

# JANA REIFEGERSTE

Curriculum vitae

Georgetown University  
Department of Neuroscience  
Brain & Language Lab  
Building D, room 235  
4000 Reservoir Road, N.W.  
Washington D.C. 20057

+1-202-687-8489  
Jana.Reifegerste@gmail.com  
jr1754@georgetown.edu

## EDUCATION

- 2014            PhD in Social Sciences (Psycholinguistics),  
                  Radboud University & Max Planck Institute for Psycholinguistics, Nijmegen,  
                  the Netherlands
- 2010            BA in Psychology (minors: Linguistics, Behavioural Science),  
                  McGill University Montreal, Canada

## EMPLOYMENT

- 2018 - present    Postdoctoral Researcher,  
                      Brain and Language Lab, Department of Neuroscience, Georgetown University,  
                      USA &  
                      Department of Psychology, Westfälische Wilhelms-Universität Münster,  
                      Germany
- 2013 - 2017      Postdoctoral Research Fellow,  
                      Potsdam Research Institute for Multilingualism, University of Potsdam,  
                      Germany

## PUBLICATIONS

### Refereed Journal Articles:

- Reifegerste, J., Elin, K., & Clahsen, H. (2019). Persistent differences between native speakers and bilinguals: Evidence from inflectional and derivational processing in older speakers. *Bilingualism: Language and Cognition*, 22, 425-440. doi:10.1017/S1366728918000615
- Johari, K., Walenski, M., Reifegerste, J., Ashrafi, F., Behroozmand, R., Daemi, M., & Ullman, M. T. (in press). A dissociation between syntactic and lexical processing in Parkinson's disease. *Journal of Neurolinguistics*, 51, 221-235. doi:10.1016/j.jneuroling.2019.03.004

- Johari, K., Walenski, M., Reifegerste, J., Ashrafi, F., & Ullman, M. T. (in press). Sex, dopamine, and language: A study of inflectional morphology in Parkinson's disease. *Neuropsychology*, 33, 508-522. doi:10.1037/neu0000533
- Prehn, K., Taud, B., Reifegerste, J., Clahsen, H., & Flöel, A. (2018). Neural correlates of grammatical inflection in older native and second-language speakers. *Bilingualism: Language and Cognition*, 21, 1-12. doi:10.1017/S1366728916001206
- Reifegerste, J., & Felser, C. (2017). Effects of aging on interference during pronoun resolution. *Journal of Speech, Language, and Hearing Research*, 60, 3573-3589. doi:10.1044/2017\_JSLHR-L-17-0183
- Reifegerste, J., & Clahsen, H. (2017). Accessing morphosyntactic information is preserved at old age, except for irregulars. *The Mental Lexicon*, 12, 342-372. doi:10.1075/ml.17008.rei
- Reifegerste, J., Hauer, F., & Felser, C. (2017). Agreement processing and attraction errors in aging: Evidence from subject-verb agreement in German. *Aging, Neuropsychology, and Cognition*, 24, 672-702. doi:10.1080/13825585.2016.1251550
- Reifegerste, J., Meyer, A. S., & Zwitserlood, P. (2017). Inflectional complexity and experience affect plural processing in younger and older readers of Dutch and German. *Language, Cognition and Neuroscience*, 4, 471-487. doi:10.1080/23273798.2016.1247213

#### **Book Chapters:**

- Clahsen, H., & Reifegerste, J. (2017). Morphological processing in old-age bilinguals. In M. Libben, M. Goral, & G. Libben (Eds.), *Bilingualism: A Framework for Understanding the Mental Lexicon* (pp. 217-248). Amsterdam: Benjamins.

#### **Manuscripts in Submission:**

- Reifegerste, J., Estabrooke, I. V., Maloof, C. J., Johari, K., & Ullman, M. T. (2018). *The neurocognition of inflectional morphology: Evidence from sex differences in Parkinson's disease*. Manuscript submitted for publication.
- Reifegerste, J., Jarvis, R., & Felser, C. (2019). *Native and non-native sentence processing across the adult lifespan: Evidence from agreement attraction in German*. Manuscript submitted for publication
- Reifegerste, J., Verissimo, J., Rugg, M. D., Pullman, M., Babcock, L., Gleib, D., Weinstein, M., Goldman, N., & Ullman, M. T. (2018) *Education may help counter nonverbal memory declines in aging, especially for women*. Manuscript submitted for publication.

#### **Manuscripts in Preparation:**

- Marcante, A., Reifegerste, J., Sorace, A., & Ullman, M. T. (in preparation). *When better memory leads to access difficulties: The role of declarative memory in native-language attrition*.
- Reifegerste, J., Zwitserlood, P., Meyer, A. S., & Ullman, M. T. (in preparation). *Aging affects steaks more than knives: Evidence that lexical processing of words related to motor skills is relatively spared in aging*.
- Reifegerste, J., Meyer, A. S., & Zwitserlood, P. (in preparation). *The influence of age and pseudowords on inflectional processing*.
- Ullman, M. T., Campbell, R. E., Reifegerste, J., McQuaid, G. A., Tagarelli, K. M., & Turkeltaub, P. E. (in preparation). *The functional neuroanatomy of regular and irregular morphology*.

Ullman, M. T., & Reifegerste, J. (in preparation). *Sex differences in the neurocognition of language: The role of redundancy.*

### **Other Publications:**

Clahsen, H., Heyer, V., & Reifegerste, J. (2016). Linguistic perspectives on morphological processing. (Editorial). *The Mental Lexicon*, 11, 161-163.

Reifegerste, J. (2014). *Morphological processing in younger and older people: Evidence for flexible dual-route access.* (Doctoral dissertation). Radboud University Nijmegen.

## **CONFERENCE PRESENTATIONS**

### **Invited talks:**

Reifegerste, J. (2019). *Aging and the processing of language.* Invited talk at the Department of Chinese and Bilingual Studies, The Hong Kong Polytechnic University, Hong Kong.

Reifegerste, J. (2018). *Aging and Language: What's cognition got to do with it?.* Invited talk at the Neurolinguistics Laboratory, Department of Language-Hearing Sciences, Graduate Center, City University of New York, New York NY, USA.

Reifegerste, J. (2016). *Aging and Language.* Invited talk at the Department of Neuroscience, Georgetown University, Washington DC, USA.

Reifegerste, J., & Clahsen, H. (2016). *Morphological processing in aging L1 and L2 speakers.* Invited talk at the workshop on Impairments in the mental lexicon: The case of child and adult bilinguals, Potsdam, Germany.

Reifegerste, J., & Clahsen, H. (2015). *Morphological processing in old-age bilinguals: a cross-modal priming study.* Invited talk at the 10<sup>th</sup> International Symposium for Bilingualism, New Brunswick, USA.

### **Symposia organized:**

Reifegerste, J., & Prehn, K. (2017). *How aging affects language processing: lexical access and grammatical computation.* Symposium organized at the 20<sup>th</sup> Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.

### **Oral presentations:**

Reifegerste, J., Zwitserlood, P., Meyer, A. S., & Ullman, M. T. (2018). *Aging affects steaks more than knives: Evidence that lexical processing of words related to motor skills is relatively spared in aging.* Oral presentation at the 11<sup>th</sup> International Conference on the Mental Lexicon, Edmonton, Canada.

Elin, K., Reifegerste, J., & Clahsen, H. (2018). *Ageing, bilingualism and language processing: A study of morphological processing in older adults.* Oral presentation at the 28<sup>th</sup> conference of the European Second Language Association (EuroSLA 28), Münster, Germany.

Elin, K., Reifegerste, J., & Clahsen, H. (2018). *Persistent differences between native speakers and late bilinguals: Evidence from inflectional and derivational processing in older speakers.* Oral presentation at the 2<sup>nd</sup> International Symposium on Bilingual Processing in Adults and Children (ISBPAC 2018), Braunschweig, Germany.

- Reifegerste, J., & Prehn, K. (2017). *Grammatical computation versus lexical look-up: selective aging effects in language processing*. Oral presentation at the 20<sup>th</sup> Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.
- Reifegerste, J., & Clahsen, H. (2016). *Access to Complex Inflectional Paradigms is Preserved in Aging*. Oral presentation at the 10<sup>th</sup> International Conference on the Mental Lexicon, Ottawa, Canada.
- Reifegerste, J. (2016). *Illusory licensing effects in younger vs. older adults*. Oral presentation at the workshop on Sentence Processing in Multilingual and Other Less Commonly Studied Populations, Potsdam, Germany.
- Verissimo, J., Reifegerste, J., & Clahsen, H. (2016). *Morphological structure in native and non-native processing: Linguistic and subject-level factors*. Oral presentation at the International Meeting of the Psychonomic Society, Granada, Spain.
- Reifegerste, J., Meyer, A. S., & Zwitserlood, P. (2015). *Morphological processing in younger and older speakers: Evidence from German and Dutch plurals*. Oral presentation at the workshop on Psycho- and neurolinguistic approaches to the grammar-lexicon distinction, Copenhagen, Denmark.
- Prehn, K., Taud, B., Reifegerste, J., Clahsen, H., & Flöel, A. (2015). *Neural correlates of morphological processing in older late bilinguals*. Oral presentation at the 9<sup>th</sup> International Morphological Processing Conference, Potsdam, Germany.
- Reifegerste, J. (2015). *Zwei Sprachen in einem Gehirn – Bilingualismus unter der Lupe* [Two languages in one brain – bilingualism under the magnifying glass]. Oral presentation at the Potsdamer Tag der Wissenschaften [Potsdam Science Day], Potsdam, Germany.
- Reifegerste, J., Zwitserlood, P., & Meyer, A. S. (2013). *The influence of pseudoword material on the processing of Dutch past-tense verbs*. Oral presentation at the 8<sup>th</sup> International Morphological Processing Conference, Cambridge, UK.
- Reifegerste, J., & Meyer, A. S. (2012). *The influence of age on the mental representation of polymorphemic words in Dutch*. Oral presentation at the Morphological Complexity meeting, London, UK.

#### **Poster presentations:**

- Reifegerste, J., Verissimo, J., Rugg, M. D., Pullman, M., Babcock, L., Gleib, D., Weinstein, M., Goldman, N., & Ullman, M. T. (2019). *Nonverbal declarative memory in older adults: Effects of age, sex, and education*. Poster presented at the 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, USA.
- Reifegerste, J., Elin, K., & Clahsen, H. (2018). *Morphological processing in aging bilinguals: Evidence from inflectional and derivational priming*. Poster presented at the 11<sup>th</sup> International Conference on the Mental Lexicon, Edmonton, Canada.
- Johari, K., Reifegerste, J., & Ullman, M. T. (2017). *Language impairment and improvement in Parkinson's disease: what, when, and why*. Poster presented at the 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, USA.
- Reifegerste, J., Elin, K., & Clahsen, H. (2017). *Dissociating derivational and inflectional priming: Evidence from older bilinguals*. Poster presented at the 10<sup>th</sup> International Morphological Processing Conference, Trieste, Italy.
- Reifegerste, J., Johari, K., & Ullman, M. T. (2017). *Morphological processing impairments in Parkinson's disease: effects of regularity, disease progression, and sex*. Poster presented at the 10<sup>th</sup> International Morphological Processing Conference, Trieste, Italy.

- Reifegerste, J., Johari, K., Walenski, M., Ashrafi, F., Behroozmand, R., & Ullman, M. T. (2017). *A comprehensive examination of language in Parkinson's disease: Evidence from syntax, morphology, and lexical processing*. Poster presented at the 24<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, USA.
- Reifegerste, J., Hauer, F., & Felser, C. (2016). *Attraction errors in aging: Subject-verb agreement in younger and older speakers of German*. Poster presented at the 22<sup>nd</sup> Architecture and Mechanisms for Language Processing Conference (AMLaP), Bilbao, Spain.
- Reifegerste, J., & Felser, C. (2015). *Illusory licensing effects in young vs. older adults*. Poster presented at the Individual differences in language processing across the life span workshop, Nijmegen, The Netherlands.
- Reifegerste, J., & Meyer, A. S. (2011). *The influence of age on the mental representation of polymorphemic words in Dutch*. Poster presented at the 13<sup>th</sup> Winter Conference of the Dutch Psychonomic Society (NVP), Egmond aan Zee, The Netherlands.

## AWARDS AND HONOURS

- |             |   |
|-------------|---|
| 2017        | Travel grant,<br>Potsdam Graduate School (PoGS), University of Potsdam, Germany       |
| 2016        | Travel grant,<br>Potsdam Graduate School (PoGS), University of Potsdam, Germany       |
| 2015        | Travel grant,<br>Potsdam Graduate School (PoGS), University of Potsdam, Germany       |
| 2010 - 2013 | PhD scholarship,<br>Max-Planck-Gesellschaft zur Förderung der Wissenschaften, Germany |
| 2010        | Dean's Honour List,<br>McGill University, Montreal, Canada                            |
| 2008        | Study abroad scholarship,<br>German Academic Exchange Services (DAAD), Germany        |

## RESEARCH GRANTS

### **Awarded:**

German Science Foundation (DFG): Principal Investigator Position (Reifegerste, PI)  
11/01/2019 - 10/31/2022

*The Effects of Cognitive Changes across the Adult Lifespan on Lexical and Grammatical Processing*

This large-scale study investigates the trajectories of morphological processing over the course of the lifespan (20s to 90s), and how these changes relate to changes in non-linguistic cognition.

Role: Principal Investigator

Total costs: €330,000 (≈ \$376,000 as of award date of Dec 2018).

GUMC Partners in Research Award (Ullman, PI)  
07/01/2018 - 06/30/2019  
*How and Why Language Declines in Aging*  
This project tests how aging affects the learning and remembering of words, and how age-related lexical changes may be explained by concomitant changes to declarative memory.  
Role: Co-Investigator (co-wrote proposal with PI)  
Total costs: \$30,000.

**Pending:**

NSF Research Grant (Ullman, PI)  
07/01/2019 - 06/30/2022  
*What was that word again?? The impact of aging on word finding and word learning*  
This project systematically examines the developmental trajectory of lexical abilities over the course of aging, from our 20s to our 80s, and the cognitive and neural bases of such changes, using behavioral and MRI measures.  
Role: Co-investigator (co-wrote proposal with PI)

NIH R21 (Ullman, PI)  
09/01/2019 - 08/31/2021  
*Lexical declines in aging: what, when, and why*  
This project systematically examines how lexical abilities change over the course of aging, from our 20s to our 80s, and the cognitive and neural bases of such changes, using behavioral and MRI measures.  
Role: Co-investigator (co-wrote proposal with PI)

**Unsuccessful (submitted within the last 2 years):**

NSF Research Grant (Ullman, PI)  
04/01/2018 - 03/31/2022  
*Developmental Trajectories of Language across the Adult Lifespan*  
This project systematically examines how language changes over the course of aging, from our 20s to our 70s, and the cognitive and neural bases of such changes, using behavioral and MRI measures.  
Role: Co-investigator (co-wrote proposal with PI)

NIH R21 (Ullman, PI)  
04/01/2018 - 03/31/2020  
*Language Trajectories in the Aging Mind and Brain*  
This project systematically examines how language changes over the course of aging, from our 20s to our 70s, and the cognitive and neural bases of such changes, using behavioral and MRI measures.  
Role: Co-investigator (co-wrote proposal with PI)

German Academic Exchange Services (DAAD) P.R.I.M.E. Grant (Reifegerste, PI)  
01/01/2018 - 06/30/2018

*The Neurocognition of Language in Aging*

This study is a comprehensive within-subjects investigation of both language processing and learning in younger and older speakers, as well as the neurocognitive correlates thereof.

Role: Principal Investigator

GUMC Dean's Toulmin Pilot Grant (Ullman, PI)  
07/01/2017 - 06/30/2018

*How and Why Language Declines in Aging*

This project tests how aging affects both the processing and learning of language, and how age-related language changes may be explained by concomitant cognitive and neural changes.

Role: Co-Investigator (co-wrote proposal with PI)

Note: Resubmitted as a Partners grant in April 2018; this resubmission was awarded (see above).

## **RESEARCH EXPERIENCE (prior to PhD)**

2010	Research Assistant, Department of Linguistics, McGill University, Montreal, Canada
2008 - 2010	Research Assistant, Department of Psychology, McGill University, Montreal, Canada
2008	Research Assistant, Department of Psychology, University of Leipzig, Germany
2006 - 2007	Research Assistant, Department of Comparative and Developmental Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

## **SERVICE TO PROFESSION**

### **Administrative:**

2016	Member of the Dissertation committee, University of Potsdam, Germany
2011 - 2013	PhD Representative, Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands
2011 - 2013	Member of the Research Facilities Committee, Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands

### **Scientific:**

2015 - 2016	Guest editor for "The Mental Lexicon," Special Issue "Linguistic perspectives on morphological processing"
2015	Scientific and Organizational Committee "9 <sup>th</sup> International Morphological Processing Conference," University of Potsdam, Germany

2012 Workshop Organization “Scientific career opportunities outside of academia,”  
International Max Planck Research School for Language Sciences, Nijmegen,  
the Netherlands

*Ad hoc reviewer:*

Journals: Applied Psycholinguistics; Cognition; Frontiers in Communication; Frontiers  
in Psychology; Journal of Memory and Language; Journal of Psycholinguistic  
Research; Language, Cognition and Neuroscience; PLOS ONE

Grant proposals: NSF Linguistics Program

Conferences: Formal Descriptions of Slavic Languages 12.5; Mental Lexicon

**Community Outreach:**

2018 - present Member of “Skype a Scientist”, which matches scientists with classrooms for  
Q&A sessions

2015 - 2016 Annual presentations about bilingualism research, together with experiments to  
children, at public outreach events, in Potsdam, Germany

**TEACHING AND SUPERVISION/MENTORING**

Spring 2019 Research Module on “Language and Aging” (undergraduate-level course  
“ICOS202 - Research Modules: Cognitive Science”),  
Georgetown University, Washington DC, USA

Spring 2017 Lecture on “Morphology in neurodegenerative diseases: Alzheimer’s and  
Parkinson’s disease” (graduate-level course “Neurolinguistics of Morphology”),  
University of Potsdam, Germany

PhD students: Kirill Elin (“Morphological processing at old age”)

MA students: Franziska Hauer (“Agreement attraction and aging”)

Marilena Tsopanidi (“Effects of ageing on Greek past tense inflection”)

Agata Marcante (“The role of declarative memory in first-language attrition”)

RAs & Interns: Stephanie Veldhuis, Kirill Elin, Franziska Hauer, Rebecca Jarvis, Tiffany M.  
Dyson, Marilena Tsopanidi, Andrew Tiu, Laura Bomeny, Charlotte Kovach,  
Blaine Coyle, Lauren Russell, Vidya Mullangi

**LANGUAGES**

German: native

English: fluent (C2)

Dutch: intermediate (B1)

French: beginner (A2)



## **MEMBERSHIPS/AFFILIATIONS**

Cognitive Neuroscience Society (CNS); Deutsche Gesellschaft für Sprachwissenschaft ('German Society for Language Science'; DGfS); Society for European Society for Cognitive Psychology (ESCoP)