

Jason W. Gullifer

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Education

Ph.D. Penn State University (06/2015)

Dual-title, Psychology and Language Science

Dissertation: *Using syntactic priming to identify cross-language constraints in bilingual language processing*

Advisors: Judith Kroll & Paola Dussias

M.S., Penn State University (08/2011)

Psychology

Thesis: *The effect of syntactic constraints on parallel activation of words in the bilingual's languages*

Advisors: Judith Kroll & Paola Dussias

B.A., cum laude, University of Massachusetts, Amherst (05/2007)

Linguistics and Psychology; Minor in German

Thesis: *Processing Reverse Sluicing*

Advisors: Charles Clifton & Lyn Frazier

Funding and Awards

National Institutes of Health Ruth L. Kirschstein National Research Service Award (NRSA), FHD082983A (Co-PIs, Debra Titone, Denise Klein): *Determining the Neurocognitive Consequences of a Natural Switch in Language Immersion Context: Evidence from the Uniquely Bilingual City of Montreal*, 2015-2018 (scored 9th percentile).

International Symposium on Bilingualism 10 (New Brunswick, New Jersey) Poster Prize (2nd place), *Bilingualism: Language, and Cognition*: Cambridge University Press, 2015.

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

Penn State University Liberal Arts College Dissertation Support Grant (RGSO): *Using syntactic priming to identify cross-language constraints in bilingual language processing*, 2013.

Penn State University Center for Language Science PIRE Fellowship: *The effect of immersion on cross-language activation during visual word recognition*, 2011.

National Science Foundation Graduate Research Fellowship Program (GRFP): *The effect of syntactic constraints on parallel activation of words in the bilingual's languages*, 2011 (Honorable Mention).

Publications

Gullifer, J. W., Kroll, J. F., Dussias, P. E., Berry, G. M., Navarro-Torres, C. (in preparation). Using syntactic priming to identify cross-language constraints in bilingual language processing.

Kroll, J.F., Gullifer, J., & Zirnstein, M. (in press). Chapter 12: Literacy in adulthood: Reading in two languages. To appear in Montanari, S., Nicoladis, E. (Eds.), *Lifespan Perspectives on Bilingualism*. Washington, DC: American Psychological Association.

Dussias, P., Poepsel, T., Gullifer, J. (in press). Psycholinguistics in the wild: Switching costs in Spanish-Palenquero word switching. To appear in Schwegler, A., McWhorter, J., Ströbel, L. (eds.), *The Iberian challenge: Creole languages beyond the plantation setting*. Madrid/Frankfurt: Iberoamericana/Vervuert Verlag.

Kroll, J. F., Gullifer, J. W., McClain, R., Rossi, E., Martín, M.C. (in press). Selection and control in bilingual comprehension and production. To appear in J. Schwieter, (Ed.), *Cambridge Handbook of Bilingualism*. New York: Cambridge University Press.

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 (UK): Cambridge University Press. doi:10.1017/S0267190513000111

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

Conference Posters & Presentations

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.

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.

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.

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.

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.

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.

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.

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, Norway.

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.

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,

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.

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.

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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Gullifer, J. (2008). *Processing Reverse Sluicing: A Contrast with Processing Filler-Gap Dependencies*. Poster presented at the 21st CUNY Conference on Human Sentence Processing. Chapel Hill, North Carolina.
- 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.

Research Experience

Graduate Research Assistant (08/2009 – 08/2015)

Center for Language Science – Psychology Department, Penn State University

Supervisors: Judith Kroll & Paola Dussias

Mentor and supervise undergraduate students in lab; conduct experiments; extract and analyze data.

Research Technologist (08/2007 – 08/2009)

Center for Language Science – Psychology Department, Penn State University

Supervisors: Judith Kroll & Paola Dussias

Program psycholinguistics experiments (including eye-tracking, behavioral); test participants; set-up new lab spaces (including rooms with ERP and behavioral setups); webmaster: create and maintain web-site for the CLS.

Research Assistant (08/2006 – 05/2007)

Psychology Department, University of Massachusetts, Amherst

Supervisors: Charles Clifton & Lyn Frazier

Conceptualize, design, program, and debug psycholinguistics experiments; test participants; extract and analyze data; write in-depth analysis of results.

- Thesis investigates processing differences between instances of reverse sluicing and filler-gap relations.

Teaching Experience

Lecturer: Data Processing and Analysis for Language (05/2013)

Scientists using the R Statistical Package

Spanish, Italian, and Portuguese, Penn State University

Lecturer: Introduction to Linguistics (09/2012 – 12/2012)

Program in Linguistics, Penn State University

Guest Lecturer: Introduction to Linguistics (11/2012)

Program in Linguistics, Penn State University

“Putting the psycho in linguistics”

Teaching Assistant: MATLAB for Behavioral Scientists (01/2012 – 05/2012)

Psychology Department, Penn State University
Professor: David Rosenbaum

Teaching Assistant: Psychology as a Science and Profession (01/2012 – 05/2012)

Psychology Department, Penn State University
Professor: Andrew Peck

Tutorial: The R statistical package (9/2008)

Center for Language Science, Penn State University

Tutorial: Using SR-Research Experiment Builder software (2/2008)

Center for Language Science, Penn State

Academic Service

Graduate Student R-ticle Group – Co-founder (Fall 2009 – Summer 2015)

Center for Language Science, Penn State University

A student organization dedicated to scholarly and professional growth of graduate students interested in language science. The group holds weekly meetings designed to review new and classic research in the field; to discuss statistical methods and practices; and to learn new software and programming packages such as the R language.

Young Scholar Speaker Series – Organizer (Fall 2011)

Center for Language Science, Penn State University

An event led by graduate students. Organizing the event involves inviting a speaker, soliciting funding from affiliated departments, organizing travel, planning a graduate poster series, and organizing the invited colloquia.

Ad hoc reviewer

Journal of Experimental Psychology: Human Perception & Performance
International Workshop on Bilingualism and Cognitive Control (2013)

Press Releases and Media Coverage

Zut alors! Being bilingual DOESN'T make you smarter: Cognitive benefits of speaking two languages are a 'myth', claim scientists – August 2014

<http://www.dailymail.co.uk/sciencetech/article-2736928/Zut-alors-Being-bilingual-DOESNT-make-smarter-Cognitive-benefits-speaking-two-languages-are-myth-claim-scientists.html>

Why bilingualism strengthens your mental muscle – September 2013

<http://www.futurity.org/bilingualism-builds-mental-muscle/>

Time to Learn Another Language? Being Bilingual Makes You Smarter – September 2013

<http://thedailyneuron.com/are-you-bilingual-means-you-are-automatically-smarter/>

Bilingual Speakers Develop Mental Flexibility – September 2013

<http://psychcentral.com/news/2013/09/11/bilingual-speakers-develop-mental-flexibility/59404.html>

Benefits of Bilingualism – September 2013

<https://imsc.achievesms.com/headofeducation/2013/09/20/9-20-13-benefits-of-bilingualism/>

Think twice, speak once: Bilinguals process both languages – September 2013

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 – June 2013

<http://www.frontiersin.org/Press.aspx?cat=publicrelations&stage=pressreleases#>

When language switching has no apparent cost: Lexical access in sentence context – May 2013

http://www.sciencecodex.com/frontiers_news_briefs_may_30-113146

http://www.eurekalert.org/pub_releases/2013-05/f-fnb052913.php