

# Thomas Bart Tienkamp

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🌐 <https://www.rug.nl/staff/t.b.tienkamp>



## Employment History

- 2022 – present    📌 **Guest researcher** - Department of Oral and Maxillofacial surgery, University Medical Centre Groningen.
- 2021 – present    📌 **PhD Candidate** - Centre for Language and Cognition Groningen, University of Groningen.  
Thesis project: *Speech flexibility following oral cancer treatment: Acoustic and kinematic explorations. The SPOKE study*  
Thesis advisors: prof. dr. Martijn Wieling, prof. dr. Max Witjes, dr. Defne Abur, and dr. Sebastiaan de Visscher

## Education

- 2019 – 2021    📌 **MA (res) Linguistics** - University of Amsterdam. (GPA: 8.7)  
Thesis title: *The influence of lexical frequency and working memory on relative clause processing in Dutch*  
Thesis advisors: dr. Evy Visch-Brink, dr. Laura Bos, and dr. Ileana Grama
- 2016 – 2019    📌 **BA English Language and Culture** - University of Groningen. (GPA 7.5)  
Thesis title: *'Sad you said that!': The development of the /e/ and /ae/ lexical sets among Dutch secondary school students*  
Thesis advisor: prof. dr. Merel Keijzer

## Research Publications

### Journal Articles


- 1 **Tienkamp, T. B.**, Rebernik, T., Halpern, B. M., Abur, D., van Son, R. J. J. H., de Visscher, S. A. H. J., ... Wieling, M. B. (In prep). Quantifying changes in articulatory working space following oral cancer treatment. *Journal of Speech Language and Hearing Research*. Special issue following the 8th international conference on Speech Motor Control.
- 2 **Tienkamp, T. B.**, van Son, R. J., & Halpern, B. M. (2023). Objective speech outcomes after surgical treatment for oral cancer: An acoustic analysis of a spontaneous speech corpus containing 32.850 tokens. *Journal of Communication Disorders*, 101, 106292. [🔗 doi:10.1016/j.jcomdis.2022.106292](https://doi.org/10.1016/j.jcomdis.2022.106292)
- 3 **Tienkamp, T. B.**, Rebernik, T., Abur, D., van Son, R. J. J. H., de Visscher, S. A. H. J., Witjes, M. J. H., & Wieling, M. (2022). Preregistered protocol for: Articulatory changes in speech following treatment for oral or oropharyngeal cancer: A systematic review. [🔗 doi:10.48550/ARXIV.2209.06521](https://doi.org/10.48550/ARXIV.2209.06521)
- 4 Van den Berg, F., Brouwer, J., **Tienkamp, T. B.**, Verhagen, J., & Keijzer, M. (2022). Language entropy relates to behavioral- and pupil indices of executive control in young adult bilinguals. *Frontiers in Psychology*. [🔗 doi:10.3389/fpsyg.2022.864763](https://doi.org/10.3389/fpsyg.2022.864763)
- 5 **Tienkamp, T. B.** (2020). Help or hindrance? the influence of dutch on the acquisition of english phrasal verbs. *Linguistics in Amsterdam*, 13, 24–42.

## Conference Contributions

- 1 **Tienkamp, T. B.**, Rebernik, T., Abur, D., van Son, R. J. J. H., de Visscher, S. A. H. J., Witjes, M. J. H., & Wieling, M. B. (Submitted). Relationship between acoustic and kinematic vowel space in individuals treated for oral cancer. Manuscript in preparation for the 20th International Congress of the Phonetic Sciences.
- 2 Rebernik, T., Halpern, B. M., **Tienkamp, T. B.**, Jonkers, R., Noiray, A., van Son, R. J. J. H., ... Wieling, M. B. (2022). The effect of masking noise on oral cancer speech acoustics and kinematics. poster presentation. 8th International Conference on Speech Motor Control, Groningen, The Netherlands, August 24-27.
- 3 **Tienkamp, T. B.**, Rebernik, T., Halpern, B. M., Abur, D., van Son, R. J. J. H., de Visscher, S. A. H. J., ... Wieling, M. B. (2022). Quantifying changes in articulatory working space following oral cancer treatment. poster presentation. 8th International Conference on Speech Motor Control, Groningen, The Netherlands, August 24-27.
- 4 Van den Berg, F., **Tienkamp, T. B.**, Brouwer, J., Verhagen, J., & Keijzer, M. (2022). Investigating language entropy as a predictor of cognitive control in bilinguals using pupillometry. poster presentation. ISBPAC 2022, Tromsø, Norway, August 4-5.
- 5 **Tienkamp, T. B.**, Van den Berg, F., Brouwer, J., Verhagen, J., & Keijzer, M. (2021a). Investigating language entropy as a predictor of cognitive control in bilinguals using pupillometry. poster presentation. International Symposium on Bilingualism Warsaw, Poland, July 9-14.
- 6 **Tienkamp, T. B.** (2021). En parlant du passé: Past-reference in (semi-) spontaneous french aphasic speech. poster presentation. TABU Dag 41, Groningen, The Netherlands, June 10-11.
- 7 **Tienkamp, T. B.**, Van den Berg, F., Brouwer, J., Verhagen, J., & Keijzer, M. (2021b). Investigating language entropy as a predictor of cognitive control in bilinguals using pupillometry. poster presentation. Anéla juniorendag, Groningen, The Netherlands, April 23.




## Research Experience

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- Feb 2021 – July 2021  **Erasmus Medical Centre** - Rotterdam  
Project: *TEXT*  
Description: Recruiting, screening, testing of participants, using self-paced-reading. Construction of relative clause exercises that will be included in a new syntactic therapy programme for mild aphasia types to be published by Bohn Stafleu.  
Supervisors: dr. Evy Visch-Brink, dr. Laura Bos, and dr. Ileana Grama
- Sep 2020 – Mar 2021  **Bilingualism and Aging Lab** - Groningen  
Project: *Language entropy as a predictor of cognitive flexibility in bilinguals using pupillometry*  
Description: Recruiting, screening, testing of participants for a study using RT and pupillometry methodologies.  
Supervisors: Prof. dr. Merel Keijzer and dr. Josje Verhagen
- Feb 2020 – July 2020  **Netherlands Cancer Institute** - Amsterdam  
Project: *Objective speech outcomes after oral cancer treatment*  
Description: Phonemic transcription of a large speech corpus and performing acoustic analyses.  
Supervisors: dr. Rob van Son and Bence Halpern


## Skills

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- Languages  Dutch (native), English (C2), French (B1), German (B1)
- Programmes  R (data wrangling, visualisation, and statistical modelling),  $\LaTeX$ , Praat, ELAN, Audacity
- Statistics  (generalised) linear mixed effects regression, dimensionality reduction (PCA), rudimentary knowledge of generalised additive modelling (GAMs), and basic machine learning techniques (random forests, xgboost, and LASSO)



## Supervision

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- 2022  **Anouck Hollander** - MA in Speech and Language Pathology, Radboud University.  
Thesis title: *An analysis on vowel production in patients treated for oral cancer using acoustic measurements*  
Co-supervised with: Rob van Son and Bence Halpern

## Academic service

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- Journals  **Reviewer:** The journal of Voice and the Journal of Speech, Language, and Hearing Research
- Conferences  **Reviewer:** Advances in Quantitative Laryngology 2023  
**Planning Committee:** The 2023 ASHA Convention on Speech Motor Disorders across the life span

## Outreach

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- 2022  Noorderzon festival, Groningen, The Netherlands  
Festival della Scienza, Genoa, Italy  
Zwartecross, Lichtenvoorde, The Netherlands  
Zpannend Zernike, Groningen, The Netherlands  
The Spence School, New York City, United States of America
- 2021  Noorderzon festival, Groningen, The Netherlands  
Oktober Kindermaand, Groningen, The Netherlands

## References

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Available on Request