

# JANA REIFEGERSTE

Curriculum vitae

Georgetown University  
Department of Neurology  
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## EDUCATION

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

## EMPLOYMENT & ACADEMIC AFFILIATIONS

- 2024 - present        Adjunct Faculty,  
Interdisciplinary Program in Neuroscience, Georgetown University, USA
- 2023 - present        Assistant Professor (research track),  
Director: Aging Brain & Cognition (ABC) Lab  
Department of Neurology, Georgetown University, USA
- 2021 - 2022           Co-Director: Aging and Language projects,  
Brain and Language Lab, Department of Neuroscience, Georgetown  
University, USA
- 2021 - 2022           Adjunct Teaching Faculty,  
Free University Berlin, Germany
- 2019 - 2022           Scientific Staff,  
Potsdam Research Institute for Multilingualism, University of Potsdam,  
Germany
- 2018 - 2021           Visiting Researcher,  
Brain and Language Lab, Department of Neuroscience, Georgetown  
University, USA
- 2018 - 2019           Postdoctoral Researcher,  
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:

1. Miklashevsky, A., **Reifegerste, J.**, Balota, D. A., García, A. M., Pulvermüller, F., Veríssimo, J., & Ullman, M. T. (in press). Embodied cognition comes of age: A processing advantage for action words is modulated by aging and the task. *Journal of Experimental Psychology: General*.
2. Chen, S.\*, Gil, D.\*, Gaponov, S., **Reifegerste, J.**, Yuditha, T., Tatarinova, T., Progovac, Lj.\*, & Benítez-Burraco, A.\* (2024). Linguistic and cognitive correlates of societal variation: A quantitative analysis. *PLOS ONE*, 19, e0300838. doi:10.1371/journal.pone.0300838
3. **Reifegerste, J.** (2024). Inflectional processing across the adult lifespan: A tale of gains and losses. *Journal of Language and Aging Research*, 2, 85-143.
4. **Reifegerste, J.**, Garibagaoglu, A. & Felser, C. (2023). Conceptual number in bilingual agreement computation: Evidence from German pseudo-partitives. *Languages*, 8, 147. doi:10.3390/languages8020147
5. **Reifegerste, J.**, Meyer, A. S., Zwitserlood, P., & Ullman, M. T. (2021). Aging affects steaks more than knives: Evidence that retrieval of words related to motor skills is relatively spared in aging. *Brain and Language*, 218, 104941. doi:10.1016/j.bandl.2021.104941
6. **Reifegerste, J.** (2021). The effects of aging on bilingual language: What changes, what doesn't, and why. (Review). *Bilingualism: Language and Cognition*, 24, 1-17. doi:10.1017/S1366728920000413
7. **Reifegerste, J.**, Veríssimo, J., Rugg, M. D., Pullman, M., Babcock, L., Gleit, D., Weinstein, M., Goldman, N., & Ullman, M. T. (2021). Early-life education may help bolster declarative memory in old age, especially for women. *Aging, Neuropsychology, and Cognition*, 28, 218-252. doi:10.1080/13825585.2020.1736497
8. **Reifegerste, J.**, Jarvis, R., & Felser, C. (2020). Effects of chronological age on native and nonnative sentence processing: Evidence from subject-verb agreement in German. *Journal of Memory and Language*, 111, 104083. doi:10.1016/j.jml.2019.104083
9. **Reifegerste, J.**, Estabrooke, I. V., Russell, L. E., Verissimo, J., Johari, K., Wilmarth, B., Pagan, F. L., Moussa, C., & Ullman, M. T. (2020). Can sex influence the neurocognition of language? Evidence from Parkinson's disease. *Neuropsychologia*, 148, 107633. doi:10.1016/j.neuropsychologia.2020.107633
10. **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
11. Johari, K., Walenski, M., **Reifegerste, J.**, Ashrafi, F., Behroozmand, R., Daemi, M., & Ullman, M. T. (2019). 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
12. Johari, K., Walenski, M., **Reifegerste, J.**, Ashrafi, F., & Ullman, M. T. (2019). Sex, dopamine, and language: A study of inflectional morphology in Parkinson's disease. *Neuropsychology*, 33, 508-522. doi:10.1037/neu0000533

13. 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
14. **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
15. **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
16. **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
17. **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 under review:**

- Hopp, H., **Reifegerste, J.**, & Ullman, M. T. (under review). *Lexical effects on L2 grammar acquisition: Testing psycholinguistic and neurocognitive predictions.*
- Zona, C.<sup>#</sup>, & **Reifegerste, J.** (under review). *Visual context benefits spoken sentence comprehension across the lifespan.*

#### **Manuscripts in preparation:**

- Bulut, T., **Reifegerste, J.**, Tagarelli, K. M., Turkeltaub, P. E., Ullman, M. T., & Veríssimo, J. (in prep). *The functional neuroanatomy of morphology: A meta-analysis.*
- Cardoso-Botelho, M., Cortes, R. A., Kleinmintz, O. M., **Reifegerste, J.**, Ullman, M. T., & Green, A. E. (in prep). *The effects of age on creativity and related neural structures.*
- Cortese, M. J., Khanna, M. M.\* , **Reifegerste, J.\***, Balota, D. A., & Ullman, M. T. (in prep). *Frequency and consistency (but not age) affect reading across the adult lifespan.*
- Lyons, I.\* , **Reifegerste, J.\***, Evans, T., & Ullman, M. T. (in prep). *Small numbers, big problems: the cognitive and neural substrates of declining arithmetic skills across the adult lifespan.*
- Reifegerste, J.**, Veríssimo, J., Lipscomb, D., Russell, L. E., Flowers, S., & Ullman, M. T. (in prep). *Age-related word-finding problems: The role(s) of cognition, brain structure, and genetics.*
- Reifegerste, J.**, Tagarelli, K., & Ullman, M. T. (in prep). *The neurocognition of adult second-language learning: Evidence from a mini-language.*
- Russell, L. E.<sup>#</sup>, & **Reifegerste, J.** (in prep). *The neurocognition of proper name retrieval in aging.*
- Trifonova, A.<sup>#</sup>, & **Reifegerste, J.** (in prep). *The more you know: Age-related facilitation in the production of irregular morphology.*

Veríssimo, J., Ullman, M. T., & **Reifegerste, J.** (in prep). *Aging is associated with improvements in interference control: Evidence from two lifespan datasets.*

[\* indicates equal contribution]

[# indicates student first author]

### **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.

### **PRESENTATIONS**

#### **Invited talks:**

Reifegerste, J. (2024). *Language processing in the aging mind and brain: What changes, what doesn't, and why?* Invited talk at the workshop "Language Processing in Aging," The Bilingual Mind Research Group, University of the Basque Country (UPV/EHU), Vitoria-Gasteiz, Spain.

Ullman, M. T., & Reifegerste, J. (2023). *The cognitive neuroscience of aging: What declines, why does it happen, and what can you do about it?* Invited talk at the Center for Cognitive Science of Language, Beijing Language and Culture University, Beijing, China.

Reifegerste, J. (2022). *Language processing across the lifespan: What changes, what doesn't, and why?* Invited talk at the conference "Diversity in Language and Cognition," Freiburg Institute for Advanced Studies (FRIAS), Albert Ludwig University of Freiburg, Germany.

Reifegerste, J. (2021). *Sentence processing and aging.* Invited talk at the Bilingual Mind research group, Department of Linguistics and Basque Studies, University of the Basque Country (UPV/EHU), Vitoria-Gasteiz, Spain.

Reifegerste, J. (2020). *Language and aging.* Invited talk at the International Conference on Cognitive Science of Language, Beijing Language and Culture University, Beijing, China. [Canceled.]

Reifegerste, J. (2019). *Language Processing in Aging: What changes, and why?* Invited talk at the Maryland Language Science Center, University of Maryland, College Park MD, USA.

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 “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 (ISB), New Brunswick NJ, USA.

### **Oral conference presentations:**

Reifegerste, J., Ullman, M. T., & Lyons, I. M. (2024). *Age-related declines in hippocampal volumes explain strong age-related declines in simple math-fact retrieval*. Oral presentation at the 2024 conference of the Mathematical Cognition and Learning Society (MCLS 2024), Washington DC, USA.

Benítez-Burraco, A., Chen, S., Gil, D., Gaponov, S., Reifegerste, J., Tatarinova, T., & Progovac, Lj. (2023). *Patterns of correlation between linguistic and sociopolitical complexity*. Oral presentation at the 2023 Conference on Complexity in Language Variation and Change (COMPILA 2023), Tokyo, Japan.

Hopp, H., Reifegerste, J., & Ullman, M. T. (2023). *Procedural memory and lexical constraints on L2 implicit grammatical learning*. Oral presentation at the 32<sup>nd</sup> Conference of the European Second Language Association (EuroSLA 32), Birmingham, UK.

Benítez-Burraco, A., Chen, S., Gil, D., Progovac, Lj., Reifegerste, J., & Tatarinova, T. (2023). *Looking for correlations between language structural complexity and sociopolitical complexity*. Oral presentation at the 56<sup>th</sup> Annual Meeting of the Societas Linguistica Europaea (SLE 2023), Athens, Greece.

Zona, C. I., & Reifegerste, J. (2022). *Weighting visual and linguistic cues for sentence comprehension: a lifespan study*. Oral presentation at the 22<sup>nd</sup> Conference of the European Society for Cognitive Psychology (ESCoP 2022), Lille, France.

Reifegerste, J. (2022). *Sprache im Alter — was verändert sich, was bleibt, und warum?* [Language in aging – what changes, what doesn’t, and why?]. Oral presentation at the Potsdamer Tag der Wissenschaften [Potsdam Science Day], Potsdam, Germany.

Benítez-Burraco, A., Cahuana, C., Gil, D., Progovac, Lj., Reifegerste, J., & Tatarinova, T. (2022). *Cognitive and genetic correlates of a single macro-parameter of crosslinguistic variation*. Oral presentation at the workshop “Cognitive and Cultural Influences on Language Emergence.”

Reifegerste, J. (2022). *Healthy aging affects storage-based, but not rule-based inflectional processing: A cross-modal priming study on German plurals*. Oral presentation at the 5<sup>th</sup> Corpora for Language and Aging Research conference (CLARe5), Anchorage AK, USA.

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 “Sentence Processing in Multilingual and Other Less Commonly Studied Populations,” Potsdam, Germany.
- Veríssimo, 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 “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 conference presentations:**

- Cardoso-Botelho, M., Reifegerste, J., Kleinmintz, O. M., Cortes, R. A., Ullman, M. T., & Green, A. E. (2024). *The Impact of Aging on the Neurocognition of Creativity*. Poster presentation at the 2024 Conference of the Society for the Neuroscience of Creativity (SfNC 2024), Toronto, Canada.
- Miklashevsky, A., Reifegerste, J., García, A. M., Pulvermüller, F., Balota, D. A., & Ullman, M. T. (2023). *As embodiment comes of age: A processing advantage for action words is modulated by aging and the task*. Poster presentation at the 23<sup>rd</sup> Conference of the European Society for Cognitive Psychology (ESCoP 2023), Porto, Portugal.
- Russell, L. E., Reifegerste, J., & Ullman, M. T. (2023). *Why do we have such difficulty recalling people's names as we get older? A neurocognitive hypothesis*. Poster presentation at the 30<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco CA, USA.

- Cano Sánchez, V., Laka, I., Lago, S., Reifegerste, J., & Santesteban, M. (2023). *Eye tracking agreement processing and attraction effects in the aging brain: A subject-verb agreement comprehension study in Spanish*. Poster presentation at the XVI International Symposium of Psycholinguistics, Vitória-Gasteiz, Spain.
- Benítez-Burraco, A., Chen, S., Gaponov, S., Gil, D., Progovac, Lj., Reifegerste, J., Tatarinova, T., & Yuditha, T. (2023). *Cognitive and linguistic correlates of societal variation: A quantitative analysis*. Poster presentation at Protolang 8, Rome, Italy.
- Reifegerste, J., Johari, K., & Ullman, M. T. (2023). *Effects of handedness on episodic memory: Evidence from a non-verbal task*. Poster presentation at the 30<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco CA, USA.
- Reifegerste, J., Russell, L. E., Balota, D. A., Lipscomb, D., Luta, G., Meinzer, M., Rugg, M. D., Shattuck, K., Turkeltaub, P. E., VanMeter, A. S., Verissimo, J., & Ullman, M. T. (2022). *Why do we have such difficulty recalling words as we get older? Evidence that word-finding problems in aging may be due to hippocampal declines*. Poster presentation at the 14<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Philadelphia PA, USA.
- Cano Sánchez, V., Laka, I., Lago, S., Reifegerste, J., & Santesteban, M. (2022). *Eye-tracking the bilingual brain*. Poster presentation at the workshop “L2 sentence and discourse processing,” Cologne, Germany.
- Trifonova, A., & Reifegerste, J. (2022). *The more you know: Age-related facilitation in the production of irregular morphology*. Poster presentation at the 12<sup>th</sup> International Conference on the Mental Lexicon, Niagara-on-the-Lake, Canada.
- Reifegerste, J., Russell, L. E., Balota, D. A., Lipscomb, D., Luta, G., Meinzer, M., Rugg, M. D., Shattuck, K., Turkeltaub, P. E., VanMeter, A. S., Verissimo, J., & Ullman, M. T. (2022). *Why do we have such difficulty recalling words as we get older? Evidence that word-finding problems in aging may be due to hippocampal declines*. Poster presentation at the 1<sup>st</sup> Annual Georgetown University Medical Center Healthy Aging Symposium, Washington DC, USA.
- Benítez-Burraco, A., Cahuana, C., Gil, D., Progovac, Lj., Reifegerste, J., & Tatarinova, T. (2022). *Cognitive and genetic correlates of a single macro-parameter of crosslinguistic variation*. Poster presentation at the Joint Conference on Language Evolution, Kanazawa, Japan.
- Reifegerste, J., Russell, L. E., Balota, D. A., Lipscomb, D., Luta, G., Meinzer, M., Rugg, M. D., Shattuck, K., Turkeltaub, P. E., VanMeter, A. S., Verissimo, J., & Ullman, M. T. (2022). *The neurocognition of word-finding abilities across the lifespan*. Poster presentation at the 29<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco CA, USA.
- Russell, L. E., Reifegerste, J., & Ullman, M. T. (2022). *The neurocognition of proper name retrieval in aging*. Poster presentation at the Georgetown University Undergraduate Research Conference, Washington DC, USA.
- Zona, C. I., & Reifegerste, J. (2022). *The weighting of visual-cue information during sentence comprehension across the lifespan*. Poster presentation at the 2022 Cognitive Aging Conference (CAC 2022), Atlanta GA, USA.

- Reifegerste, J., Russell, L. E., Balota, D. A., Lipscomb, D., Luta, G., Meinzer, M., Rugg, M. D., Shattuck, K., Turkeltaub, P. E., VanMeter, A. S., Verissimo, J., & Ullman, M. T. (2022). *What's that word again? The contribution of the hippocampus to word-finding declines in aging*. Poster presentation at the 2022 Cognitive Aging Conference (CAC 2022), Atlanta GA, USA.
- Miklashevsky, A., Reifegerste, J., Balota, D. A., & Ullman, M. T. (2021). *The effect of aging on lexical processing is moderated by sensorimotor semantics*. Poster presentation at the workshop "Grounded and Symbolic Representation in Language Processing," Tübingen, Germany.
- 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 presentation at the 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco CA, USA.
- Reifegerste, J., Elin, K., & Clahsen, H. (2018). *Morphological processing in aging bilinguals: Evidence from inflectional and derivational priming*. Poster presentation 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 presentation at the 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore MD, USA.
- Reifegerste, J., Elin, K., & Clahsen, H. (2017). *Dissociating derivational and inflectional priming: Evidence from older bilinguals*. Poster presentation 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 presentation 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 presentation at the 24<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco CA, USA.
- Reifegerste, J., Hauer, F., & Felser, C. (2016). *Attraction errors in aging: Subject-verb agreement in younger and older speakers of German*. Poster presentation 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 presentation 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 presentation at the 13<sup>th</sup> Winter Conference of the Dutch Psychonomic Society (NVP), Egmond aan Zee, The Netherlands.

## **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.



## RESEARCH GRANTS

### Awarded:

NSF Research Grant (Ullman, PI)

09/15/2020 - 09/14/2023

*The nature and emergence of lexical difficulties in aging adults* (NSF BCS 1940980)

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-PI

Total costs: \$500,000.

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* (411781424)

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

Role: Principal Investigator

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

Georgetown University Medical Center 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.

### Under Review:

NIH R01 (Reifegerste, PI)

07/01/2024 - 06/30/2029

*Lexical impairments in amnesic mild cognitive impairment: what, why, and who*

This project investigates lexical abilities in amnesic mild cognitive impairment (aMCI), and is designed to reveal just what aspects of word use are impaired in aMCI, what neuroanatomical declines explain these impairments, and whether we can prognostically predict which apparently healthy adults will go on to develop aMCI.

Role: Principal Investigator

Total costs: \$3,871,016.

### **Unsuccessful (submitted within the last 5 years):**

German Science Foundation (DFG): Principal Investigator Position (Miklashevsky, PI)  
4/01/2024 - 02/28/2027

#### *Individual differences in embodied language processing*

This study investigates variability in the extent to which individuals rely on memory representations when processing sensorimotor language (e.g., ‘red,’ ‘loud,’ ‘salty’) and factors modulating this inter-individual variability.

Role: Collaborator

Direct costs: € 326,299 (≈ \$353,153 as of submission date of Jan 2023).

NIH R21 (Ullman, PI)

06/01/2020 - 05/31/2022

#### *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).

### **AWARDS, HONOURS, AND INTRAMURAL GRANTS**

|             |   |
|-------------|---|
| 2022        | Travel grant,<br>Potsdam Graduate School (PoGS), University of Potsdam, Germany                                 |
| 2021        | Personnel grant (to hire a post-bac student),<br>Potsdam Graduate School (PoGS), University of Potsdam, Germany |
| 2020        | Travel grant,<br>Potsdam Graduate School (PoGS), University of Potsdam, Germany                                 |
| 2015 - 2017 | Recipient of annual 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 (top 10% of graduating class at Faculty of Arts),<br>McGill University, Montreal, Canada     |
| 2008        | Study abroad scholarship,<br>German Academic Exchange Services (DAAD), Germany                                  |

### **SERVICE TO PROFESSION**

#### **Administrative:**

|             |   |
|-------------|---|
| 2021 - 2022 | Co-head of the committee “Open Science: Task & Data Management,”<br>Potsdam Research Institute for Multilingualism, University of Potsdam,<br>Germany |
| 2011 - 2013 | PhD Representative,<br>Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands  |
| 2011 - 2013 | Member of the Research Facilities Committee,<br>Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands                                 |

**Scientific:**

- 2022 Session chair at Corpora for Language and Aging Research (CLARe5) conference, session “Constructing Age”
- 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

Editorial Boards:

- 2023 - 2025 Journal *Bilingualism: Language and Cognition*

Ad hoc reviewer:

- Journals: Applied Psycholinguistics; Behavioral Research Methods; Bilingualism: Language and Cognition; Cognition; Frontiers in Communication; Frontiers in Psychology; Journal of Communication Disorders; Journal of Communication Disorders; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Psycholinguistic Research; Language, Cognition and Neuroscience; PLOS ONE
- Grant proposals: Deutsche Forschungsgemeinschaft (DFG, ‘German Science Foundation’); NSF Linguistics Program; US-Israel Binational Science Foundation
- Conferences: Formal Descriptions of Slavic Languages 12.5; International Conference on the Mental Lexicon (multiple years); Society for the Neurobiology of Language (multiple years)

**Community Outreach:**

- 2022 Co-organizer of the “Meet a Scientist” workshop at the Potsdam Day of the Sciences (Potsdamer Tag der Wissenschaften), a public outreach event where scientists present their work to a lay audience
- 2018 - present Member of “Skype a Scientist” (a non-profit organization that matches scientists with classrooms for Q&A sessions about their work)
- 2015 - 2016 Annual presentations about bilingualism research, together with experiments to children, at public outreach events, in Potsdam, Germany

**TEACHING AND SUPERVISION/MENTORING****Teaching:**

- Spring 2024 Course “Cognitive Neuroscience of Aging” (graduate-level; INNS-6303), Georgetown University, Washington DC, USA
- Spring 2024 Research Module “Language in the Aging Brain” (undergraduate-level course “ICOS 202 - Research Modules: Cognitive Science”), Georgetown University, Washington DC, USA
- Spring 2024 Lecture on “Cognitive Neuroscience of Aging” (graduate-level course “INNS-501 - Basic Neuroscience II”), Georgetown University, Washington DC, USA

- Spring 2024 Research Tutorial course “Language across the lifespan”  
(cross-listed undergraduate-level course:  
“BIOL 341 - Research Intensive Senior Experience (RISE)”),  
Georgetown University, Washington DC, USA
- Fall 2023 Lecture on “Cognitive Neuroscience of Aging” (graduate-level course  
“PPOL-4900-01 – Population Health”),  
Georgetown University, Washington DC, USA
- Fall 2023 Research Tutorial course “Language across the lifespan”  
(cross-listed undergraduate-level courses:  
“HSCI 3940 - Independent Study,”  
“BIOL 341 - Research Intensive Senior Experience (RISE)”),  
Georgetown University, Washington DC, USA
- Spring 2023 Research Module “Language in the Aging Brain” (undergraduate-level  
course “ICOS 202 - Research Modules: Cognitive Science”),  
Georgetown University, Washington DC, USA
- Spring 2023 Lecture on “Cognitive Neuroscience of Aging” (graduate-level course  
“INNS-501 - Basic Neuroscience II”),  
Georgetown University, Washington DC, USA
- Spring 2023 Lecture on “Cognitive Neuroscience of Aging” (graduate-level course  
“AGHL-490-01 - An Aging World”),  
Georgetown University, Washington DC, USA
- Fall 2022 Research Tutorial course “Language across the lifespan”  
(cross-listed undergraduate-level course:  
“BIOL 340/341/342 - Research Tutorial”),  
Georgetown University, Washington DC, USA
- Spring 2022 Seminar course “Introduction to Linguistics” (undergraduate level;  
PHILGEIST\_16624),  
Free University Berlin, Germany
- Spring 2022 Research Tutorial course “Language across the lifespan”  
(cross-listed undergraduate-level courses:  
“BIOL 340/341/342 - Research Tutorial,”  
”PSYC 401/402/403 - Research Experience-Based Learning (REBL),”  
”ICOS 392 - Senior Thesis in Cognitive Science”),  
Georgetown University, Washington DC, USA
- Spring 2022 Research Module “Language in the Aging Brain” (undergraduate-level  
course “ICOS 202 - Research Modules: Cognitive Science”),  
Georgetown University, Washington DC, USA
- Fall 2021 Seminar course “Language research techniques” (undergraduate level;  
PHILGEIST\_16629/ PHILGEIST\_16630),  
Free University Berlin, Germany
- Fall 2021 Research Tutorial course “Language across the lifespan”  
(cross-listed undergraduate-level courses:  
“BIOL 340/341/342 - Research Tutorial,”  
”PSYC 401/402/403 - Research Experience-Based Learning (REBL),”  
”ICOS 391 - Senior Thesis in Cognitive Science”),  
Georgetown University, Washington DC, USA

|             |   |
|-------------|---|
| Spring 2021 | Research Tutorial course “Language across the lifespan”<br>(cross-listed undergraduate-level courses:<br>“BIOL 340/341/342 - Research Tutorial,”<br>”PSYC 401/402/403 - Research Experience-Based Learning (REBL),”<br>”ICOS 302 - Research Tutorial in Cognitive Science”),<br>Georgetown University, Washington DC, USA |
| Summer 2020 | Lecture on “The Lexicon in Aging” (graduate-level course “Words in the<br>mind and brain”),<br>University of Potsdam, Germany   |
| Spring 2020 | Lecture on “Language and Aging” (graduate-level seminar “Aging &<br>Health”),<br>Georgetown University, Washington DC, USA  |
| Spring 2020 | Lecture on “Language in the aging brain” (graduate-level course “NSCI 523<br>- Brain and Language”),<br>Georgetown University, Washington DC, USA   |
| Spring 2019 | Research Module “Language and Aging” (undergraduate-level course “ICOS<br>202 - Research Modules: Cognitive Science”),<br>Georgetown University, Washington DC, USA   |
| Spring 2017 | Lecture on “Morphology in neurodegenerative diseases: Alzheimer’s and<br>Parkinson’s disease” (graduate-level course “Neurolinguistics of<br>Morphology”),<br>University of Potsdam, Germany  |

### **Supervision/Mentorship:**

|                 |  |
|-----------------|--|
| Post-docs:      | Joshua Buffington  |
| PhD students:   | Kirill Elin (“Morphological processing at old age”)<br>Aleksandra Trifonova (“Syntactic processing in bilingual speakers”)   |
| MA/MS students: | Franziska Hauer (“Agreement attraction and aging”)<br>Marilena Tsopanidi (“Effects of ageing on Greek past tense inflection”)<br>Agata Marcante (“The role of declarative memory in first-language attrition”)<br>Blaine Coyle (no thesis)<br>Denas Kisonas (no thesis)<br>Aleksandra Trifonova (“Morphological processing across the lifespan:<br>Evidence from German plurals”)<br>Mackenzie Brown (no thesis; 1 <sup>st</sup> prize at annual cohort poster presentation)<br>Sparsha Muralidhara (no thesis; 1 <sup>st</sup> prize at annual cohort poster presentation)<br>Casandra Soccio (“The neural substrates of spatial navigation in aging”)<br>Sai Soumya Gudipudi (“The effects of musicianship on procedural memory”)<br>Nhyira Annan (“Does reading modulate age-related hippocampal decline?”) |
| BA/BS students: | Lauren Russell (“The neurocognition of proper names in aging”)<br>Mason Sermarini (“The effects of exercise on cognitive aging”)<br>Jimin Lee (“How does APOE genotype affect the medial temporal lobe?”)  |

**RAs & Interns:** Ceci Verbaarschot, Stephanie Veldhuis, Kirill Elin, Franziska Hauer, Rebecca Jarvis, Tiffany Dyson, Marilena Tsopanidi, Andrew Tiu, Laura Bomeny, Charlotte Kovach, Lauren Russell, Vidya Mullangi, Walid Khan, Catherine Woodhouse, Lea Frawley, Alexa MacKinnon, Basile Zumbrunnen, Anca Serbanica, Sophia Elliott, Aleksandra Trifonova, Jule Nabrotzky, Sadhana Suri, Kristin Rabil, Alba Molins Bordallo, Jennifer Blackwood, Brandon Duran, Ryan Thomas, Natalya Vladyko, Jessica Schwartz, Lea Böhme, Katherine Borden, Jimin Lee, Nicole Keller, Gracie Rank, Ally Archer, Jamie Smith, Michelle Cho, Minsol Kim, Esha Manduva, Ikram Muhammedsani, Mason Sermarini, Ella Fathi, Imanaria Adogu, Grace Stephenson, Gustavo Franco Quaresma de Moura, Mai Miura, Navya Yarrabothula, Sonal Alla, Andie Oates, Chloe Anderson  
**High school level:** Karl Birke, Michael Yao, Akshath Karthikeyan, Atishay Jain, Prathiv Raj Ramesh Babu, Christopher Serrao, Sahil Kapadia  
**Thesis committee:** Sina Bosch, Laura Ciaccio  
**Mentorship:** Carlotta Zona, Atishay Jain, Akshath Karthikeyan, Victoria Cano Sánchez

**Events:**

February 2023 Invited speaker at career event of “Exeter Neuroscience” and the “Biology Club,”  
 Phillips Exeter Academy, Exeter NH, USA  
 October 2022 Invited speaker at workshop “Grant Writing,”  
 University of Potsdam, Germany  
 October 2021 Invited panel speaker at workshop “PostDoc Career Development,”  
 University of Cologne, Germany  
 June 2015 Invited panel speaker at workshop “International postdoc careers,”  
 Radboud University Nijmegen, the Netherlands  
 July 2012 Workshop organization “Scientific career opportunities outside of academia,”  
 International Max Planck Research School for Language Sciences,  
 Nijmegen, the Netherlands

**MEDIA INTERVIEWS AND STORIES**

June 2020 Georgetown University Medical Center distributed a press release about a recently published paper assessing the role of sex and education on episodic memory in aging (Reifegerste, Verissimo et al., 2021), which was picked up by several news outlets globally (e.g., Wall Street Journal, Science Daily, Yahoo!News, The Science Times, Your Life Choices (Australia), RTBF (Belgium), Duna Press (Brazil), Metro (France), Heilpraxis (Germany), Outlook India, Newsroom Post (India), Iran Daily), including several radio stations (mainly affiliated with CBS).  
 May 2020 Uni Portal Wissen (magazine published by the University of Potsdam; magazine interview on language across the lifespan)  
 January 2020 NOS Journaal (Dutch Broadcast Foundation; TV and radio interview on the effects on aging on the brain and cognition)

## **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

## **LANGUAGES**

German: native  
English: fluent (C2)  
Dutch: intermediate (B1)  
French: beginner (A2)  
Spanish: beginner (A1)

## **MEMBERSHIPS/AFFILIATIONS**

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