human and chimpanzee temporal lobe neuroanatomy reveals modifications to human language hubs beyond the frontotemporal arcuate fasciculus. *Proceedings of the National Academy of Sciences*, 119(28), e2118295119.

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Hendriks, M. and van Ginkel, W. (shared first authors), Dijkstra, T., & **Piai, V.** (2022). Dropping beans or spilling secrets: How idiomatic context bias affects prediction. *Journal of Cognitive Neuroscience*, 34 (2), 209–223. doi:[10.1162/jocn_a_01798](https://doi.org/10.1162/jocn_a_01798) 

*Janssen, N., Roelofs, A., van den Berg, E., Eikelboom, W. S., Holleman, M. A., in de Braek, D. M. J. M., Piguet, O., **Piai, V.**, & Kessels, R. P. C. (2022). The diagnostic value of language screening in Primary Progressive Aphasia: Validation and application of the Sydney Language Battery. *Journal of Speech, Language, and Hearing Research*, 65, 200-214. doi:[10.1044/2021_JSLHR-21-00024](https://doi.org/10.1044/2021_JSLHR-21-00024)

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*Mascelloni, M., McMahon, K., **Piai, V.**, Kleinman, D., & de Zubiray, G. (2021). Mediated phonological-semantic priming in spoken word production: evidence for cascaded processing from picture-word interference. *Quarterly Journal of Experimental Psychology*, 74(7), 1284-1294. 
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*Abrahamse, R., Beynon, A., & **Piai, V.** (2021). Long-term auditory processing outcomes in early implanted young adults with cochlear implants: the MMN vs. P300 response. *Clinical Neurophysiology*, 132(1), 258-268. doi: [10.1016/j.clinph.2020.09.022](https://doi.org/10.1016/j.clinph.2020.09.022) 

2020

*Janssen, N., Roelofs, A., Mangnus, M., Sierpowska, J., Kessels, R. P. C., & **Piai, V.** (2020). How the speed of word finding depends on ventral tract integrity in primary progressive aphasia. *NeuroImage: Clinical*, 28, 102450. doi: [10.1016/j.nicl.2020.102450](https://doi.org/10.1016/j.nicl.2020.102450)

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2019

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2018

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2017

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2016

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2015

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Piai, V., Riès, S. K., & Knight, R. T. (2015). The electrophysiology of language production: What could be improved. *Frontiers in Human Neuroscience*, 5, 5160. doi: [10.3389/fpsyg.2014.01560](https://doi.org/10.3389/fpsyg.2014.01560)

Piai, V., Dahslätt, K., & Maris, E. (2015). Statistically comparing EEG/MEG waveforms on the basis of successive univariate test statistics: How bad can it be? *Psychophysiology*, 52, 440-443. doi: [10.1111/psyp.12335](https://doi.org/10.1111/psyp.12335)

Roelofs, A., & **Piai, V.** (2015). Aspects of competition in word production: Reply to Mahon and Navarrete. *Cortex*, 69, 420-424. doi: [10.1016/j.cortex.2014.10.016](https://doi.org/10.1016/j.cortex.2014.10.016)

2014

Piai, V., Roelofs, A., Jensen, O., Schoffelen, J. M., & Bonnefond, M. (2014). Distinct patterns of brain activity characterise lexical activation and competition in spoken word production. *PLoS ONE* 9(2): e88674. doi: [10.1371/journal.pone.0088674](https://doi.org/10.1371/journal.pone.0088674)

Piai, V., Roelofs, A., & Schriefers, H. (2014). Locus of semantic interference in picture naming: Evidence from dual-task performance. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40, 147-165. doi: [10.1037/a0033745](https://doi.org/10.1037/a0033745)

Piai, V., Roelofs, A., & Maris, E. (2014). Oscillatory brain responses in spoken word production reflect lexical frequency and sentential constraint. *Neuropsychologia*, 53, 146-156. doi: [10.1016/j.neuropsychologia.2013.11.014](https://doi.org/10.1016/j.neuropsychologia.2013.11.014)

Piai, V., Roelofs, A., Acheson, D. J., & Takashima, A. (2013). Attention for speaking: Domain-general control from anterior cingulate cortex in spoken word production. *Frontiers in Human Neuroscience*, 7:832. doi: [10.3389/fnhum.2013.00832](https://doi.org/10.3389/fnhum.2013.00832)

2013

Piai, V., Meyer, L., Schreuder, R., & Bastiaansen, M. C. M. (2013). Sit down and read on: Working memory and long-term memory in particle-verb processing. *Brain & Language*, 127, 296-306. doi: [10.1016/j.bandl.2013.09.015](https://doi.org/10.1016/j.bandl.2013.09.015)

Piai, V. & Roelofs, A. (2013). Working memory capacity and dual-task interference in picture naming. *Acta Psychologica*, 142, 332-342. doi: [10.1016/j.actpsy.2013.01.006](https://doi.org/10.1016/j.actpsy.2013.01.006)

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- Piai, V.**, Roelofs, A., & Van der Meij, R. (2012). Event-related potentials and oscillatory brain responses associated with semantic and Stroop-like interference effects in overt naming. *Brain Research*, 1450, 87-101. doi: [10.1016/j.brainres.2012.02.050](https://doi.org/10.1016/j.brainres.2012.02.050)

- Piai, V.**, Roelofs, A., & Schriefers, H. (2011). Semantic interference in immediate and delayed naming and reading: Attention and task decisions. *Journal of Memory and Language*, 64, 404-423. doi: [10.1016/j.jml.2011.01.004](https://doi.org/10.1016/j.jml.2011.01.004)
- Roelofs, A., & **Piai, V.** (2011). Attention demands of spoken word planning: A review. *Frontiers in Psychology*, 2:307. doi: [10.3389/fpsyg.2011.00307](https://doi.org/10.3389/fpsyg.2011.00307)
- Roelofs, A., **Piai, V.**, & Garrido Rodriguez, G. (2011). Attentional inhibition in bilingual naming performance: Evidence from delta-plot analyses. *Frontiers in Psychology*, 2:184. doi: [10.3389/fpsyg.2011.00184](https://doi.org/10.3389/fpsyg.2011.00184)
- Roelofs, A., **Piai, V.**, & Schriefers, H. (2011). Selective attention and distractor frequency in naming performance: Comment on Dhooge and Hartsuiker (2010). *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 1032-1038. doi: [10.1037/a0023328](https://doi.org/10.1037/a0023328)

Book chapters

- Satoer, D., & **Piai, V.** (2022). Speech and Language. In R. Kessels, E. van den Berg, R. Ponds, J. Spikman & M. van Zandvoort (Eds.), *Clinical Neuropsychology*. Boom.
- Piai, V.**, & Borges, P. (in press). The electrophysiology of language production. In R. Hartsuiker & K. Strijkers (Eds.), *Cognitive processes of language production*. Psychology Press.
- Piai, V.**, & Zheng, X. (2019). Speaking waves: neuronal oscillations in language production. *Psychology of Learning and Motivation*, 71, 265-302. doi: [10.1016/bs.plm.2019.07.002](https://doi.org/10.1016/bs.plm.2019.07.002)
- de Zubicaray, G., & **Piai, V.** (2019). Investigating the spatial and temporal components of speech production. In G. de Zubicaray, & N. O. Schiller (Eds.), *The Oxford Handbook of Neurolinguistics*. Oxford University Press. doi: [10.1093/oxfordhb/9780190672027.013.19](https://doi.org/10.1093/oxfordhb/9780190672027.013.19)
- Flinker, A., **Piai, V.**, & Knight, R. T. (2018). Intracranial electrophysiology in language research. In S-A. Rueschemeyer, & M. G. Gaskell (Eds.), *The Oxford Handbook of Psycholinguistics*. Oxford University Press. doi: [10.1093/oxfordhb/9780198786825.013.43](https://doi.org/10.1093/oxfordhb/9780198786825.013.43)

Products

Released

- "SimpTell"**, an application for the training of elliptical language production style by patients with chronic Broca's aphasia (*Co-developer, with main developer Marina Ruiter and co-developer Ardi Roelofs*)

Under development	<p>"Syntest", a Dutch test for the comprehension of (complex) syntactic structures (<i>with Nikki Janssen</i>)</p> <p>"Quest", for Quick ESTimation of language functioning in Dutch (<i>with Adrià Rofes</i>)</p> <p>"TeleTaal", a telephone-based language assessment battery to assess patients with mild language disorders (<i>Co-developer, with Djaina Satoer and Elke De Witte</i>)</p>	
Invited Talks	<p>The neural basis of language production as we speak. Science of Aphasia, Bordeaux, France. September, 2022.</p> <p>Speaking: evidence from electrophysiology and brain lesions. Special interest lecture at Donders MEG/EEG Toolkit, Radboud University, Nijmegen, the Netherlands. April, 2022.</p> <p>Drawing inferences about word production in context. Neurobiology of Language: Key Issues and Ways Forward, MPI, Nijmegen, the Netherlands. April, 2021.</p> <p>Speaking: evidence from electrophysiology and brain lesions. Special interest lecture at Donders MEG/EEG Toolkit, Radboud University, Nijmegen, the Netherlands. April, 2021.</p> <p>Conceptual and lexical retrieval in spoken word production. Research Colloquium at Department of Comparative Linguistics, University of Zurich. March, 2021.</p> <p>Conceptual and lexical retrieval in spoken word production. IMPRS Conference 2020, Interdisciplinary Approaches in the Language Sciences, Nijmegen, the Netherlands. June, 2020.</p> <p>Memory and control in spoken word production: evidence from electrophysiology and brain lesions. Institute of Cognitive Neuroscience, University College London. February, 2020.</p> <p>Neurale processen tijdens het spreken. Werkverband Amsterdamse Psycholinguïsten Symposium. Amsterdam, the Netherlands. January, 2020.</p> <p>The effects of head and neck tumours on neurocognition before and after treatment. Autumn Conference of the Dutch Workgroup for Head and Neck Tumours. Maastricht, the Netherlands. October, 2019.</p> <p>Interfering and facilitating contexts in spoken word production. Brownbag Lab Seminars. University of Geneva, Switzerland. June, 2019.</p> <p>Context effects in language production examined with electrophysiology. International Symposium on Neurobiology of Language. Waseda University, Tokyo, Japan. February, 2019.</p> <p>Comprehending and producing words: scalp and intracranial electrophysiology. Satellite Seminar on Neurobiology of Language. Waseda University, Tokyo, Japan. February, 2019.</p> <p>Context-driven word production through an electrophysiological lens. Queensland University of Technology, Brisbane, Australia. November, 2018.</p> <p>Language and speech functioning through an electrophysiological lens. CLaS-CCD Colloquium Series. Macquarie University. November, 2018.</p>	2022
		2021
		2020
		2019
		2018

Key considerations for EEG and language studies. School of Psychology and Clinical Language Sciences, University of Reading, UK. June, 2018.

Oscillations in language research. Summer Neurolinguistics School, National Research University Higher School of Economics, Moscow, Russia. May, 2018.

Neuropsychologie en de Psychologie van Taal. Nederlandse Vereniging voor Neuropsychologie Voorjaarsconferentie 2018. Utrecht, the Netherlands. April, 2018.

Intracranial electrophysiology in language research. National Research University, Higher School of Economics, Moscow, Russia. November, 2017.

2017

Taalverwerking in relatie tot geheugen: Van fundamenteel onderzoek naar klinische toepassing. Afasieconferentie "State of the Art 2017". Zeist, the Netherlands. October, 2017.

Language production and acquired language disorders. International Radboud Summer School, Introduction to Cognitive Neuroscience. Nijmegen, the Netherlands. August, 2017.

Oscillations as a bridge between language and other cognitive domains. International Symposium on Neural Oscillations in Speech and Language Processing. Harnack Haus of the Max Planck Society, Berlin, Germany. May, 2017.

Context-driven word production. Department of Neuropsychology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany. October, 2016.

2016

Context-driven word production in the healthy and stroke populations. Introduction to International Max Planck Research School PhD students. Nijmegen, the Netherlands. September, 2016.

Language production and acquired language disorders. International Radboud Summer School, Introduction to Cognitive Neuroscience. Nijmegen, the Netherlands. August, 2016.

Electrophysiology measured over the scalp and intracranially: examples from context-driven word production. Summer School - Human Language: From Genes and Brains to Behaviour. Berg en Dal, the Netherlands. July, 2016.

Where language production meets memory (or how). Center for Mind and Brain, Davis, USA. February, 2016.

The N450 in picture-word interference tasks. Donders Discussion. Nijmegen, the Netherlands. October, 2011.

2011 and earlier

Comprehending particle verbs. Experimental Linguistics Talks Utrecht. Utrecht, the Netherlands. September, 2009.

Conference Presentations

Oral presentations only in the past 5 years. Asterisks indicate (PhD or undergraduate) student lead authors.

2022

*Kennis, N., Zheng, X., de Bruin, A., & **Piai, V.** *The electrophysiology of voluntary and cued*

language switching: Evidence from event related potentials and neuronal oscillations. IMPRS conference 2022. Nijmegen, the Netherlands. June, 2022.

2019

- *Camerino, I. L., Sierpowska, J., Meyer, N. H., Tuladhar, A. M., Reid, A. T., Kessels, R. P. C., de Leeuw, F.-E., & **Piai, V.** *White-matter bottleneck in small vessel disease: A lesion-symptom mapping study of executive-language functions.* 20th International Science of Aphasia Conference. Rome, Italy. September, 2019.
- Sierpowska, J., Bryant, K., Römkens, M., Mangnus, M., Janssen, N., Kessels, R., Roelofs, A., Mars, R., & **Piai, V.** *The functional neuroanatomy of the left temporal lobe white matter – an interdisciplinary approach based on intraoperative and comparative studies.* 20th International Science of Aphasia Conference. Rome, Italy. September, 2019.
- Sierpowska, J., Rofes, A., Mandonnet, E., ter Laan, M., & **Piai, V.** *The AFTERCARE survey - The assessment and intervention survey for professionals working with individuals after brain surgery.* 14th European Low Grade Glioma Network Meeting. London, UK. June, 2019.
- Piai, V.** *Reconfiguration of the language network after brain damage.* Symposium “Cognitive Networks: Trends in Multimodal Approaches and Connectomics” at the 26th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, USA. March, 2019.

Supervision

Postdoctoral researchers	Britta Westner, <i>Radboud University</i>	2022-present
	Joanna Sierpowska, <i>Radboud University</i>	2018-2021
	Jana Klaus, <i>Radboud University</i>	2017-2018
PhD Candidates	Irina Chupina, <i>Radboud University</i>	2022-present
	Rosemarie Weterings, <i>Radboud University</i>	2021-present
	Imke Wets, with prof. Helen de Hoop, dr. Marina Ruiter and dr. Lotte Hogeweg, <i>Radboud University</i>	
	Natascha Roos, <i>Radboud University</i>	2019-present
	Yang Cao, <i>Radboud University</i>	
	Sümeyye Sezer, with dr. Mark ter Laan, <i>Radboud University</i>	
	Matteo Mascelloni, with prof. Greig de Zubicaray, <i>Queensland University of Technology, Australia</i>	2018-present
	Adrian Jodzio, with prof. Peter Indefrey, <i>Radboud University</i>	
	João Ferreira, with prof. Ardi Roelofs, <i>Radboud University</i>	2017-present
	Arushi Garg, with prof. Ardi Roelofs and prof. James McQueen, <i>Radboud University</i>	2016-present
	Ileana Camerino, <i>Radboud University</i> , 2022	Graduated
	Nikki Janssen, with prof. Ardi Roelofs and prof. Roy Kessels, <i>Radboud University</i> , 2020	
	Lara Todorova, with dr. David Neville, <i>Radboud University</i> , 2020	

Master's Students

I am an associated partner of the Erasmus+ Mundus Joint Master Degree programme in Clinical Linguistics

Main supervision: thesis

Co-supervision (by graduate students or post-docs in my group) is indicated

Adán Gracia-Gonzalez, <i>Radboud University</i> Kai Koster, <i>Radboud University</i> Kirstin Bleumink, <i>Radboud University</i> Yunzhi Luo, <i>Radboud University</i> Jiachen Yao, <i>Radboud University</i> (with dr. Ashley Lewis)	2022-2023
Nikita Boers, <i>Radboud University</i> (with Natascha Roos) Nora Kennis, <i>Radboud University</i> (with dr. Xiaochen Zheng and dr. Angela de Bruin) Owen Kapelle, <i>University of Groningen</i> (with dr. Rinus Verdonschot)	2021-2022
Pauline van Barschot, <i>Radboud University</i> Rosemarie Weterings, <i>European Master in Clinical Linguistics</i> (with Joao Ferreira) Seniz Canbek, <i>Radboud University</i> Leonie de Regt, <i>Radboud University</i>	2020-2021
Priscila Borges, <i>European Master in Clinical Linguistics</i> Irina Chupina, <i>European Master in Clinical Linguistics</i> Christina Papoutsi, <i>Utrecht University</i> Imke Wets, <i>Radboud University</i>	2020
Cecília Hustá, <i>University of Groningen</i> (with dr. Xiaochen Zheng)	2019
Anna Dewenter, <i>Radboud University</i> (with dr. Joanna Sierpowska)	2018-2019
Laura ten Dijke, <i>University of Amsterdam</i> Karleen van Dijk, <i>Radboud University</i>	2018
Elena Rossetto, <i>University of Trento</i> (with dr. Jana Klaus) Natascha Roos, <i>Radboud University</i> Rosanne Abrahamse, <i>Radboud University</i>	2017-2018
Manon Jacobs, <i>Radboud University</i> (with Nikki Janssen) Tessa Ruijs, <i>University of Amsterdam</i>	2017

Co-supervision: thesis

My role is secondary

Hajira Mumtaz, <i>European Master in Clinical Linguistics</i> (with dr. Willemijn Doedens)	2021
Giulio Severijnen, <i>Radboud University</i> (with prof. James McQueen)	2019-2020
Margot Magnus, <i>Radboud University</i> (with Nikki Janssen)	2018-2019
Manon Hendriks, <i>Radboud University</i> (with prof. Ton Dijkstra)	2017-2018
Svetlana Gerakakis, <i>Radboud University</i> (with prof. Ardi Roelofs)	2010-2011
Gabriela Garrido Rodriguez, <i>Radboud University</i> (with prof. Ardi Roelofs)	2009-2010

Internship

Co-supervision by graduate students or post-docs in my group is indicated

Ali Lotfi, <i>Radboud University</i> (with Yang Cao)	2022
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Lydia Huang, <i>Radboud University</i> (with Yang Cao) Dilys Eikelboom, <i>Radboud University</i> (with Adrian Jodzio) Sevilay Tokgöz, <i>Radboud University</i> (with Anna Dewenter)	2021
Juliette Vertregt, <i>University of Groningen</i>	2020
Anne Billot, <i>Pierre-and-Marie-Curie University, France</i> Nathalie Meyer, <i>École Polytechnique Fédérale de Lausanne, Switzerland</i>	2017

Bachelor's Students

Honours thesis

Laurie Marsman, <i>Radboud University</i> (with dr. Giesje Nefs) Joran Muller, <i>Radboud University</i>	2019-2020
Tamar Ardesch, <i>Radboud University</i> (with Anna Dewenter)	2018-2019
Rosemarije Weterings, <i>Radboud University</i> (with dr. Marina Ruiter)	2017-2018

Thesis

Mirthe van Dijk, <i>University of Amsterdam</i> Adán Gracia, <i>University of Amsterdam</i> Julia Chauvet, <i>University of Amsterdam</i> (with Natascha Roos)	2020-2021
Sjoerd van Erp, <i>Radboud University</i> (with Ileana Camerino and Joao Ferreira)	2020
Ingeborg Roete, <i>Radboud University</i>	2012

Internship

Fleur Hartskeerl, <i>Radboud University</i>	2021
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Teaching

Research Master's Programme in Cognitive Neuroscience, Radboud University

Coordinator for "Neurobiology of Language" (2020-present); Lecturer for "Cognitive Neuroscience of Memory" (2017-2018), "Trends in Cognitive Sciences" (2018-present), "Neurobiology of Language" (2019-present)	2017-present
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Bachelor's Programme in Psychology, Radboud University

Lecturer for "Brain and Cognition" (2017-present), "Applied Research Methods" (2020-present), Co-coordinator for "Language and Communication" (2019-present)	2017-present
Instructor for "Health Psychology", "Introduction to Brain Studies", "Introduction to General Psychology", "Theoretical Psychology" Lecturer for "Applied Research Methods in Brain Studies"	2010-2013

Media and Outreach

Print

[De Volkskrant](#) | [Algemeen Dagblad](#) | [The Asha Leader](#) | [The Daily Californian](#) | [Donders Newsletter](#)

Radio and podcast

[BNR nieuwsradio](#) | [Mindtrace Podcast: The SCIENCE of language](#) | Science Today on CBS Radio News

Online	Nemo Kennislink 1 Nemo Kennislink 2 Nemo Kennislink 3 Nemo Kennislink 4 California Magazine M.D./Alert Quartz NWO ZME Science Science Alert Fanpage.it	
Outreach	<p>Article contribution to O2, the magazine of the Dutch Association for Physiotherapy within Lymphology and Oncology (NVFL)</p> <p>Radio interview: Relatie Brein En Taal, GL8 Media</p> <p>Public talk: Hoe werkt ons taalsysteem? Over de relatie tussen taal en hersenen, <i>Loop- en Ontmoetingscentrum, Molenhoek</i></p> <p>Laureate presentation at Rubicon information meeting, <i>Radboud University, Nijmegen</i></p> <p>Interview and demo to high school students (Profielwerkstuk)</p> <p>Co-facilitator for Aphasia Stroke Support Group, <i>Veterans Affairs Hospital, Martinez, California, USA</i></p> <p>Team member for De Jonge Akademie on Wheels, <i>Openbaar Zeister Lyceum, Zeist</i></p>	2020 2018 2017 2016-2017 2014-2016 2008
Professional Activities		
Doctoral Examination Board	<p>Mansoureh Fahimi Hnazaee, <i>KU Leuven, Belgium</i></p> <p>Amie Fairs, <i>Radboud University, Nijmegen</i></p> <p>Ana Murteira, <i>Macquarie University, Sydney, Australia</i></p>	2019-present
PhD Opposition	<p><i>Radboud University, Nijmegen</i></p> <p>Flora Vanlangendonck Natalia Shitova Ashley Lewis Jim Herring Xiaochen Zheng Greta Kaufeld Kristijan Armeni Karen Dijkstra Federica Bartolozzi</p> <p><i>Other universities</i></p> <p>Guilia Krethlow, University of Geneva</p>	2017-present
Recruiting Committees	<i>Radboud University, Max Planck Institute for Psycholinguistics</i>	2016-present
Ad-hoc Reviewer	<p>See my Publons profile for details</p> <p>BMC Psychology; Brain; Brain and Development; Brain and Language; Brain Topography; Cerebral Cortex; Cognition; Collabra; Cortex; Emotion; Frontiers in Human Neuroscience; Frontiers in Language Sciences; Human Brain Mapping; Journal of Cognitive Neuroscience; Journal of Experiment Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of the International Neuropsychological Society; Journal of Neurolinguistics; Journal of Neuroscience; Language and Speech; Language, Cognition and Neuroscience; Nature Communications;</p>	2012-present

NeuroImage; Neuropsychologia; PLoS ONE; Proceedings of the National Academy of Sciences;
Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology

Guest lectures	The role of the psychologist in awake brain mapping. Lectures organised by Vakdispuut Brainwave. <i>Utrecht University, the Netherlands</i>	2021, 2022
	Language testing during awake brain surgery (and beyond). <i>University of Groningen, the Netherlands</i>	2020-present
	Producing words: The electrophysiology of memory and motor aspects of speaking. <i>University of Sao Paulo, Brazil</i>	2019, 2022

Organisation	Tutor for FieldTrip Toolkit, <i>Nijmegen, the Netherlands</i>	2019-present
	Research committee member, <i>Department of Medical Psychology, Radboudumc, Nijmegen</i>	2016-present
	Co-organiser of Psycholinguistics in Flanders Meeting, <i>Nijmegen, the Netherlands</i>	2012
	Organiser of the Language Division Meetings, <i>Donders Centre for Cognition</i>	2010-2013

Last updated: March 2023