

Dirk Barend (Dirk-Bart)
den Ouden, PhD.

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EDUCATION

31 AUGUST 1995

MA (cum laude), English Language & Literature, University of Groningen

31 MAY 1996

MA (cum laude), General Linguistics, University of Groningen

16 MAY 2002

PhD, Neurolinguistics, University of Groningen

LANGUAGES

Dutch, Native speaker

English, Near-native competence

German, Professional working proficiency

French, Professional working proficiency

ACADEMIC POSITIONS

2018 – 2022

Graduate Director, Dept. of Communication Sciences and Disorders, UofSC

2016 – PRESENT

Associate Professor, Dept. of Communication Sciences and Disorders, UofSC

2010 – PRESENT

Director Neurolinguistics Laboratory, Dept. of Communication Sciences and Disorders, UofSC

2010 – 2016

Assistant Professor, Dept. of Communication Sciences and Disorders, UofSC

2008 – 2010

Research Associate at the Aphasia and Neurolinguistics Research Laboratory, School of Communication, Northwestern University (NU)

2008

Adjunct Lecturer, School of Communication, NU

2006 – 2007

Post-Doctoral Fellow at the Aphasia and Neurolinguistics Research Laboratory, School of Communication, NU. Project: Neural correlates of aphasia treatment and recovery: fMRI investigations

2002 - 2005

Post-Doctoral Fellow at the Center for Language and Cognition Groningen, Department of Dutch, University of Groningen (RUG). Project: The role of the verb in Dutch during online spoken sentence processing and spoken sentence production

1999 - 2000

Lecturer, Department of English, RUG

1996 - 2001

Researcher in Training, on a grant from the Netherlands Organization for Scientific Research (NWO). Project: Phonological encoding deficiencies in conduction aphasia

GRANTS

APRIL 2021– MARCH 2026 **NIH P50 DC014664**

Title: Center for the Study of Aphasia Recovery (C-STAR)

Role: Principal Investigator on Project-001 (293): Telerehab for Aphasia (TERRA)

Principal Investigator P50: J. Fridriksson, PhD

The purpose of C-STAR is to accomplish trans-disciplinary research to improve understanding of brain plasticity that supports aphasia recovery. This is the first 5-year renewal of the grant.

APRIL 2019 – MARCH 2024 **Excellence Initiative**, University of South Carolina

Title: Aging Brain Cohort at the University of South Carolina (ABC@UofSC)

Role: Collaborator (collaboration between 20+ faculty members at UofSC)

Principal Investigator: J. Fridriksson, PhD

The goal of this project is to build a comprehensive cross-sectional and longitudinal database that includes factors related to brain structure and function, genetics, diet, physical health, social status, and neuropsychological testing.

MARCH 2019 – JUNE 2019 **SC Humanities** (Mini Grant # 19-1910-2)

Title: Play on Words: An Aphasic Drama Group

Role: Principal Investigator

This grant is in support of a drama group with actors who have aphasia. A self-generated play, “Don’t Have a Stroke on a Friday Night”, was performed in May 2019.

MARCH 2016 – MARCH 2021 **NIH P50 DC014664**

Title: Center for the Study of Aphasia Recovery (C-STAR)

Role: Co-Investigator on Project-001 (032): Modeling treated recovery from aphasia

Principal Investigator: J. Fridriksson, PhD

The purpose of C-STAR is to accomplish trans-disciplinary research to improve understanding of brain plasticity that supports aphasia recovery.

SEPT. 2013 – AUG. 2014 **SCTR Discovery Grant** (SCTR Grant# FY13 1407)

Title: Name Gaming: Development of a computerized speech rehabilitation method for independent use by speakers with aphasia after stroke

Role: Principal Investigator

This study developed and tested a computer program that allows autonomous drilling of speech output, relying on automated speech recognition and a gaming environment.

MAY 2013 – SEPT. 2014 **ASPIRE I**, University of South Carolina

Title: Cortical stimulation of verb-argument-structure processing

Role: Principal Investigator

This study aimed to validate the optimal target site for HD-tDCS to improve verb argument structure processing, hypothesized to result in improved sentence processing and production in aphasic speakers.

SEPT. 2012 – FEB. 2014 **NSF BCS-1225753**

Title: Theories of Sentence Processing and the Neuroscience of Language: Special Session at the 2013 CUNY Conference on Human Sentence Processing

Role: Co-Investigator

Principal Investigator: F. Ferreira, PhD

MAY 2012 – AUGUST 2013 **ASPIRE-III**, University of South Carolina

Title: MRI Simulator Shared Laboratory

Role: Co-PI

Principal Investigators: C. Rorden, PhD & J. Richards, PhD

Intramural funds for the acquisition of an MRI-simulator for participant and research staff training at the McCausland Center for Brain Imaging, UofSC.

APRIL 2009 – MAY 2011 **NIH R21 DC010036 1**

Title: Neurolinguistic intervention and cortical stimulation in agrammatic aphasia

Role: Co-Investigator

Principal Investigators: R.M. Levy, MD, PhD & C.K. Thompson, PhD

The goal of this project was to investigate how linguistically grounded intensive language treatment for individuals with aphasia after stroke can be enhanced by cortical stimulation, performed with implanted electrodes.

AWARDS

Canadian Studies Graduate Student Research Award, granted by Department of Foreign Affairs and International Trade of Canada and the International Council for Canadian Studies (ICCS), to work at the *Centre de recherche de l'institut universitaire de gériatrie de Montréal*, from March to June 1998.

Best Student Paper, Conference prize, 7th annual conference of the International Clinical Phonetics and Linguistics Association (ICPLA), Montréal, Canada, 17-19 May 1999.

Dissertation Prize 2002, Best linguistics dissertation in the Netherlands, awarded by the AVT (Linguistic Society of the Netherlands) and ANÉLA (*Association néerlandaise de linguistique appliquée*).

Taalgala publieksprijs 2003, Public award for best presentation at the 2003 Language Gala of the AVT (Linguistic Society of the Netherlands) and ANÉLA (*Association néerlandaise de linguistique appliquée*).

National Stuttering Association Research Fund Award, 2013, with Emily Garnett, MS, CCCSLP.

Project: “Effects of Cortical Stimulation on Self-Monitoring Performance in People Who Stutter”.

Erasmus Mundus Scholarship, 2022, to teach in the European Master program in Clinical Linguistics+ (EMCL+) at the University of Ghent, Belgium, between July 4th and July 15th, 2022.



TEACHING

Doctoral independent studies: The Grounding of Linguistic Markedness (COMD 800, UofSC);
Phonology and Phonetics of Speech Production (LING 806, UofSC)

Summer School, Introduction to Contemporary Neurolinguistics, National Research University Higher School of Economics (HSE), Moscow, Russia. Seminars: “Neurolinguistic findings with fMRI”, “tDCS/TMS: Basics of the method”, “Neurolinguistic findings with tDCS/TMS”, “tDCS/TMS lab”, “Brain stimulation in speech production research”, “Brain stimulation in aphasia recovery” (Sept. 1-5, 2014; June 22-24, 2017)

Summer School on Language, Cognition and Neuroscience, The Hong Kong Polytechnic University, Hong Kong, tDCS workshop (Aug. 7-8, 2019)

European Master’s in Clinical Linguistics ++ (EMCL ++), University of Gent, Belgium, “Syntax in Aphasia” (July 4-8, 2022), “Brain Stimulation” (July 11-15, 2022)

Netherlands Graduate School of Linguistics (LOT), University of Amsterdam, The Netherlands, “The Neurolinguistics of Syntax” (Jan. 7-11, 2019)

COMD-805: Advanced Study of Language Disorders in Adults (UofSC)

COMD-501: Anatomy and Physiology of the Speech and Hearing Mechanism (UofSC)

COMD-705: Adult Speech, Language, and Cognitive Disorders (UofSC)

COMD-790: Introduction to Research Methods in Speech and Language Pathology (UofSC)

COMD-822: Normal Basis of Speech Production (UofSC)

COMD-823: Normal Basis of Language (UofSC)

COMD-710: Linguistic Structure in Aphasia (UofSC)

LING-710: Introduction to Phonology (UofSC)

CSD-495-1: Disorders of Language Representation and Processing (NU)

Phonetics & Phonology, undergraduate and graduate levels (RUG)

History of Aphasiology (RUG)

Translation Dutch – English (RUG)

English Proficiency (RUG)

Dutch Proficiency for English speakers (University College London)

SUPERVISED DOCTORAL THESES

Lee, E.H., *Spanish-speaking learners’ acquisition of English VPE and WH-extraction out of VPE*, Linguistics, U. of South Carolina, June 2012 (Committee member)

Wang, J., *Using Multivariate Pattern Analysis to Identify Conceptual Knowledge Representation in the Brain*, Experimental Psychology, U. of South Carolina, July 2013 (Committee member)

CV Dirk-Bart den Ouden

- Shepherd, J.J.**, *Benefits of Video Games in Multidisciplinary Scientific Research*, Computer Science, Engineering & Computing, U. of South Carolina, November 2014 (Committee member)
- Malyutina, S.**, *Neural correlates of verb argument structure processing*, Communication Sciences and Disorders, U. of South Carolina, June 2015 (Director)
- Garnett, E.O.**, *Speech production in fluency disorders*, Communication Sciences and Disorders, U. of South Carolina, July 2015 (Director)
- Basilakos, A.A.**, *Towards Improving the Evaluation of Speech Production Deficits in Chronic Stroke*, Communication Sciences and Disorders, U. of South Carolina, June 2016 (Committee member)
- Cheng, W.**, *Implicit Causality And Consequentiality In Native And Non-Native Coreference Processing*, Linguistics Program, University of South Carolina, July 2016 (Committee member)
- Baird, J.**, *The Effect of Exercise Intensity on Brain-Derived Neurotrophic Factor and Motor Learning*, Exercise Science, University of South Carolina, December 2017 (Committee member)
- Kolar, M.**, *Enhancing Dancing: Examining the Potency of a Combined Action Observation & Brain Stimulation Intervention*. Exercise Science, University of South Carolina, May 2018 (Committee member)
- Joharikhatoonabad, K.**, *Behavioral and Neural Correlates of Aging Effects on Temporal Predictive Mechanisms During Speech Production and Limb Movement*. Communication Sciences and Disorders, U. of South Carolina, May 2019 (Committee member)
- Fahey, D.**, *The Shape of the Bilingual Mental Lexicon: Testing the diversity of cognates*. Linguistics Program, University of South Carolina, December 2020 (Committee member)
- Galkina, E.**, *Vowel Quality in Second-Language Acquisition*. Linguistics Program, University of South Carolina, Projected 2021 (Committee member)
- Foster Lewis, A.**, *Effects of Social Comparative Feedback During Practice on Motor Sequence Learning and Resting State Connectivity*. Exercise Science, University of South Carolina, May 2022 (Committee member)
- Kristinsson, S.**, *Towards Understanding Therapy Response in Chronic Aphasia*. Communication Sciences and Disorders, U. of South Carolina, July 2021 (Committee member)
- Johnson Norris, L.**, *Neural Synchrony During Naturalistic Language Perception in Listeners with Aphasia*. Communication Sciences and Disorders, U. of South Carolina, July 2021 (Committee member)
- Keator, L.M.**, *Transcranial alternating current stimulation as an adjuvant for nonfluent aphasia therapy: A proof-of-concept study*. Communication Sciences and Disorders, U. of South Carolina, June 2022 (Committee member)
- Sangtian, S.** *Behavioral and neurophysiological measures of speech auditory feedback processing impairment in left hemisphere stroke*. Communication Sciences and Disorders, U. of South Carolina, November 2022 (Co-Director)
- Riccardi, N.** *Neuroanatomy of the semantic system*. Psychology. U. of South Carolina, May 2023 (Committee member)
- Wilson, S.** *Partner-Specific Alignment Across Multiple Linguistic Levels in Dialogue*. Linguistics Program. U. of South Carolina, Projected 2025 (Committee member)
- Hammond, L.** *Measures of Functional Communication in Aphasia*. Communication Sciences and Disorders, U. of South Carolina, Projected 2026 (Director)
- Nemati, S.** *Lexical Access in Aphasia*. Communication Sciences and Disorders, U. of South Carolina, Projected 2024 (Committee member)

SUPERVISED HONORS/MASTER'S THESES

- Veldkamp, M.**, *Fonemische parafasieën bij conductie-afasie: De positie van een woord in de fonologische hiërarchie als beïnvloedende factor* (Phonemic paraphasias in conduction aphasia: The position of the word in the phonological phrase as a factor of influence). Dept. of General Linguistics, U. of Groningen, July 1997 (2nd Reader)
- Neelen, M.**, *Fonemische parafasieën bij conductie-afasie: Een gevalsbeschrijving in termen van syllabecomplexiteit* (Phonemic paraphasias in conduction aphasia: A case description in terms of syllable complexity). Dept. of Dutch, U. of Groningen, August 1997. (2nd Reader)
- Jalvingh, F.**, *De ongelijke tred van de sonoriteitshiërarchie* (Unequal steps in the sonority hierarchy). Dept. of Dutch, U. of Groningen, August 1998. (2nd Reader)
- De Kok, M.**, *Fonologische fouten in afatische taalproductie: Een two case study* (Phonological errors in aphasic speech production: A two-case study). Dept. of Dutch, U. of Groningen, August 1998. (2nd Reader)
- Mitkish, M.**, *Effects of syntactic cues on eye movements during sentence comprehension in young adults*. Honors College, U. of Pittsburgh, April 2015. (Committee member)
- Sharpe, V.**, *The Role of Action-Relatedness as a Principle of Neural Organization*. Honors College, U. of South Carolina, April 2015. (Director)
- Sangtian, S.**, *Neural and Behavioral Correlates of Planning During Vocal Motor Control*. Dept. of Communication Sciences and Disorders, MSP program, U. of South Carolina, May 2016. (Committee member)
- Bradford, S.B.**, *Neuroanatomical Correlates of Speech and Melody Repetition in Chronic Stroke*. Dept. of Communication Sciences and Disorders, MSP program, U. of South Carolina, May 2018. (Committee member)
- Wilson, S.**, *Lexical and Syntactic Priming in Dialogue*, Linguistics Program, U. of South Carolina, January 2022. (Committee member)
- Fisher, E.**, *Use of eye-tracking to examine orthographic and phonological knowledge in beginning readers*. July 2022. (Committee member)
- Jarrold, L.**, *Semantic and cognitive processing in aphasia*. Dept of COMD, U. of South Carolina, July 2022. (Director)
- Andriello, E.**, *Assessment of speech tasks during neural modulation of the tongue motor cortex in healthy participants*. Honors College, U. of South Carolina, November 2022. (Director)
- Vlach, K.**, *Phoneme stability and similarity in speech production of cognate and non-cognate nouns in a bilingual with aphasia*. Dept of COMD, U. of South Carolina, August 2023. (Director)

EDITORIAL WORK

1992 - 1993

Editor of FILE: A Literary Journal, University of Groningen.

1997 - 2005

Contributor to Afasiologie, magazine for Dutch speech therapists.

2003 - 2005

Editor of TABU, *Bulletin voor Taalwetenschap*, linguistics journal.

2004 - 2005

Editor/contributor *BCN Nieuwsbrief*, newsletter of the School of Behavioural and Cognitive Neurosciences, University of Groningen

2015 - 2016

Member of Editorial Board, Journal of Speech Pathology and Therapy

2018 – PRESENT

Guest Editor, American Journal of Speech-Language Pathology

2002 – PRESENT

Manuscript Reviewer:

Alzheimer Disease & Associated Disorders - An International Journal; American Journal of Alzheimer's Disease and Other Dementias; American Journal of Speech-Language Pathology; Aphasiology; Brain; Brain and Language; Brain Communications; Brain Connectivity; Brain Topography; Canadian Journal of Linguistics/Revue Canadienne de Linguistique; Clinical Linguistics & Phonetics; Cerebral Cortex; Cognitive Neuropsychology; Cognitive Processing; Communications Biology; Cortex; Disability and Health Journal; eLife; Frontiers in Human Neuroscience; Human Brain Mapping; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Memory and Language; Journal of Neurolinguistics; Journal of Neuroscience; Journal of Psycholinguistic Research; Journal of Speech, Language, and Hearing Research; Language and Cognitive Processes; Language, Cognition and Neuroscience; Nature Human Behavior; Neurobiology of Language; Neurocase; NeuroImage; Neuromodulation: Technology at the Neural Interface; Neuropsychologia; Neuropsychological Rehabilitation; Phonology; PLOS Digital Health; PLOS One; Poznan Studies in Contemporary Linguistics; Psychological Review; Restorative Neurology and Neuroscience.

2010 – PRESENT

Grant Reviewer:

Alexander von Humboldt Foundation; National Science Foundation; Health Research Council of New Zealand; South Carolina Clinical and Translational Research Institute; The Dunhill Medical Trust (UK); City University of New York internal Collaborative Grants; Stroke Association (UK); Research Grants Council of Hong Kong (China); National Institutes of Health, Language and Communication (member conflict substitute - LCOM). NIH/National Institute of General Medical Sciences - SCORE, Swiss National Science Foundation.

PROFESSIONAL MEMBERSHIPS

Academy of Aphasia

American Speech and Hearing Association

Society for the Neurobiology of Language

Associate Faculty of the UofSC Walker Institute of International and Area Studies

FURTHER ACTIVITIES

ADMINISTRATIVE

2004 - 2005

Secretary of the Board of the University Theatre Groningen

2004 - 2005

CV Dirk-Bart den Ouden

- Vice Chair (2004) and Chair (2005) of the Partij van de Arbeid (Labor Party) in the province of Groningen, The Netherlands
- 2013
Co-organizer CUNY conference on sentence processing, UofSC, March 2013
- 2012 - 2015
Faculty Senate, UofSC
- 2015
Co-organizer Workshop Neural Plasticity and Learning, UofSC, October 2015
- 2015 - 2018
UofSC Graduate Council, Vice Chair (2016), Chair (2017)
- 2015 - 2016
UofSC Graduate School Fellowships and Scholarships Committee
- 2016 - 2017
UofSC Graduate School Academic Policies and Practices Committee (Chair)
- 2016 - 2017
Program Committee, Clinical Aphasiology Conference 2017
- 2016 - PRESENT
Organizer online lecture series and workshops for C-STAR (Center for the Study of Aphasia Recovery, UofSC): <https://cstar.sc.edu/lecture-series/>
- 2018 - 2019
Program Committee, Clinical Aphasiology Conference 2019
- 2019 - 2021
Program Committee, Academy of Aphasia, Vice Chair (2020), Chair (2021)
- 2020 – 2021
Fostering Quality of Spoken Discourse in Aphasia (FOQUSAphasia) Steering Group; Best Practices working group.
- 2022–2023
Program Committee, Clinical Aphasiology Conference 2023
- 2022—PRESENT
Executive Committee, Institute for Mind and Brain, UofSC

MEDIA

- 2006 - 2007
Several appearances as panelist on *River West Flowing*, CAN-TV, Chicago (speaking about aphasia and neurolinguistics)

MUSIC/DRAMA

- 1986 - PRESENT
Singer/songwriter with several popbands, a.o. *FIASCO* (CD: Sporen, 1996), *Nanninga* (CD: Nanninga, 2000)
- 1989 – 1999
Actor with several theatre groups (Groningen, NL, and London, UK)
- 2000
Director of Theatre Group *Tante Evert*
- 2019 – PRESENT
Founder and Co-director of *Play on Words: An Aphasic Drama Group* (UofSC)

SPORTS

2007 – 2012

Youth recreational soccer coach (ages 6-10), American Youth Soccer Organization (AYSO)
Evanston, IL; South Carolina United FC.

2015 – PRESENT

Certified instructor for Basic Keelboat Sailing (ASA 101), American Sailing Association.

PUBLICATIONS

* = in Dutch

Student authors under my supervision are underlined.

PEER-REVIEWED JOURNAL PAPERS (50+)

Roth, R., Busby, N., Wilmskoetter, J., Schwen Blackett, D., Gleichgerrcht, E., Johnson, L., Rorden, C., Newman-Norlund, R., Hillis, A. E., **Den Ouden, D. B.**, Fridriksson, J., & Bonilha, L. (2023).

Diabetes, brain health, and treatment gains in post-stroke aphasia. *Cerebral Cortex*, 33(13), 8557-8564. <https://doi.org/10.1093/cercor/bhad140>

Busby, N., Newman-Norlund, S., Sayers, S., Newman-Norlund, R., Wilmskoetter, J., Rorden, C., Nemati, S., Wilson, S., Riccardi, N., Roth, R., Johnson, L., **Den Ouden, D. B.**, Fridriksson, J., & Bonilha, L. (2023). Lower socioeconomic status is associated with premature brain aging. *Neurobiology of Aging*, 130, 135-140.

Matchin, W., **Den Ouden, D.-B.**, Basilakos, A., Stark, B. C., Fridriksson, J., & Hickok, G. (2023). Grammatical Parallelism in Aphasia: A Lesion-Symptom Mapping Study. *Neurobiology of Language*, 1-25. https://doi.org/10.1162/nol_a_00117

Den Ouden, D.B. & Duffy, P. (2022) "Play on Words": An analysis of a participatory play-making process with speakers with aphasia. *Aphasiology*. <https://doi.org/10.1080/02687038.2022.2159313>

Kristinsson, S., Basilakos, A., **Den Ouden, D.B.**, Elm, J., Spell, L.A., Bonilha, L., Rorden, C., Hillis, A.E., Hickok, G., Johnson, L., Hetherington, N., Walker, G.M., McLain, A., & Julius Fridriksson (2023) Predicting Outcomes of Language Rehabilitation (POLAR): Prognostic factors for immediate and long-term outcomes after aphasia therapy. *Journal of Speech, Language, and Hearing Research*, 66, 3, 1068-1084.

Lewis, A., Bohnenkamp, R., Johnson, L., **Den Ouden, D.B.**, Wilcox, S., Fritz, S.L., and Campbell Stewart, J. (2023) Effects of positive social comparative feedback on motor sequence learning and performance expectancies. *Frontiers in Psychology*. 13:1005705.

Kristinsson, S., Busby, N., Rorden, C., Newman-Norlund, R., **Den Ouden, D.B.**, Magnusdottir, S., Hjaltason, H., Thors, H., Hillis, A., Kjartansson, O., Bonilha, L., and Fridriksson, J. (2022) Brain Age predicts long-term recovery in post-stroke aphasia. *Brain Communications*, 4 (5), fcac252.

Walker, G. M., Fridriksson, J., Hillis, A. E., **Den Ouden, D. B.**, Bonilha, L., & Hickok, G. (2022). The Severity-Calibrated Aphasia Naming Test. *Am J Speech Lang Pathol*, 31(6), 2722-2740. https://doi.org/10.1044/2022_ajslp-22-00071

Matchin, W., **Den Ouden, D.-B.**, Hickok, G., Hillis, A. E., Bonilha, L., & Fridriksson, J. (2022). Reply: The Wernicke conundrum is misinterpreted. *Brain*, 146(4), e23-e24. <https://doi.org/10.1093/brain/awac483>

Matchin, W., den Ouden, D.-B., Hickok, G., Hillis, A. E., Bonilha, L., & Fridriksson, J. (2022). The Wernicke conundrum revisited: evidence from connectome-based lesion-symptom mapping. *Brain*, 145(11), 3916-3930. <https://doi.org/10.1093/brain/awac219>

Den Ouden, D.B. & Zhu, M.W. (2022) Neuromodulation of verb-transitivity judgments. *Journal of Neurolinguistics*, 63, 101088. <https://doi.org/10.1016/j.jneuroling.2022.101088>

- Kristinsson, S., **Den Ouden, D.B.**, Rorden, C., Newman-Norlund, R., Neils-Strunjas, J., and Fridriksson, J. (2022) Predictors of Therapy Response in Chronic Aphasia: Building a Foundation for Personalized Aphasia Therapy. *Journal of Stroke*, 24(2), 189-206. <https://doi.org/10.5853/jos.2022.01102>
- Stark, B., Bryant, L., Themistocleous, C., **Den Ouden, D.B.**, & Roberts, A. (2022) Best Practice Guidelines for Reporting Spoken Discourse in Aphasia and Neurogenic Communication Disorders. *Aphasiology*. 1-24. <https://doi.org/10.1080/02687038.2022.2039372>
- Matchin, W., Basilakos, A., **Den Ouden, D.B.**, Stark, B.C., Hickok, G., and Fridriksson, J. (2022) Functional differentiation in the language network revealed by lesion-symptom mapping. *NeuroImage*, 247, 118778. <https://doi.org/10.1016/j.neuroimage.2021.118778>
- Gleichgerrcht, E., Fridriksson, J., DelGaizo, J., **Den Ouden, D.B.**, Hickok, G., Rorden, C., Wilmskoetter, J., Hillis, A.E., Bonilha, L. (2021) Neural bases of elements of syntax during speech production. *Brain and Language*, 222, 105025. <https://doi.org/10.1016/j.bandl.2021.105025>
- Kristinsson, S., Basilakos, A., Elm, J., Spell, L. A., Bonilha, L., Rorden, C., **Den Ouden, D. B.**, Cassarly, C., Sen, S., Hillis, A., Hickok, G., & Fridriksson, J. (2021). Individualized response to semantic versus phonological aphasia therapies in stroke. *Brain Commun*, 3(3), fcab174. <https://doi.org/10.1093/braincomms/fcab174>
- Themistocleous, C., Ficek, B., Webster, K., **Den Ouden, D.B.**, Hillis, A.E., & Tsapkini, K. (2021) Automatic subtyping of individuals with Primary Progressive Aphasia. *Journal of Alzheimer's Disease*, 79(3), 1185-1194.
- Matchin, W., Basilakos, A., Stark, B.C, **Den Ouden, D.B.**, Fridriksson, J. & Hickok, G. (2020), Agrammatism and paragrammatism: a cortical double dissociation revealed by lesion-symptom mapping. *Neurobiology of Language*, 1(2), 208-225.
- Behroozmand, R., Johari, K., Bridwell, K., Hayden, C., Fahey, D. & **Den Ouden, D.B.** (2020) Modulation of vocal pitch control through high-definition transcranial direct current stimulation of the left ventral motor cortex. *Experimental Brain Research*, 238(6), 1525-1535.
- Fahey, D. & **Den Ouden, D.B.** (2020) Asymmetric binarity as a cognitive universal: The rhythm of syntactic structures. *Journal of Neurolinguistics*. 54. <https://doi.org/10.1016/j.jneuroling.2020.100889>.
- Stark, B.C., Dutta, M., Murray, L., Bryant, L., Fromm, D., MacWhinney, B., Ramage, A., Simmons-Mackie, N., Roberts, A., Fergadiotis, G., **Den Ouden, D.B.**, Brock, K., McKinney-Bock, K., Paek E.J., Harmon, T., Themistocleous, C., Yoo, H., Yoon, S.O., Sharma, S., Aveni, K., Gutierrez, S., Doppelbauer, L., Bunker, L.D. (2020), Standardizing assessment of spoken discourse in aphasia: A working group with deliverables. *American Journal of Speech-Language Pathology*, 1-12. <https://doi.org/10.31234/osf.io/e6r3x>
- Kristinsson, S., Thors, H., Yourganov, G., Magnúsdóttir, S., Hjaltason, H., Stark, B.C., Basilakos, A., **Den Ouden, D.B.**, Bonilha, L., Rorden, C., Hickok, G., Hillis, A.E., & Fridriksson, J. (2020). Brain damage associated with impaired sentence processing in acute aphasia. *Journal of Cognitive Neuroscience*, 32(2), 256-271.
- Johari, K., **Den Ouden, D.B.**, & Behroozmand, R. (2019). Behavioral and neural correlates of normal aging effects on motor preparatory mechanisms of speech production and limb movement. *Experimental Brain Research*, 237(7), 1759-1772.
- Den Ouden, D.B.**, Malyutina, S., Basilakos, A., Bonilha, L., Gleichgerrcht, E., Yourganov, G., Hillis, A.E., Hickok, G., Rorden, C. & Fridriksson, J., (2019), Cortical and structural-connectivity damage correlated with impaired syntactic processing in aphasia. *Human Brain Mapping*. 40(7), 2153-2173.

- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C. (2018) The Effect of Energy-Matched Exercise Intensity on Brain-Derived Neurotrophic Factor and Motor Learning. *Neurobiology of Learning and Memory*, 156, 33-44.
- Johari, K., **Den Ouden, D.B.**, & Behroozmand, R. (2018) Effects of aging on temporal predictive mechanisms of speech and hand motor reaction time. *Aging Clinical and Experimental Research*, 30(10), 1195–1202.
- Fridriksson, J., **Den Ouden, D.B.**, Hillis, A.E., Hickok, G., Rorden, C., Basilakos, A., Yourganov, G & Bonilha, L. (2018) Anatomy of aphasia revisited. *Brain*, 141 (3), 848–862.
- Feenaughty, L., Basilakos, A., Bonilha, L., **Den Ouden, D.B.**, Rorden, C., Stark, B., Fridriksson, J. (2017) Non-fluent speech following stroke is caused by impaired efference copy. *Cognitive Neuropsychology*, 34(6), 333-346.
- Den Ouden, D.B.**, Galkina, E., Basilakos, A. & Fridriksson, J. (2018) Vowel formant dispersion reflects severity of Apraxia of Speech. *Aphasiology*, 32:8, 902-921.
- Basilakos, A., Yourganov, G., **Den Ouden, D.B.**, Fogerty, D., Rorden, C., Feenaughty, L. & Fridriksson, J. (2017) A multivariate analytic approach to the differential diagnosis of apraxia of speech. *Journal of Speech, Language, and Hearing Research*, 60, 3378-3392.
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ABSTRACTS, PROCEEDINGS, and PREPRINTS

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Walker, G. M., Fridriksson, J., Hickok, G., **Den Ouden, D.**, & Hillis, A. (2022, February 28). *The Severity-Calibrated Aphasia Naming Test.* Preprint: <https://doi.org/10.31234/osf.io/abnfh10.31234/osf.io/abnfh>

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PRESENTATIONS

2023

- Den Ouden, D.B.**, Kristinsson, S., Bonilha, L., Hickok, G., Hillis, A., Rorden, C., Stark, S. & Fridriksson, J. "Neural predictors of narrative-discourse outcomes after naming intervention in aphasia" (poster) *15th Annual Meeting of the Society for the Neurobiology of Language*, Marseille, France, October 24-26.
- Harrington, R., Kristinsson, S., Wilmskoetter, J., Busby N., **Den Ouden, D.B.**, Rorden, C., Fridriksson, J., & Bonilha, L. "Dissociating reading and auditory comprehension in persons with aphasia" (poster) *15th Annual Meeting of the Society for the Neurobiology of Language*, Marseille, France, October 24-26.
- Wilson, S.C., Langley, S., Warren, K., **Den Ouden, D.B.**, & Almor, A. "Transcranial Direct Current Stimulation of the Superior Parietal Cortex Modulates Reference Processing" (poster) *15th Annual Meeting of the Society for the Neurobiology of Language*, Marseille, France, October 24-26.
- Den Ouden, D.B.**, Kristinsson, S., Bonilha, L., Hickok, G., Hillis, A., Rorden, C., Stark, B. & Fridriksson, J., "Narrative discourse measures as predictors of response to naming intervention in aphasia", *Clinical Aphasiology Conference 2023*, Atlantic City, NJ, May 30-June 3.
- Hammond, L. & **Den Ouden, D.B.**, "Formally Assessing Functional Communication in Persons with Aphasia" (poster), *Clinical Aphasiology Conference 2023*, Atlantic City, NJ, May 30-June 3.
- Diedrichs, V.A., Osher, D.E., Pan, X.J., Stark, B.C., Fridriksson, J., **Den Ouden, D.B.**, Rorden, C., Newman-Norlund, R., & Harnish S.M., "Semantics, Phonology, and Resting-State Connectivity in Aphasia" (poster), *Clinical Aphasiology Conference 2023*, Atlantic City, NJ, May 30-June 3.

2022

- Wilson, S.C., **Den Ouden, D.B.**, Almor, A. "Effects of verb bias and repetition on syntactic priming in interactive discourse" (poster), *35th Annual Conference on Human Sentence Processing*, UC Santa Cruz, 24-26 March.
- Johnson, L., Busby, N., Keator, L, **Den Ouden, D.B.**, & Fridriksson, J. "The Impact of Treatment in Chronic Aphasia Recovery", *Clinical Aphasiology Conference 2022*, Wrightsville Beach, NC, May 17-21.
- Busby, N., Johnson, L., Kristinsson, S., Gibson, M., Spell, L.A., Roth, R., Gilchrist, L., Wilmskoetter, J., Bonilha, L., Rorden, C., Newman-Norlund, R., **Den Ouden, D.B.**, Hillis, A., Hickok, G., & Fridriksson, J. "Health Factors Associated with Naming Improvement in Chronic Aphasia" (poster) *Clinical Aphasiology Conference 2022*, Wrightsville Beach, NC, May 17-21.
- Den Ouden, D.B.**, Matchin, W., Hickok, G., & Fridriksson, J. "Lesion site predictors of syntactic deficits in aphasia" (poster) *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA, October 6-8.
- Kristinsson, S., Busby, N., Rorden, C., Newman-Norlund, R., **Den Ouden, D.B.**, Magnusdottir, S., Thors, H., Hillis, A.E., Bonilha, L., & Fridriksson, J. "Brain Age Predicts Long-Term Recovery in Post-Stroke Aphasia" (poster) *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA, October 6-8.
- Roth, R., Busby, N., Wilmskoetter, J., Blackett, D., Gleichgerrcht, E., Rorden, C., Newman-Norlund, R., Hillis, A.E., **Den Ouden, D.B.**, Fridriksson, J., & Bonilha, L. "Diabetes, Brain Health, and Long-Term Language Related-Treatment Gains in Post-Stroke Aphasia" (poster) *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA, October 6-8.
- Kristinsson, S., Rorden, C., Newman-Norlund, R., **Den Ouden, D.B.**, Hillis, A.E., Hickok, G., Bonilha, L., & Fridriksson, J. "Systems Supporting Clinically Salient Language Deficits" (poster) *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA, October 6-8.
- Matchin, W., **Den Ouden, D.B.**, Hickok, G., Hillis, A.E., Bonilha, L., & Fridriksson, J. "The Wernicke conundrum revisited: evidence from connectome-based lesion-symptom mapping" (poster) *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA, October 6-8.
- Den Ouden, D.B.**, Matchin, W., & Fridriksson, J. "Syntactic test performance across aphasia types" (poster) *60th Annual Meeting of the Academy of Aphasia*, Philadelphia, PA, October 23-25, 2022.
- Matchin, W., **Den Ouden, D.B.**, Hickok, G., Hillis, A., Bonilha, L., & Fridriksson, J. "The Wernicke conundrum revisited: evidence from connectome-based lesion-symptom mapping", *60th Annual Meeting of the Academy of Aphasia*, Philadelphia, PA, October 23-25, 2022.
- Kristinsson S., Busby, N., Rorden, C., Newman-Norlund, R., **Den Ouden, D.B.**, Magnusdottir, S., Thors, H., Hillis, A.E., Bonilha, L., & Fridriksson, J. "Brain Age Predicts Long-Term Recovery in Post-Stroke Aphasia", *60th Annual Meeting of the Academy of Aphasia*, Philadelphia, PA, October 23-25, 2022.
- Lewis, A.F., Bohnenkamp, R., Myers, M., **Den Ouden, D.B.**, Fritz, S., & Stewart, J.C. "Effect of positive social comparative feedback on resting state connectivity of dopaminergic neural pathways: a preliminary investigation" (poster) *Neuroscience 2022*, San Diego, CA, November 12-16.

2021

- Kristinsson, S., Zgodic, A., **Den Ouden, D.B.**, Rorden, C, Hillis, A., Bonilha, L., Hickok, G., McLain, A. & Fridriksson, J. "Functional Cortical Reorganization Supporting Therapy-Induced Language Recovery in Chronic Aphasia: A Large-Scale Clinical Trial" (poster) *13th Annual Meeting of the Society for the Neurobiology of Language*, Virtual, October 5-8.

- Matchin, W., Basilakos, A., Stark, B.C., **Den Ouden, D.B.**, Fridriksson, J. & Hickok, G. "Grammatical parallelism in aphasia revisited: a common lesion substrate for syntactic production and comprehension deficits in the posterior temporal lobe (poster) *13th Annual Meeting of the Society for the Neurobiology of Language*, Virtual, October 5-8.
- Matchin, W., Basilakos, A.A., Stark, B., **Den Ouden, D.B.**, Fridriksson, J. & Hickok, G. "Grammatical parallelism in aphasia revisited: a common lesion substrate for syntactic production and comprehension deficits in the posterior temporal lobe" *59th Annual Meeting of the Academy of Aphasia*, Virtual, USA, October 24-26.
- Bryant, L., Roberts, A., Themistocleous, C., **Den Ouden, D.B.** & Stark, B. "Best practices for reporting of discourse analysis" *59th Annual Meeting of the Academy of Aphasia*, Virtual, USA, October 24-26.
- Busby, N., **Den Ouden, D.B.**, Rorden, C., Spell, L.A. & Fridriksson, J. "Identifying Phonological Planning Deficits Independent of Apraxia of Speech" (poster) *59th Annual Meeting of the Academy of Aphasia*, Virtual, USA, October 24-26.
- Johnson, L., Wilson, S., Yourganov, G., Newman-Norlund, R., Stark, B.C., Basilakos, A., Rorden, C., **Den Ouden, D.B.**, and Fridriksson, J. "Neural Synchrony is Associated with Language Perception in Listeners with Aphasia" (poster) *Organization for Human Brain Mapping (OHBM)*, Virtual, June 21-25.

2020

- Den Ouden, D.B.** & Duffy, P. "Drama by speakers with aphasia: Awareness and life satisfaction" (poster) *58th Annual Meeting of the Academy of Aphasia*, Virtual, China, October 18-20.
- Den Ouden, D.B.** & Zhu, M.W. "Neuromodulation of verb-transitivity judgments" (poster) *12th Annual Meeting of the Society for the Neurobiology of Language*, Virtual, October 21-24.
- Kristinsson, S., Basilakos, A.A., Elm, J., Spell, L.A., Bonilha, L., Rorden, R., **Den Ouden, D.B.**, Cassarly, C., Sen, S., Hillis, A., Hickok, G. & Fridriksson, F. "Individualized Response to Different Types of Aphasia Rehabilitation in Stroke" (poster) *12th Annual Meeting of the Society for the Neurobiology of Language*, Virtual, October 21-24.
- Matchin, W., Basilakos, A.A., **Den Ouden, D.B.**, Stark, B.C., Hickok, G. & Fridriksson, J. "Neuroanatomical dissociations of syntax and semantics revealed by lesion-symptom mapping" (poster) *12th Annual Meeting of the Society for the Neurobiology of Language*, Virtual, October 21-24.

2019

- Matchin, W., Basilakos, A., Stark, B.C., **Den Ouden, D.B.**, Fridriksson, J. & Hickok, G. "Paragrammatism, agrammatism and the cortical organization of syntax: a lesion-symptom mapping study" (poster), *11th Annual Meeting of the Society for the Neurobiology of Language*, Helsinki, Finland, August 20-22.
- Matchin, W., Basilakos, A., Stark, B.C., **Den Ouden, D.B.***, Fridriksson, J. & Hickok, G. "Paragrammatism and agrammatism: a cortical double dissociation revealed by lesion-symptom mapping", *57th Annual Meeting of the Academy of Aphasia*, Macau, SAR China, October 27-29. *Presenter
- Den Ouden, D.B.**, Del Valle, G., Altpeter, H. & Galkina, E., "Vowel formant dispersion in apraxia of speech and aphasia: Repeated elicitation versus spontaneous speech" (poster), *57th Annual Meeting of the Academy of Aphasia*, Macau, SAR China, October 27-29.
- Den Ouden, D.B.**, Stark, B., & Fridriksson, F., "Lesion-symptom mapping of verbs and morphosyntax in picture descriptions" *Clinical Aphasiology Conference 2019*, Whitefish, MT, May 29-June 1.

2018

- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C., "The Effect of Exercise Intensity on the Kinematics of Reach Performance and Brain-Derived Neurotrophic Factor" (poster) *American College of Sports Medicine (ACSM)*, Minneapolis, MN, May 29-June 2.
- Den Ouden, D.B.**, Hutchinson, A., Tsapkini, K. & Themistocleous, C., "Comparison of Automated Methods for Vowel Segmentation and Extraction of Acoustic Variables" (poster), *Clinical Aphasiology Conference 2018*, Austin, Tx, May 22-25.
- Themistocleous, C., Ficek, B., Webster, K., Wendt, H., Hillis, A.E., **Den Ouden, D.B.**, & Tsapkini, K., "A classification study of the variants of Primary Progressive Aphasia using Machine Learning" (poster), *Clinical Aphasiology Conference 2018*, Austin, Tx, May 22-25.
- Den Ouden, D.B.**, "Arguments and Structure on the Brain" (invited) *Annual UofSC Neuroscience Meeting 2018*, May 18th.
- Den Ouden, D.B.**, Fahey, D., McDonald, T., Rocktashel, J. & Behroozmand, R., "Effects of HD-tDCS Current Intensity on Vocal Pitch Motor Control" (poster), *Annual Meeting of the Society for the Neurobiology of Language 2018*, Quebec, QB, Canada, August 16-18.
- Themistocleous, C., Ficek, B., Webster, K.T., Wendt, H., Hillis, A.E., **Den Ouden, D.B.** & Tsapkini, K., "Acoustic markers of PPA variants using machine learning" *56th Annual Meeting of the Academy of Aphasia*, Montreal, Canada, October 21-23.

2017

- Bradford, S.B., Hickok, G., Basilakos, A., Phillip, L., **Den Ouden, D.B.** & Fridriksson, J. "Neuroanatomical Correlates of Speech and Melody Repetition in Chronic Stroke" (poster) *ASHA Convention 2017*, Los Angeles, CA., November 9-11.
- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C., "Exercise Intensity Affects the Kinematic Approach Used to Improve Performance of a 3-Dimensional Target Task" (poster) *SEACSM*, Chattanooga, TN, February 15 – 17.
- Baird, J.F., Gaughan, M.E., Saffer, H.M., Sarzynski, M.A., Herter, T.M., Fritz, S.L., **Den Ouden, D.B.** & Stewart, J.C., "The Effect of Energy-Matched Exercise Intensity on Brain-Derived Neurotrophic Factor and Motor Learning" (poster) *Neuroscience 2017* (47th Annual meeting of the Society for Neuroscience), Washington, D.C., November 11-15.
- Webster, K., Ficek, B., Pietrowski, J., Galkina, E., Basilakos, A., **Den Ouden, D.B.** & Tsapkini, K., "Determining efficacy of a treatment strategy in patients with non-fluent variant of primary progressive aphasia and apraxia of speech" (poster) *55th Annual Meeting of the Academy of Aphasia*, Baltimore, MD., November 5-7.
- Gleichgerrcht, E., Delgaizo, J., Fridriksson, J., **Den Ouden, D.B.**, Basilakos, A., Rorden, C. & Bonilha, L., "Lesion mapping of syntactic and lexical features derived from Natural Language Processing of narrative speech elicited by patients with chronic post-stroke aphasia. (poster) *Annual Meeting of the Society for the Neurobiology of Language 2017*, Baltimore, MD, November 8-10.
- Den Ouden, D.B.**, Basilakos, A., Bonilha, L., Gleichgerrcht, E., Malyutina, S., Rorden, C. & Fridriksson, J., "Agrammatic performance in aphasia: A ventral-stream problem?" (poster) *Annual Meeting of the Society for the Neurobiology of Language 2017*, Baltimore, MD, November 8-10.
- Fahey, D. & **Den Ouden, D.B.**, "Asymmetric Binariness as a Cognitive Universal: The Rhythm of Syntactic Structure" (poster) *Annual Meeting of the Society for the Neurobiology of Language 2017*, Baltimore, MD, November 8-10.
- D.B. den Ouden**, E. Galkina, A. Basilakos & J. Fridriksson, "Vowel formant dispersion reflects severity of Apraxia of Speech after stroke in adults", *International Motor Speech Conference VII*, Groningen, NL, July 5-8.

D.B. den Ouden, K. Johari, K. Bridwell, C. Hayden & R. Behroozmand, "Modulation of the Speech Motor Control Network through High-Definition Transcranial Direct Current Stimulation" (poster), *International Motor Speech Conference VII*, Groningen, NL, July 5-8.

D.B. den Ouden, "Neural predictors of agrammatic performance in aphasia", (invited) *C-STAR Lecture Series*, University of South Carolina, May 11th, 2017.

2016

D.B. den Ouden, "Computerized training of single-word production in speakers with aphasia or apraxia of speech", *Tech Tuesday Talks*, ASPH, UofSC, September 13th.

D.B. den Ouden, E. O. Garnett, J. Shepherd & J. Tang, "The Name Game: Computerized Speech Production Training" (poster), *UofSC Arnold School of Public Health 40th Anniversary*, Columbia, SC, March 18.

A. Basilakos, C. Rorden, D. Fogerty, **D.B. den Ouden**, G. Yourganov, L. Bonilha & J. Fridriksson, "Using Acoustic Measures to Refine the Differential Diagnosis of Apraxia of Speech: A Behavioral and Multimodality Neuroimaging Study" (poster), *Annual Meeting of the Society for the Neurobiology of Language 2016*, London (UK), August 17-20.

D.B. den Ouden, E. Galkina, A. Basilakos & J. Fridriksson "Vowel formant dispersion reflects severity of Apraxia of Speech" (poster), *54th Annual Meeting of the Academy of Aphasia*, Llandudno, Wales, U.K., October 16-17.

L. Martone, A. Burns, K. Harper, K. Keplinger, **D.B. den Ouden** & L. Wade-Woolley, "Reading Through the Ears: How McGurk Effects Reflect Reading History" (poster) *ASHA Convention 2016*, Philadelphia, PA, November 17-19.

K. Kannaley, **D.B. den Ouden** & J. Fridriksson, "Rehabilitating Agrammatism in Nonfluent Aphasia: Could Speech Entrainment Work?" (poster) *ASHA Convention 2016*, Philadelphia, PA, November 17-19.

K. Pensa & **D.B. den Ouden**, "Improving Single-Word Production Using a Game-Based Computerized Approach: Single Subject Training Studies" (poster) *ASHA Convention 2016*, Philadelphia, PA, November 17-19.

2015

E.O. Garnett & **D.B. den Ouden**, "Semantic Neighborhood Effects in Stuttering" (poster), *ASHA Convention 2015*, Denver, CO, November 12-14.

K. Bridwell, C. Hayden, R. Behroozmand & **D.B. den Ouden**, "Modulating vocal pitch motor control through neurostimulation" (poster) *2015 Conference on Neural Plasticity and Learning*, Institute for Mind and Brain, University of South Carolina, October 23.

D.B. den Ouden, S. Malyutina & J.D. Richardson, "Verb argument structure in narrative speech: Mining the AphasiaBank" (platform presentation), *53rd Annual Meeting of the Academy of Aphasia*, Tucson, AZ, Oct. 18-20.

S. Malyutina & **D.B. den Ouden**, "Neural correlates of verb argument structure characteristics" (poster), *22nd Annual Meeting of the Cognitive Neuroscience Society (CNS 2015)*, San Francisco, CA, March 28-31.

S. Malyutina & **D.B. den Ouden**, "Single-word naming modulated with high-definition transcranial direct current brain stimulation" (poster), *NYC Neuromodulation Conference 2015*, New York, NY, January 9-11.

D.B. den Ouden, E.O. Garnett, J. Shepherd and J. Tang, "The Name Game: Computerized speech training for independent use by speakers with aphasia" (platform presentation), *Clinical Aphasiology Conference 2015*, Monterey, CA, May 26-31.

E.O. Garnett & **D.B. den Ouden**, "Disfluencies in Spontaneous vs. Narrative Speech in Stuttering and Cluttering" (poster), *2015 World Congress on Fluency Disorders*. Lisbon, Portugal, July 6-8.

2014

- D.B. den Ouden**, S. Malyutina, C. Rorden & J. Fridriksson, "Cortical and structural connectivity damage correlated with impaired syntactic processing", *Clinical Aphasiology Conference 2014* (platform presentation), St. Simon's Island, GA, May 27–June 1.
- C.M. Grindrod, E.O. Garnett, S. Malyutina & **D.B. den Ouden**, "Effects of Distance between Meanings on the Neural Correlates of Semantic Ambiguity" (poster), *21st Annual Meeting of the Cognitive Neuroscience Society (CNS 2014)*, Boston, April 5-8.
- V. Sharpe, **D.B. den Ouden** & D. Fogerty, "The role of acoustics in processing syntactically ambiguous sentences" (poster), *167th Meeting of the Acoustical Society of America*, Providence, Rhode Island, May 9th
- E.O. Garnett & **D.B. den Ouden**, "Effects of cortical stimulation on self-monitoring performance in people who stutter" (poster), *10th Oxford Dysfluency Conference*, Oxford, UK, July 17-20.
- D.B. den Ouden**, E.O. Garnett, S. Malyutina, V. Sharpe & S. Wohltjen, "Putting the load on different cognitive domains: Music, Language and Control" (poster), *Annual Meeting of the Society for the Neurobiology of Language 2014*, Amsterdam, The Netherlands, August 27-29.
- S. Malyutina & **D.B. den Ouden**, "High-definition transcranial direct current stimulation of single word processing" (poster), *Annual Meeting of the Society for the Neurobiology of Language 2014*, Amsterdam, The Netherlands, August 27-29.
- S. Malyutina & **D.B. den Ouden**, "Modulating verb processing with HD-tDCS", *Hard Data Café*, Psychology Dep., University of South Carolina, October 17th.
- S. Malyutina, J.D. Richardson & **D.B. den Ouden**, "Verb argument structure complexity in discourse in aphasia" (poster), *ASHA Convention 2014*, Orlando, FL, November 20-22.
- D.B. den Ouden**, E.O. Garnett, J. Shepherd & J. Tang, "Name Gaming: A Computerized Speech Rehabilitation Method for Independent Use by Speakers With Aphasia" (poster), *ASHA Convention 2014*, Orlando, FL, November 20-22.
- E.O. Garnett & **D.B. den Ouden**, "Effects of Cortical Stimulation on Phoneme Monitoring in Stuttering" (poster), *ASHA Convention 2014*, Orlando, FL, November 20-22.
- S. Malyutina & **D.B. den Ouden**, "High-definition Transcranial Direct Current Brain Stimulation Of Word Processing" (poster), *Annual Meeting of the North American Neuromodulation Society*, Las Vegas, NV, December 11-14.

2013

- D.B. den Ouden**, "Neural correlates of plausibility effects on temporary syntactic ambiguities" (invited) Center for Cognitive Science colloquium, Rutgers University, December 10.
https://ruccs1.rutgers.edu/talks/20131210_talk.html
- S. Lukic, B. Bonakdarpour B, **D.B. den Ouden**, C. Price, C. Thompson, "Neural mechanisms of verb and sentence production: a lesion-deficit study", *51st Annual Meeting of the Academy of Aphasia*, Lucerne, Switzerland, October 20-22.
- D.B. den Ouden**, E. Garnett, A. Raizen & V. Sharpe, "Neural representations of segments and syllables as phonological domains", *Annual Meeting of the Society for the Neurobiology of Language 2013* (platform presentation), San Diego, CA, November 6-8.
- H. McDade, K. Crass, **D.B. den Ouden** & A. Montgomery, "The Effect of Sonority Sequencing in Syllable Onsets" (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- S. Malyutina & **D.B. den Ouden**, "Garden-Path Sentence Processing in Healthy Speakers & Individuals With Brain Damage: Plausibility Effects" (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.

- E. Garnett & **D.B. den Ouden**, "Effects of Cortical Stimulation on Self-Monitoring Performance in People Who Stutter" (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- E. Garnett & **D.B. den Ouden**, "Covert Speech Monitoring in Stuttering & Cluttering" (poster) *ASHA Convention 2013*, Chicago, IL, November 14-16.
- V. Sharpe, **D.B. den Ouden** & D. Fogerty, "The Role of Acoustics in Garden-Path Processing" (poster), *Discovery Day*, University of South Carolina, April 26 (Award: 1st place in topic section).
- C.M. Grindrod, A.L. Raizen, E.O. Garnett, S. Malyutina & **D.B. den Ouden**, "Neural correlates of semantic ambiguity modulated by representational distance between meanings" (poster) *11th International Symposium of Psycholinguistics*, Canary Islands, Spain, March 20-23
- D.B. den Ouden**, S. Malyutina & V. Sharpe, "Neural correlates of sentence plausibility in garden-path processing" (poster) *26th Annual CUNY conference on Human Sentence Processing*, Columbia, SC, March 21-23.

2012

- E.O. Garnett, C. Adams, A. Montgomery, K. St. Louis, & **D.B. den Ouden**, "Phonological Encoding in Cluttering" (poster) *ASHA Convention 2012*, Atlanta, GA, November 15-17.
- D.B. den Ouden**, E.O. Garnett, J. Shepherd & J. Tang, "Computerized Naming Gaming: A Pilot Study" (poster) *ASHA Convention 2012*, Atlanta, GA, November 15-17.
- H. McDade, K. Crass, A. Montgomery & **D.B. den Ouden**, "Do Consonant Clusters Act as a Unit During Word Retrieval?" (poster) *ASHA Convention 2012*, Atlanta, GA, November 15-17.
- D.B. den Ouden** "Plausibility, prosody and head positions in garden path processing" (invited) Neurolinguistics Research Group, University of Groningen, The Netherlands, October 22.
- D.B. den Ouden** & M. Walsh Dickey, "Neural Correlates of the Head-Position Effect in Plausibility Manipulations" (poster), *Annual Meeting of the Society for the Neurobiology of Language 2012*, San Sebastian, Spain, October 25-27.
- D.B. den Ouden** & J. Fridriksson, "Spanish and Portuguese L2 phonology & fMRI workshop", *CASPSlaP 2012*, University of South Carolina, February 16-17.
- E.O. Garnett, C.F. Adams, A.A. Montgomery, K.O. St. Louis & **D.B. den Ouden**, "Phonological encoding in cluttering" (poster), *7th World Congress on Fluency Disorders*, Tours, France, July 2-5.
- A. Raizen, E.O. Garnett, V. Sharpe, Z. Craig & **D.B. den Ouden**, "Neural representations of phonological domains: Segments and syllables in the language network", *UofSC Undergraduate Conference in Linguistics*, University of Southern California, October 12.

2011

- D.B. den Ouden**, K. Christianson, C. Anderson & M. Walsh Dickey, "Neural correlates of prosody and plausibility in garden-path processing" (poster), *Neurobiology of Language Conference 2011*, Annapolis, MD, November 10-11.
- P. Fillmore, S. Magnusdottir, **D.B. den Ouden**, H. H. Hjaltason, C. Rorden, O. Kjartansson, L. Bonilha & J. Fridriksson, "Damage to left anterior temporal cortex predicts impairment of complex syntactic processing: A lesion-symptom mapping study" (poster), *Neurobiology of Language Conference 2011*, Annapolis, MD, November 10-11.
- A. Meltzer Asscher, J. Schuchard, **D.B. den Ouden** & C.K. Thompson, "Neural correlates of ambiguous and unambiguous verb processing" (poster), *18th Annual Cognitive Neuroscience Meeting*, San Francisco, CA, April 2-5.
- D.B. den Ouden**, C. Adams & A. Montgomery, "Simulating the neural correlates of stuttering" (poster), *6th International Conference on Speech Motor Control*, Groningen, The Netherlands, June 8-11.
- D.B. den Ouden**, "Driven by Broca", *32nd Annual TABU Dag*, University of Groningen, The Netherlands, 17-18 June.

- D.B. den Ouden**, “Syntactic networks in the brain: Algorithms, plausibility and prosody” (invited), Dept. of Psychology seminar, University of Milan-Bicocca, Italy, July 18.
- D.B. den Ouden**, “Functional imaging of garden path parsing: Effects of plausibility and prosody” Hard Data Café, Psychology Dep., University of South Carolina, September 1.
- E. Barbieri, C. Luzzatti, **D.B. den Ouden**, S. Aggujaro, R. Verga & C.K. Thompson, “An investigation of the Argument Structure Complexity Hypothesis (ASCH) in English and Italian speakers: data from aphasic and healthy participants.” *StrucArg 2011 (satellite of AMLAP)*, Paris, France, September 5-7.

2010

- A.N. Yurchenko, J. Hoeksema & **D.B. den Ouden**, “Processing negative and positive polarity items” (poster), *The Fourth International Conference on Cognitive Science*, Tomsk, Russia, June 22–26.
- D.B. den Ouden**, & C.K. Thompson, “Low perfusion affects cortical neuroplasticity” (poster), *Neurobiology of Language*, San Diego, CA, November 11-12.
- D.B. den Ouden**, D. Saur, B. Schelter, S. Lukic, E. Wali & C.K. Thompson, “Network modulation during complex syntactic processing” (poster), *Neurobiology of Language*, San Diego, CA, November 11-12.
- D.B. den Ouden**, “Syntax across the brain”, Linguistics Program Colloquium, University of South Carolina, October 29.
- D.B. den Ouden**, “Body parts in action (words)”, Interdisciplinary Neuroimaging Research Group, University of South Carolina, September 15.
- D.B. den Ouden**, D. Saur, B. Schelter, S. Lukic, E. Wali & C.K. Thompson, “Network modulation during complex syntactic processing” (poster), *16th Annual Meeting of the Organization for Human Brain Mapping*, Barcelona, Spain, June 6-10.
- E. Riley, **D.B. den Ouden**, S. Lukic, C.K. Thompson, “Neural Mechanisms of Verb Argument Structure Training in Agrammatic Aphasia”, (poster), *16th Annual Meeting of the Organization for Human Brain Mapping*, Barcelona, Spain, June 6-10.
- D.B. den Ouden**, E. Riley, S. Lukic & C.K. Thompson “Neural Mechanisms of Verb Argument Structure Training in Agrammatic Aphasia” (platform presentation), *Clinical Aphasiology Conference 2010*, Isle of Palms, South Carolina, May 23-28.

2009

- E.A. Riley, **D.B. den Ouden**, S. Lukic, & C.K. Thompson, “Neuroplasticity and Recovery from Aphasia: Treatment-Induced Recovery of Verbs and Sentence Production” (poster), *47th Annual Meeting of the Academy of Aphasia*, Boston, 18-20 October.
- D.B. den Ouden** & C.K. Thompson, “Verb embodiment in action naming” (poster), *Neurobiology of Language Conference*, Chicago, 15-16 October.
- D.B. den Ouden**, B. Bonakdarpour, S. Fix, K. Garibaldi, T.B. Parrish & C.K. Thompson, “Neural plasticity and treatment induced recovery of sentence processing and production in agrammatism” (platform presentation), *Clinical Aphasiology Conference 2009*, Keystone, Colorado, May 26-30.
- D.B. den Ouden**, A. Baria, J. Lee & C.K. Thompson, “From hand to mouth: Verb embodiment in action naming” (platform presentation and poster), *15th Annual Meeting of the Organization for Human Brain Mapping*, San Francisco, June 18-22.
- D.B. den Ouden** & C.K. Thompson, “Activation shifts after treatment-induced recovery of sentence processing and production in agrammatism” (poster), *15th Annual Meeting of the Organization for Human Brain Mapping*, San Francisco, June 18-22.

2008

- D.B. den Ouden**, C. Anderson, K. Christianson & M. Walsh Dickey, "Not-good-enough processing in agrammatic and non-agrammatic speakers" (platform presentation), *CUNY 2008 Conference on Human Sentence Processing*, University of North Carolina at Chapel Hill, March 13-15.
- D.B. den Ouden**, "Verb embodiment in action naming and lexical decision", Cognitive Brain Mapping Group, Northwestern University, Chicago, 8 October.
- C.K. Thompson, **D.B. den Ouden**, B. Bonakdarpour, S. Fix, K. Garibaldi, T. Love & T.B. Parrish, "Neural correlates of CATE: A multiple-case study of treatment-induced recovery of sentence processing and production in agrammatism" (platform presentation), *46th annual meeting of the Academy of Aphasia*, Turku, Finland, 19-21 October.
- B. Bonakdarpour, **D.B. den Ouden**, S. Fix, K. Garibaldi, S. Lukic & C.K. Thompson, "Posterior perisylvian lesion volumes in agrammatism and associated sentence deficit patterns", (poster), *46th annual meeting of the Academy of Aphasia*, Turku, Finland, 19-21 October.
- D.B. den Ouden**, B. Bonakdarpour, S. Fix, K. Garibaldi, T. Love, T.B. Parrish & C.K. Thompson, "Neural plasticity after training of complex sentence structures in agrammatism" (platform presentation), *ASHA Convention 2008*, Chicago, 20-22 November.
- B. Bonakdarpour, **D.B. den Ouden**, S. Fix, K. Garibaldi, S. Lukic & C.K. Thompson, "Lesion volumes in agrammatic aphasia: The role of the posterior perisylvian region for syntactic processing" (poster), *ASHA Convention 2008*, Chicago, 20-22 November.

2007

- D.B. den Ouden**, "Naming verbs from movies and pictures", Cognitive Brain Mapping Group, Northwestern University, Chicago, 7 February.
- D.B. den Ouden**, S. Fix, E. Riley, K. Rulf, A. Shook, T.B. Parrish & C.K. Thompson, "Verb argument structure in movies and pictures: An fMRI study" (poster), *13th Annual Meeting of the Organization for Human Brain Mapping*, Chicago, 10-14 June.
- D.B. den Ouden**, "On the lateralization of narrow and broad syntax", (invited) Research Round Table, Dept. of Communication Science and Disorders, University of Pittsburgh, 10 October.
- D.B. den Ouden**, "Syntactic Training and Recovery in Agrammatic Aphasia: fMRI Investigations", Cognitive Brain Mapping Group, Northwestern University, Chicago, 31 October.

2006

- D.B. den Ouden** & C.K. Thompson, "Phonologically marked verb inflections in agrammatic speech production" (poster), *3rd Annual Language Production Workshop*, Chicago, USA, 13-15 August.
- D.B. den Ouden**, "Neural networks for syntactic processing: Lateralization of narrow and broad syntax", (invited) *7th Science of Aphasia Conference*, Neurocognition of Language: Innovative aspects, Porto Conte, Sardinia, Italy, 7-12 September.
- D.B. den Ouden**, "Agrammatism and the lateralization of narrow and broad syntax", 'First Fridays' faculty research talk, Dept. of Communication Sciences and Disorders, Northwestern University, Chicago, 6 October.
- D.B. den Ouden** & C.K. Thompson, "Phonological markedness affects the production of verb inflections" (poster), *44th annual meeting of the Academy of Aphasia*, Victoria, BC, Canada, 15-17 October.
- D.B. den Ouden**, "Agrammatism and the lateralization of narrow and broad syntax", (invited) language processing series talk, Beckman Institute, University of Illinois at Urbana-Champaign, Urbana, 26 October.

2005

D.B. den Ouden & R. Bastiaanse, "Different sources of phonological output deficits: A multiple-case study" (poster), *6th Science of Aphasia Conference: Recovery and treatment*, Aavaranta, Finland, 27-29 August.

2004

D.B. den Ouden & R. Bastiaanse, "Verb second in Dutch sentence production: An fMRI study" (platform presentation), *5th Science of Aphasia Conference: Crosslinguistic aspects of Aphasia*, Potsdam, Germany, 16-21 September.

D.B. den Ouden, H. Hoogduin, P. Maguire, L. Stowe & R. Bastiaanse, "Neural correlates of verb second in Dutch: An fMRI study" (platform presentation), *42nd annual meeting of the Academy of Aphasia*, Chicago, 17-19 October.

D.B. den Ouden, "Dutch Verb Second: an fMRI study", fMRI day 2004, University of Utrecht, 19 November.

2003

D.B. den Ouden, "Verbale apraxie en hapklare brokjes", (invited) Noordelijke Afasie Werkgroep, Martini Hospital Groningen, 18 March.

D.B. den Ouden, "Breakdown at the Phonological Level", (invited) *4th Science of Aphasia Conference, Aphasia: Cross-disciplinary aspects*, Trieste, Italy, 22-27 August.

D.B. den Ouden, "Verb movement in Dutch brains", *SAN-dag* (annual workshop organised by the Dutch Aphasia Society), University of Groningen, 20 November.

2002

D.B. den Ouden & R. Bastiaanse, "Is movement for real?" (poster), Theoretical and Experimental Linguistics, Euroconference on the syntax of normal and impaired language, Corinth, Greece, 1-6 June.

D.B. den Ouden, "Verbale apraxie en de dubbele route in fonologische productie", (invited) *International Aphasia Conference 2002*, Zeist, 26-28 September.

D.B. den Ouden, "Phonological optimality in aphasia", (invited) Linguistics Colloquium, University of Groningen, 18 October.

2001

D.B. den Ouden, "Optimal codas in aphasia" (platform presentation), *Holland Institute of Generative Linguistics Phonology conference 5 (HILP5)*, Potsdam, Germany, 11-13 January.

D.B. den Ouden, "Aphasia and levels of harmony" (platform presentation), *TIN-dag 2001* (Linguistics in The Netherlands), University of Utrecht, 3 February.

D.B. den Ouden, "Optimality Theory and the different levels of impairment in fluent and nonfluent aphasics" (platform presentation), *4th International Speech Motor Conference: Speech Motor Control in Normal and Disordered Speech*, University of Nijmegen, 13-16 June.

D.B. den Ouden, "The coda conflict in fluent aphasia" (platform presentation), *The Neurological Basis of Language*, University of Groningen, 9-11 July.

2000

D.B. den Ouden, "Segmental vs positional markedness in syllables: Deletion errors in the paraphasias of fluent and non-fluent aphasics" (platform presentation), *Speech and Language Pathology*, Padova, Italy, 22-26 August.

1999

- D.B. den Ouden** & R. Bastiaanse, "Syllable structure at different levels in the speech production process: Evidence from Aphasia" (platform presentation), *Holland Institute of Generative Linguistics Phonology conference 4 (HILP 4)*, University of Leiden, 28-30 January.
- D.B. den Ouden**, "Syllables in phonetology", (invited) Linguistics Colloquium, University of Groningen, 19 February.
- D.B. den Ouden** & R. Bastiaanse, "The effect of positional markedness within the syllable on the performance of phonemically and phonetically impaired patients on a repetition task" (platform presentation), *ICPLA 7*, Université de Montréal, Canada, 17-19 May. *Winner of Conference Prize: Best Student Paper*.
- D.B. den Ouden**, "Phonological Encoding and Aphasia, with a Focus on Conduction Aphasia", Workshop Phonological Encoding and Monitoring, Max Planck Insititute, Nijmegen, 18 June.
- D.B. den Ouden**, "Fonologische segmenten en structuur in afasie", (invited) Vereniging voor Klinische Linguïstiek, Academisch Medisch Centrum, University of Amsterdam, 24 September.
- D.B. den Ouden** & R. Bastiaanse "Three different patterns of phonological disturbance in aphasia" (poster), *Academy of Aphasia 37th Annual Meeting*, Venice, Italy, 25-27 October.

1998

- D.B. den Ouden**, "Phonological encoding deficiencies in aphasia", (invited) Université de Montréal, Canada, 27 May.
- D.B. den Ouden**, "Syllable structure and markedness in different types of aphasia", (invited) Staff Seminar, Grammatical Models Group, Catholic University of Brabant (KUB), 21 October.
- D.B. den Ouden** & R. Bastiaanse, "Singletons and clusters in onsets and codas: The performance of phonemically and phonetically impaired patients on a repetition task" (poster), *Academy of Aphasia 36th Annual Meeting*, Santa Fe (NM), USA, 1-3 November.

1997

- D.B. den Ouden**, "De fonologische frase", *TABU-dag*, University of Groningen, 13 June.
- D.B. den Ouden**, "Fonologische coderingsstoornissen bij conductie afasie", (invited) Research Lecture, Uil-OTS, University of Utrecht, 21 November.