Jason W. Gullifer

McGill University   phone: 1.438.868.1859
Department of Psychology   e-mail: jason.gullifer@mail.mcgill.ca
2001 Avenue McGill College   website: http://www.jasonwgullifer.com
Montréal, QC H3A 1G1 Canada   scholar: https://goo.gl/dPaVVd

cognitive psychology – cognitive neuroscience – bilingualism – psycholinguistics
cognitive modeling – statistics & machine learning – fMRI – behavioral methods – eyetracking

Appointments

Postdoctoral Researcher   2018 – present
>   Department of Psychology; McGill University

NIH Postdoctoral Fellow   2015 – 2018
>   Department of Psychology; McGill University

Research Technologist   2007 – 2009
>   Department of Psychology, Department of Spanish Italian and Portuguese,
>   Center for Language Science; Penn State University

Education

Ph.D.   **Psychology and Language Science**   2011 – 2015
>   Department of Psychology, Center for Language Science; Penn State University
>   Dissertation: *Using syntactic priming to identify cross-language constraints in bilingual language processing*
>   Advisors: Judith Kroll & Paola Dussias

M.S.   **Psychology**   2009 – 2011
>   Department of Psychology, Center for Language Science; Penn State University
>   Thesis: *The effect of syntactic constraints on parallel activation of words in the bilingual's languages*
>   Advisors: Judith Kroll & Paola Dussias

B.A.   **Linguistics and Psychology**   2003 – 2007
>   Department of Linguistics; University of Massachusetts, Amherst
>   Thesis: *Processing Reverse Sluicing*
>   Advisors: Charles Clifton & Lyn Frazier

Research Funding

$70,224   **Social Sciences and Humanities Research Council (SSHRC)** Insight Development Grant   2019-2021
Validating Language Entropy [430-2019-00935]
Role: PI

$95,697   **Social Sciences and Humanities Research Council (SSHRC)** Insight Grant   2019-2023
Eye tracking investigations of what adult bilinguals "notice" in the linguistic landscape [435-2019-1264]
Role: Co-PI; PI: Debra Titone

$65,752   **Social Sciences and Humanities Research Council (SSHRC)** Insight Development Grant   2016-2018
Uncovering the Predictive Power of Multilingual Social Networks [430-2016-01037]
Role: PI

$158,805 **National Institutes of Health (NIH)** Ruth L. Kirschstein National Research Service Award   2015-2018
Consequences of a Natural Switch in Language Immersion Context [F32 HD082983]
Role: PI

$17,513   **National Science Foundation (NSF)** Doctoral Dissertation Research Grant   2013-2014
Using syntactic priming to identify cross-language constraints in bilingual language processing [BCS- 1251896]
Role: Co-PI; PI: Judith F. Kroll

$5,000 **Penn State University Liberal Arts College** Dissertation Support Grant: 2013
Using syntactic priming to identify cross-language constraints in bilingual language processing

Awards

International Symposium on Bilingualism 10, Second Place Poster Prize 2015
Using syntactic priming to identify cross-language constraints in bilingual language processing
Penn State University Center for Language Science PIRE Fellowship Travel Award 2011
The effect of immersion on cross-language activation during visual word recognition
National Science Foundation (NSF) Graduate Research Fellowship Program, Honorable Mention 2011
The effect of syntactic constraints on parallel activation of words in the bilingual's languages

Publications

1. **Gullifer, J. W.** & Titone (submitted). Bilingualism: A neurocognitive exercise in managing uncertainty.
2. **Gullifer, J.**, Kousaie, S., Gilbert, A., Grant, A., Giroud, N., Coulter, K., Klein, D., Baum, S., Phillips, N., & Titone, D. (in press). Bilingual language experience as a multidimensional spectrum: Associations with objective and subjective language proficiency. *Applied Psycholinguistics.* First view. https://doi.org/10.1017/S0142716420000521
3. **Gullifer, J. W.**, & Titone, D. (2020). Engaging proactive control: Influences of diverse language experiences using insights from machine learning. *Journal of Experimental Psychology: General.* Advance online publication. https://doi.org/10.1037/xge0000933
4. Titone, D., Mercier, J., Sudarshan, A., Pivneva, I., **Gullifer, J.**, & Baum, S. (2020). Spoken word processing in bilingual older adults: Assessing within- and cross-language competition using the visual world task. *Linguistic Approaches to Bilingualism.* Online first article. https://doi.org/10.1075/lab.18028.tit
5. Tiv, M., **Gullifer, J. W.**, Feng, R. Y., & Titone, D. (2020). Using network science to map what Montréal bilinguals talk about across languages and communicative contexts. *Journal of Neurolinguistics, 56*. https://doi.org/10.1016/j.jneuroling.2020.100913
6. **Gullifer, J. W.** & Titone, D. (2020). Characterizing the social diversity of bilingualism using language entropy. *Bilingualism: Language and Cognition, 23*(2), 283-294. doi:10.1017/S1366728919000026
7. **Gullifer, J. W.** & Titone, D. (2019). The impact of a momentary language switch on bilingual reading: Intense at the switch but merciful downstream for L2 but not L1 readers. *Journal of Experimental Psychology: Learning, Memory, and Cognition.* doi: 10.1037/xlm0000695
8. **Gullifer, J. W.**, Chai, X. J., Whitford, V., Pivneva, I., Baum, S., Klein, D., & Titone, D. (2018). Bilingual experience and resting-state brain connectivity: Impacts of L2 age of acquisition and social diversity of language use on control networks. *Neuropsychologia, 117, 123-134.* doi: 10.1016/j.neuropsychologia.2018.04.037
9. Vingron, N., **Gullifer, J. W.**, Hamill, J., Leimgruber, J., & Titone, D. (2017). Using eye tracking to investigate what bilinguals notice about linguistic landscape images. *Linguistic Landscape, 3*, 226-245. doi: 10.1075/ll.17014.vin
10. Titone, D., **Gullifer, J.**, Subramaniapillai, S., Rajah, N., & Baum, S. (2017). History-inspired reflections on the bilingual advantages hypothesis. In Bialystok, E. & Sullivan, M. D. (Eds.), *Growing Old with Two Languages: Effects of Bilingualism on Cognitive Aging* (pp. 265-295). Amsterdam: John Benjamins Publishing.
11. Dussias, P., **Gullifer, J.**, & Poepsel, T. J. (2016). How psycholinguistics can inform contact linguistics: converging evidence against a decreolization view of Palenquero. In Schwegler, A., & McWhorter, J., Ströbel, L. (Eds.), *The Iberian Challenge: Creole Languages Beyond the Plantation Setting* (pp. 181-204). Madrid/Frankfurt: Iberoamericana/Vervuert Verlag.
12. Kroll, J.F., **Gullifer, J.**, & Zirnstein, M. (2016). Literacy in adulthood: Reading in two languages. In Nicoladis, E., & Montanari, S. (Eds.), *Lifespan Perspectives on Bilingualism* (pp. 225-245). Washington, DC: American Psychological Association. doi: 10.1037/14939-013.

13. Kroll, J. F., **Gullifer, J. W.**, McClain, R., Rossi, E., & Martín, M.C. (2015). Selection and control in bilingual comprehension and production. In J. Schwieter, (Ed.), *Cambridge Handbook of Bilingualism* (pp. 485-507). Cambridge: Cambridge University Press. doi:10.1017/CBO9781107447257.021

14. Kroll, J. F., **Gullifer, J. W.**, & Rossi, E. (2013). The multilingual lexicon: The cognitive and neural basis of lexical comprehension and production in two or more languages. In C. Polio (Ed.), *Annual Review of Applied Linguistics* (Vol. 33, pp. 102–127). Cambridge: Cambridge University Press. doi:10.1017/S0267190513000111

15. **Gullifer, J. W.**, Kroll, J. F., & Dussias, P. E. (2013). When language switching has no apparent cost: Lexical access in sentence context. *Frontiers in Psychology*, 4, 1–13. doi:10.3389/fpsyg.2013.00278

Software packages

1. **Gullifer, J. W.**, & Titone, D. (2018). Compute language entropy with {languageEntropy}. Retrieved from https://github.com/jasongullifer/languageEntropy. doi:10.5281/zenodo.1403272
2. **Gullifer, J. W.** (2009). Compute measures of word similarity. Retrieved from https://github.com/jasongullifer/wordSimilarity.

Organized Sessions and Symposia

1. **Titone, D.**, Gullifer, J., Itzhak, I, Macdougall, H., Phillips, N. (2019). Language Science: The Next Generation. Pre-meeting organized before the 2019 Annual Meeting of the Psychonomic Society.
2. **Gullifer, J. W.**, & Titone, D. (2019). Impacts of language diversity on language abilities, executive control, and brain plasticity in bilingual and monolingual adults. Session proposed for the 12th International Symposium on Bilingualism (ISB12). Edmonton, Alberta.
3. **Gullifer, J. W.**, & Titone, D. (2017). Scaling up: Psycholinguistic investigations of real-world bilingualism. Session organized at the 11th International Symposium on Bilingualism (ISB11). Limerick, Ireland.

Conference Presentations

1. **Gullifer, J.** & Titone, D. (2020). Engaging proactive control: Influences of diverse language experiences using insights from machine learning. Paper presented at the 61st Annual Meeting of the Psychonomic Society. Virtual Conference.
2. Tiv, M., **Gullifer, J.**, Feng, R. Y., & Titone, D. (2020). The talk of the town. A network approach to characterizing bilingual conversational topics in Montreal. Paper presented at the 61st Annual Meeting of the Psychonomic Society. Virtual Conference.
3. **Gullifer, J.**, Kousaie, S., Gilbert, A. C., Grant, A., Giroud, N., Coulter, K., Klein, D., Baum, S., Phillips, N., & Titone, D. (2020). Quantifying bilingual language experience as a complex and socially dynamic spectrum: Associations with objective and subjective language proficiency. Poster presented at the 61st Annual Meeting of the Psychonomic Society. Virtual Conference.
4. Tiv, M., Kutlu, E., **Gullifer, J.**, Feng, R. Y., & Titone, D. (2020) Bridging personal and environmental language dynamics with network science. Poster presented at the 61st Annual Meeting of the Psychonomic Society. Virtual Conference.
5. **Gullifer, J.** (2020). Bilingualism matters in Montreal. Short presentation for Bilingualism Matters Across the World, Affiliate Meeting of 61st Annual Meeting of the Psychonomic Society .
6. Mokha, A. K., Palma P., **Gullifer, J.**, Imbault, K., Kuperman, W., & Titone, D. (2020). Does grain size of L1 orthography relate to self-rated L2 reading and writing ability? Poster presented at the 2020 Words in the World International Conference (WoW). [Held Online]
7. Senaldi, M. S. G., Wei, J., **Gullifer, J.**, & Titone, D. (2020). Scratching your tête over code switched idioms: Evidence from eye movement measures of reading. Poster presented at the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP 2020). Potsdam, Brandenburg [Held Online]
8. **Gullifer, J.**, Kousaie, S., Gilbert, A. C., Grant, A., Giroud, N., Coulter, K., Klein, D., Baum, S., Phillips, N., & Titone, D. (2020). Quantifying bilingual language experience as a complex and socially dynamic spectrum. Poster presented at the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP 2020). Potsdam, Brandenburg [Held Online]
9. **Gullifer, J. W.,** & Titone. (2019). Using machine learning to assess whether bilingual experience predicts second language outcomes and proactive executive control performance. Poster presented at the 60th Annual Meeting of the Psychonomic Society. Montreal, Quebec.

10. Gilbert, A. C., **Gullifer, J. W.**, Wolpert, M., & Saito, H., Kousaie, S., Itzhak, I., Gracco, V., Klein, D., Phillips, N., Titone, D., & Baum, S. (2019). Language dominance and entropy as predictors of word segmentation cue production in bilinguals. Paper presented at the 60th Annual Meeting of the Psychonomic Society. Montreal, Quebec.

11. Gilbert, A. C., & **Gullifer, J. W.** (2019). Language dominance and entropy as predictors of fundamental frequency modulations in bilingual production. Invited paper presented at "Language Science: The Next Generation", a pre-meeting to the 60th Annual Meeting of the Psychonomic Society. Montreal, Quebec.

12. **Gullifer, J. W.**, & Titone, D. (2019). Language entropy: A novel quantification of social language experience among bilinguals. Paper presented at the Capturing and Quantifying Individual Differences in Bilingualism Workshop. Tromsø, Troms.

13. **Gullifer, J.**, Kousaie, S., Gilbert, A., Giroud, N., Grant, A., Coulter, K., Klein, D., Baum, S., Phillips, N., & Titone, D. (2019). Language entropy: A novel quantification of language experience among bilinguals. Poster presented at the 11th annual meeting of the Society for the Neurobiology of Language (SNL2019). Helsinki, Uusimaa.

14. Palma, P., **Gullifer, J.**, Vingron, N., Whitford, V., Friesen, D., Jared, D., & Titone, D. (2019). Congruency effects and individual differences in bilingual experience influence Simon Task performance. Poster presented at the 41st Annual Meeting of the Cognitive Science Society (CogSci 2019). Montreal, Quebec.

15. Tiv, M., **Gullifer, J.**, Otto, A. R., & Titone, D. (2019). Individual differences in second language age of acquisition and language entropy predict non-verbal reinforcement learning among bilingual adults. Poster presented at the 41st Annual Meeting of the Cognitive Science Society (CogSci 2019). Montreal, Quebec.

16. Vingron, N., **Gullifer, J.**, Titone, & D. (2019). Exploring the linguistic landscape: How individual differences among bilingual adults modulate eye movements when viewing multilingual artificial signs. Poster presented at the 41st Annual Meeting of the Cognitive Science Society (CogSci 2019). Montreal, Quebec.

17. Titone, D., & **Gullifer, J. W.** (2019). Language entropy predicts language abilities and executive control: Evidence from the inhabitants of the diverse city of Montréal. Paper presented at the 12th International Symposium on Bilingualism (ISB12). Edmonton, Alberta.

18. Tiv, M., **Gullifer, J.**, & Titone, D. (2019). Using network analysis to estimate bilingual L1 and L2 lexical interconnectedness. Poster presented at the 2019 International Sunbelt Social Network Conference. Montreal, Quebec.

19. **Gullifer, J. W.**, & Titone, D. (2018). Individual differences in language diversity predict second language abilities and organization of executive control networks. Paper presented at the 2018 Conference on Multilingualism (COM2018). Ghent, East Flanders.

20. **Gullifer, J. W.**, & Titone, D. (2018). Language Diversity Predicts Second Language Abilities. Poster presented at the 59th Annual Meeting of the Psychonomic Society. New Orleans, Louisiana.

21. Titone, D., Vingron, N., Palma, P., **Gullifer, J.**, Whitford, V., Friesen, D., & Jared., D. (2018). Do Bilinguals Exhibit Cross-Language Syntactic Activation During Bilingual Reading? Paper presented at 59th Annual Meeting of the Psychonomic Society. New Orleans, Louisiana.

22. **Gullifer, J. W.**, Chai, X., Whitford, V., Pivneva, I., Baum, S., Klein, D., & Titone, D. (2018). The relationship between resting state networks and bilingual reading: A preliminary investigation. Poster presented at the Brenda Milner Centennial Symposium. Montreal, Quebec.

23. **Gullifer, J. W.**, Chai, X., Whitford, V., Pivneva, I., Baum, S., Klein, D., & Titone, D. (2018). The relationship between resting state networks and bilingual reading: A preliminary investigation. Poster presented at the 10th annual meeting of the Society for the Neurobiology of Language (SNL2018). Quebec City, Quebec.

24. Tiv, M., **Gullifer, J.**, Otto, R., & Titone, D. (2018). The Impact of Second Language Age of Acquisition and Language Usage Entropy on Reinforcement Learning among Bilingual Adults in a Non-Verbal Decision Making Task. Poster presented at the 10th annual meeting of the Society for the Neurobiology of Language (SNL2018). Quebec City, Quebec.

25. **Gullifer, J. W.**, & Titone, D. (2018). *Capitalizing on variability in bilingual language experience: Language entropy predicts L2 abilities and brain organization.* Poster presented at the 2018 meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS). St. John's, Newfoundland.

26. **Gullifer, J.**, Chai, X., Whitford, V., Pivneva, I., Baum, S., Klein, D., & Titone, D. (2017). *Bilingual experience shapes language control networks: the role of L2 AoA and social context of language usage.* Poster presented at the 9th annual meeting of the Society for the Neurobiology of Language (SNL2017). Baltimore, Maryland.

27. Titone, D., Tiv, M., Vingron, N., Chubala, C.M., Heard, A., Robin, J., **Gullifer, J.**, & Pexman, P. (2017). Introducing Women in Cognitive Science Canada (WiCS-Canada): An Extension of "Women in Cognitive Science (WiCS)" from the U.S. to the Canadian Context. Poster presented at the 11th annual meeting of the Gender Summit North America. Montreal, Quebec.

28. Vingron, N., **Gullifer, J.**, Whitford, V., Friesen, D., Jared, D., & Titone, D. (2017). *Using Eye Movements to Investigate Cross-Language Syntactic Activation During Natural Reading.* Poster presented at the 19th European Conference on Eye Movements (ECM2017). Wuppertal, North Rhine-Westphalia.

29. **Gullifer, J.**, Chai, X., Pivneva, I., Whitford, V., Baum, S., Klein, D., & Titone, D. (2017). *Interactional context of bilingualism shapes language control networks.* Paper presented at the 11th International Symposium on Bilingualism (ISB11). Limerick, Ireland.

30. Vingron, N., Rouillard, V., **Gullifer, J.**, Leimgruber, J.R.E. & Titone, D. (2017). *What The Eyes Tell Us About How Bilinguals Visually Encode Linguistic Landscapes.* Paper presented at the 11th International Symposium on Bilingualism (ISB11). Limerick, Ireland.

31. Vingron, N., **Gullifer, J.**, Whitford, V., Friesen, D., Jared, D., & Titone, D. (2017). *Cross-language syntactic activation during natural reading: Evidence from Adjective-Noun Constructions.* Paper presented at the 2017 Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS). Regina, Saskatchewan.

32. Vingron, N., **Gullifer, J.**, Hamill, J., Leimgruber, J.R.E. & Titone, D. (2017). *Un regard sur le traitement des paysages linguistiques par les bilingues.* Poster presented at the 85e Congrès de l'Acfas. McGill University, Montréal, Canada.

33. Aguila, K. A., **Gullifer, J.**, Vingron, N., Rouillard, V., Palenski, P., Li, K., Titone, D. (2017). *Bilingualism and Your Social Life: Is There A Relationship?* Poster presented at the Annual McGill Psychology Undergraduate Research Day.

34. **Gullifer, J.**, & Titone, D. (2016). *The impact of single-word code switching on bilingual sentence reading – Intense at the switch but merciful downstream.* Paper presented at 57th Annual Meeting of the Psychonomic Society. Boston, Massachusetts.

35. **Gullifer, J. W.**, Chai, X., Pivneva, I., Whitford, V., Baum, S., Klein, D., & Titone, D. (2016). *Context of bilingualism shapes intrinsic functional connectivity.* Paper presented at the 2016 Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS). Ottawa, Ontario.

36. Vingron, N., Hamill, J., **Gullifer, J. W.**, Leimgruber, J., & Titone, D. (2016). *What the Eyes Tell Us About How Bilinguals Encode Real-World Linguistic Landscapes.* Poster presented at the 2016 Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS). Ottawa, Ontario.

37. **Gullifer, J. W.**, Berry, G. M., Navarro-Torres, C. A., Kroll, J., Dussias, P. E. (2016*). What about the syntax? Bilingual word recognition in sentence context.* Poster presented at the International Meeting of the Psychonomic Society. Granada, Spain.

38. **Gullifer, J.**, Kroll, J., Dussias, P., Navarro-Torres, C., Berry, G. (2015*). Using syntactic priming to identify cross-language constraints in bilingual language processing.* Poster presented at Multiple Perspectives on Bilingualism and the Brain. Montreal, Quebec.

39. **Gullifer, J.**, Kroll, J., Dussias, P., Navarro-Torres, C., Berry, G. (2015). *Using syntactic priming to identify cross-language constraints in bilingual language processing.* Poster presented at the 10th International Symposium on Bilingualism (ISB10). New Brunswick, New Jersey.

40. Khan, K., **Gullifer, J.**, Kroll, J. (2013). *The relation between executive function skills and verbal fluency in monolinguals: Can we simulate the bilingual advantage*?. Poster presented at the 54th Annual Meeting of the Psychonomic Society. Toronto, Canada.

41. Dussias, P., Poepsel, T., **Gullifer, J.** (2013). *Psycholinguistics in the Wild: Switching Costs in Spanish-Palenquero Word Switching.* Paper presented at the 2013 Münster Hispanistentag (Spanish in Contact with Other Languages). Münster, Germany.

42. **Gullifer, J.**, Dussias, P., Kroll, J. (2012). *Switching the Language of Sentence Context Produces No Apparent Costs to Lexical Access.* Poster presented at the 53rd Annual Meeting of the Psychonomic Society. Minneapolis, Minnesota.

43. **Gullifer, J. W.**, Dussias, P., Kroll, J. F. (2012). *When language switching has no apparent cost: Lexical access in mixed and blocked language context.* Paper presented at the 2012 Mental Lexicon Conference. Montreal, Canada.

44. **Gullifer, J. W.**, Dussias, P., Kroll, J. (2012). *Speaking words in sentences: When the language of production does not guide lexical access.* Poster presented at the 2012 International Workshop on Language Production. New York, New York.

45. **Gullifer, J.**, Kroll, J., Dussias, P. (2011). Can cross-language lexical activity be modulated by language-specific syntax? Paper presented at the 8th International Symposium on Bilingualism (ISB8). Oslo, Østlandet.

46. **Gullifer, J.**, Kroll, J., Dussias, P. (2010). *Does language-specific syntax modulate cross-language lexical processing?* Poster presented at the 51st Annual Meeting of the Psychonomic Society. St. Louis, Missouri.

47. Rossi, E., **Gullifer, J.**, Dussias, P. E., Kroll, J. F. (2010). *Second language learners are not native speakers but they process some aspects of the syntax as if they were: Evidence from behavioral and ERP data.* Paper presented at the Donostia Workshop on Neurobilingualism. Donostia - San Sebastian, Spain.

48. **Gullifer, J.**, Kroll, J., Dussias, P. (2010). *Can bilinguals exploit language-specific syntax to modulate cross-language lexical activity?* Poster presented at the 16th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP 2010). York, England.

49. **Gullifer, J. W.**, Kroll, J. F., & Dussias, P. E.. (2010). *Bilingual sentence processing: The role of syntactic constraints in modulating cross-language lexical activity.* Poster presented at the 23rd Annual CUNY Conference on Human Sentence Processing. New York, New York.
50. Valdés Kroff, J. R., Coffman, D., Dussias, P., Gerfen, C., **Gullifer, J.**, Guzzardo Tamargo, R. (2010). *Differential processing of grammatical gender in a sentential context: Eye-tracking evidence from Spanish monolinguals and Spanish-English bilinguals.* Poster presented at the 23rd Annual CUNY Conference on Human Sentence Processing. New York, New York.
51. Valdés Kroff, J. R., Coffman, D., Dussias, P.E., Gerfen, C., **Gullifer, J.**, & Guzzardo Tamargo, R. (2009). *Comprehension reflects production: Investigating eye-movements in Spanish-English code-switches.* Paper presented at the 15th annual Architectures and Mechanisms for Language Processing (AMLaP 2009). Barcelona, Spain.
52. Dussias, P. E., Gerfen, C., Valdés Kroff, J. R., **Gullifer, J.**, & Guzzardo Tamargo, R. E. (2009). *Asymmetrical use of gender information during the processing of unilingual and code-switched speech.* Paper presented at the 2009 European Society for Cognitive Psychologists. Krakow, Poland.
53. Valdés Kroff, J. R., Guzzardo Tamargo, R. E., Dussias, P. E., Gerfen, C., & **Gullifer, J.** (2009). *Comprehension reflects production: Gender processing of code-switched utterances by Spanish-English bilinguals.* Paper presented at the 2009 Hispanic Linguistics Symposium. Rio Piedras, Puerto Rico.
54. Valdés Kroff, J. R., Guzzardo Tamargo, R. E., Dussias, P. E., Gerfen, C., & **Gullifer, J.** (2009). *Processing costs in Spanish-English codeswitches: An eye-tracking study.* Paper presented at the 2009 Hispanic Linguistics Symposium. Rio Piedras, Puerto Rico.
55. Valdés Kroff, J. R., Guzzardo Tamargo, R. E., Dussias, P. E., Gerfen, C., & **Gullifer, J.** (2009). *Processing spoken code-switches by Spanish-English bilinguals: A visual world study.* Paper presented at the 7th International Symposium on Bilingualism (ISB7). Utrecht, The Netherlands.
56. Dussias, P.E., Botezatu, R., **Gullifer, J.**, Kroll, J., & Schwartz, A. (2009). *Do syntactic constraints in sentence context eliminate parallel activation of words in the bilingual's languages?* Paper presented at the 7th International Symposium on Bilingualism (ISB7). Utrecht, The Netherlands.
57. Valdés Kroff, J. R., Guzzardo Tamargo, R. E., Dussias, P. E., Gerfen, C., & **Gullifer, J.** (2008). *Processing grammatical gender in Spanish-English code-switches: A visual world study.* Paper presented at 2008 Second Language Research Forum (SLRF) Conference. Honolulu, Hawaii.
58. Valdés Kroff, J. R., Guzzardo Tamargo, R. E., Dussias, P. E., Gerfen, C., & **Gullifer, J.** (2008). *The use of grammatical gender in the processing of spoken code-switches by adult Spanish-English bilinguals.* Poster presented at the International Conference on Models of Interaction in Bilinguals. Bangor, Wales, UK.
59. **Gullifer, J.** (2008). P*rocessing Reverse Sluicing: A Contrast with Processing Filler-Gap Dependencies.* Poster presented at the 21st CUNY Conference on Human Sentence Processing. Chapel Hill, North Carolina.
60. Valdés Kroff, J. R., Guzzardo Tamargo, R. E., Dussias, P. E., Gerfen, C., & **Gullifer, J.** (2008). *Grammatical gender in processing of Spanish-English code-switches: A visual world study.* Poster presented at the 21st CUNY Conference on Human Sentence Processing. Chapel Hill, North Carolina.

Courses (* indicates course design and instruction)

*Psychology of Bilingualism (PSYC 341), McGill University	Winter 2020
*Data Processing and Analysis for Language Scientists Using R (SPAN 497A), Penn State University	Maymester 2013
*Introduction to Linguistics (LING 100), Penn State University	Fall 2012
MATLAB for Behavioral Scientists (PSYCH 525; Teaching Assistant), Penn State University	Spring 2012
Psychology as a Science and Profession (PSYCH 105; Teaching Assistant), Penn State University	Spring 2012

Workshops & Tutorials

Capitalizing on our communicative & neurocognitive diversity	05/2018

CCP Spring Training in Experimental Psycholinguistics, University of Alberta
Co-lecturer with Debra Titone

Introduction to R	03/2018

Department of Psychology, McGill University

Introduction to LMER models	11/2017

Centre for Research on Brain, Language and Music, McGill University

Tools for Open Science	10/2017

Department of Psychology, McGill University

R Programming for Beginners 10/2016
     Department of Psychology, Centre for Research on Brain, Language and Music, McGill University
The R statistical package 09/2008
     Center for Language Science, Penn State University
Using SR-Research Experiment Builder software 02/2008
     Center for Language Science, Penn State University

Guest Lectures

Bilingualism and Resting State Functional Connectivity, Brain and Language (LIN 4790), University of Florida Fall 2020
Introduction to Bilingualism, Cognition (PSYC 213), McGill University Winters 2016-2021
Bilingualism and the Brain, Psychology of Bilingualism (PSYC 341), McGill University Winter 2018
Introduction to R for data processing, Psychology Theory, McGill University Winter 2016
Putting the Psycho in Linguistics, Introduction to Linguistics (LING 100), Penn State University Fall 2012

Student Advising

Avleen Mokha, Undergraduate Research Assistant, McGill University 2019-2020
Shelby Trapid, Undergraduate Research Assistant, McGill University 2018-2019
Ian Bernstein, Undergraduate Research Assistant, McGill University 2017
Kylene Aguila, Undergraduate Research Assistant, McGill University 2016-2017
Mizuki Moriyasu, Undergraduate Research Assistant, Penn State University 2013-2014
Jeremy Slocum, Undergraduate Research Assistant, Penn State University 2013-2014
Alexandra Geiger, Undergraduate Research Assistant, Penn State University 2012-2013
Anne McPherson, Undergraduate Research Assistant, Penn State University 2011-2014
Anna Washabaugh, Undergraduate Research Assistant, Penn State University 2011-2012

Academic Service

Journal Reviewing (https://publons.com/researcher/1563367/jason-gullifer/peer-review/)
Applied Psycholinguistics
Bilingualism: Language and Cognition
Brain Structure and Function
Canadian Journal of Experimental Psychology
International Journal of Bilingualism
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Memory and Language
Linguistic Approaches to Bilingualism
Memory & Cognition
Neurobiology of Language
SAGE Open
Translation Spaces | A multidisciplinary, multimedia, and multilingual journal of translation

Conference Reviewing

Annual CUNY Conference on Human Sentence Processing
International Workshop on Bilingualism and Cognitive Control
International Symposium on Bilingualism 13

Institutional Service
Young Scholar Speaker Series Organizing Committee, *Penn State University*
Graduate Student R-ticle Group Co-founder*, Penn State University*

Press Releases and Media Coverage
Want to be smart? Learn a foreign language
        http://brainblogger.com/2015/08/05/want-to-be-smart-learn-a-foreign-language/
Why bilingualism strengthens your mental muscle
        http://www.futurity.org/bilingualism-builds-mental-muscle/
Time to Learn Another Language? Being Bilingual Makes You Smarter
        http://thedailyneuron.com/are-you-bilingual-means-you-are-automatically-smarter/
Bilingual Speakers Develop Mental Flexibility
        http://psychcentral.com/news/2013/09/11/bilingual-speakers-develop-mental-flexibility/59404.html
Benefits of Bilingualism
        https://imsc.achievesms.com/headofeducation/2013/09/20/9-20-13-benefits-of-bilingualism/
Think twice, speak once: Bilinguals process both languages
        http://www.nsf.gov/news/news_summ.jsp?cntn_id=129060&org=NSF&from=news
        http://www.sciencedaily.com/releases/2013/09/130910121521.htm
        http://news.psu.edu/story/286926/2013/09/10/research/think-twice-speak-once-bilinguals-process-both-languages
Bilinguals have the remarkable ability to switch from one language to the other
        http://www.frontiersin.org/Press.aspx?cat=publicrelations&stage=pressreleases#
When language switching has no apparent cost: Lexical access in sentence context
        http://www.sciencecodex.com/frontiers_news_briefs_may_30-113146
        http://www.eurekalert.org/pub_releases/2013-05/f-fnb052913.php

Professional Memberships
Canadian Society for Brain, Behaviour and Cognitive Science
International Network for Social Network Analysis
Psychonomic Society
Society for the Neurobiology of Language
SPARK Society
Women in Cognitive Science – Canada

Skills and Miscellanea
Human Languages
English (Native), German (Working), Spanish (Basic), French (Basic)

Programming Languages
R (Advanced), Python (Intermediate), Julia (Intermediate), MATLAB (Intermediate)

Authoring Packages
(R)Markdown, Jupyter, LaTeX, HTML, CSS, Jekyll

Software Packages
tidyverse, lme4, devtools, testthat, glmnet, mlr, caret, xgboost, pandas, git, docker

Operating Systems
Linux, Mac OS X, Windows