

# Willem S. van Boxtel

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## PERSONALIA

Citizen of the Netherlands / European Union Citizen  
Settled Status (Indefinite Leave to Remain) in the United Kingdom  
Skilled Worker (H1B) in the United States  
**Languages:** English (dominant/nativelike), Dutch (native), German (C2 CEFR)

## EDUCATION & EMPLOYMENT

**Louisiana State University**, Baton Rouge (LA, USA)  
*Assistant Professor of Communication Sciences and Disorders* (from August 2022)

**Purdue University Aphasia Lab**, West Lafayette (IN, USA)  
*Postdoctoral Fellow* (August 2022 { July 2024): Implicit structural priming as a treatment component in aphasia. *Principal Investigator:* Dr Jiyeon Lee, CCC-SLP.

**University of Essex**, Colchester (UK)  
*Doctor of Philosophy*, Psycholinguistics (August 2022). *Thesis title:* "A Matter of Memory: Sentence Comprehension in Healthy Aging". *Advisor:* Dr Laurel Lawyer.

**University of Essex**, Colchester (UK)  
*Master of Arts MA*, with distinction, Psycholinguistics (September 2019)

**Birmingham City University**, Birmingham (UK)  
*Bachelor of Arts with Honours*, with distinction, English (July 2018)

## RESEARCH INTERESTS

- Sentence processing, complex syntactic operations, linguistic prediction, in adult neurogenic disorders and healthy aging;
- Cognitive mechanisms underlying sentence processing in impaired speech and speech across the lifespan (implicit learning, Working Memory, processing speed)
- Advanced statistical modelling, including multilevel modelling for proportional / bounded variables, applied Bayesian models, Beta and zero-inflated regression.
- Experimental methods applied to cognition and language impairments, using neuroimaging methods to study underlying cognitive patterns during language processing.
- Development & application of new experimental & treatment techniques, including webcam-based eye-tracking and structural priming.

## AWARDS & HONORS

Speech, Language, and Hearing Sciences Outstanding Research Contribution Award	Feb 2024
Purdue Health and Human Sciences Life Inspired Research Event First Place Poster Award	March 2023
Associate Fellow of the United Kingdom Higher Education Academy (commended)	Jul 2021 - Present
Howard Jackson Prize (Birmingham City University)	Jun 2018

## PUBLICATION RECORD

**Van Boxtel, W.S.**, Linge, M., Manning, R.C.G., Haven, L., and Lee, J. (2024). Online Eye Tracking for Aphasia: A Feasibility Study Comparing Web and Lab Tracking and Implications for Clinical Use. *Brain and Behavior*, 14(11). <https://doi.org/10.1002/brb3.70112>.

**Van Boxtel, W.S.** & Lawyer, L.A. (2024). A Matter of Memory? Age-Invariant Relative Clause Disambiguation And Memory Interference in Older Adults. *Thematic Issue on Language Change and Impairment in Healthy Aging, Topics in Cognitive Science*. <https://doi.org/10.1111/tops.12753>.

Jerro, K., O'Gara, F., Ngoboka, J.P., Lawyer, L.A., and **Van Boxtel, W.S.** (2024). Meaning or Morphology: Individual Differences in the Categorization of Kinyarwanda Nouns. *Glossa Psycholinguistics*. <https://doi.org/10.5070/G6011226>.

**Van Boxtel, W.S.**, Cox, B.N., Keen, A., and Lee, J. (2023). Planning sentence production in aphasia: evidence from structural priming and eye-tracking. *Frontiers in Language Sciences*, 2, 1175579. <https://doi.org/10.3389/flang.2023.1175579>

**Van Boxtel, W.S.** & Lawyer, L.A. (2023). In the Prime of Life: ERP Evidence for Syntactic Comprehension Priming in Older Adults. *Journal of Language and Aging Research*, 1(1). <https://doi.org/10.15460/jlar.2023.1.1.1108>.

**Van Boxtel, W.S.** & Lawyer, L.A. (2022). Syntactic Comprehension Priming and Lexical Boost Effects in Older Adults. *Language, Cognition, Neuroscience*. <https://doi.org/10.1080/23273798.2022.2091151>

**Van Boxtel, W.S.** & Lawyer, L.A. (2021). Sentence Comprehension in Aging and Alzheimer's Disease. *Language and Linguistics Compass*, vol.15(6). DOI: <https://doi.org/10.1111/lnc3.12430>.

**Under review:**

Lee, J., **Van Boxtel, W.S.**

### **In Preparation:**

Lee, J., **Van Boxtel, W.S.**, Keen, A., and Man, G. (in prep.) Visual attention in word order choice: evidence from eyetracking in aging and aphasia. <https://osf.io/twzpn/>.

**Van Boxtel, W.S.**, Zhang, P., Martin, N., Ferreira, V., and Lee, J. (in prep.) Cross-modality treatment generalization in agrammatic sentence comprehension: Evidence from webcam-based eye-tracking. <https://osf.io/rhbue/>.

**Van Boxtel, W.S.**, Zhang, P., Rainey, K.M., Martin, N., Ferreira, V., and Lee, J. (in prep.) Structural priming as a reliable sentence production treatment in aphasia despite lacking lexical amplification. <https://osf.io/d9sxx/>.

## **FUNDING & GRANTS | CURRENT**

PI

Committee Member { Department of Communication Sciences  
and Disorders Admissions Committee

Fall 2024{present

## TEACHING EXPERIENCE

<b>Main Instructor</b> , Special Topics in Linguistics (Louisiana State Univ. COMD7750)	Spring 2025
<b>Main Instructor</b> , Anatomy & Physiology for Speech and Hearing Sciences (Louisiana State Univ. COMD4250)	Fall 2024 { Present
<b>Main Instructor</b> , Phonetics (Louisiana State Univ. COMD / LING 3150)	Fall 2024
<b>Co{Instructor</b> , Language Disorders in Adults (Purdue Univ. SLHS531); <i>Principal instructor: Dr Jiyeon Lee, CCC-SLP.</i>	Spring 2024
<b>Visiting Lectures</b> , Speech-Language Disorders in Health Care	Autumn 2023

