

Curriculum Vitae

James Bartolotti, Ph.D. - May, 2016

CONTACT INFORMATION	Communication Sciences and Disorders Northwestern University 3-373 Frances Searle Building 2240 Campus Drive Evanston, IL 60208	Phone: 603-568-6936 Fax: 847-491-4975 E-mail: j-bartolotti@u.northwestern.edu Web: http://bilingualism.northwestern.edu
RESEARCH INTERESTS	<ul style="list-style-type: none">• Second and third language acquisition in monolinguals and bilinguals• Interaction between languages in novel language learners• Neural correlates of language learning and processing	
EDUCATION	Northwestern University , Evanston, IL Ph.D., Communication Sciences and Disorders, 2015 <ul style="list-style-type: none">• Dissertation (October 2015): <i>Previous language experience shapes novel word learning</i>• Advising Committee: Dr. Viorica Marian <i>chair</i>, Dr. Nina Kraus, Dr. Kara Morgan-Short (University of Illinois at Chicago)• Cognitive Science Specialization M.A., Communication Sciences and Disorders, Non-Clinical <ul style="list-style-type: none">• Qualifying Research Project (June 2011): <i>Language learning and control in monolinguals and bilinguals</i>• Advising Committee: Dr. Viorica Marian <i>chair</i>, Dr. Nina Kraus, Dr. James Booth (University of Texas at Austin) Colgate University , Hamilton, NY B.A., Neuroscience, 2008 <ul style="list-style-type: none">• <i>Magna cum Laude</i>, with Honors in Neuroscience• Thesis Topic: <i>Early bilingual experience affects neural signatures of depth of processing after brief training on novel Japanese words</i>• Advisor: Dr. Spencer Kelly B.A., French, 2008	
AWARDS	National Institutes of Health <ul style="list-style-type: none">• Predoctoral Affiliate Trainee (September 2014 - February 2015): Training Program in the Neuroscience of Human Cognition, NIH grant T32 NS047987 (\$11,850)• Predoctoral Trainee (September 2013 - August 2014): Training Program in the Neuroscience of Human Cognition, NIH grant T32 NS047987 (\$23,032) Northwestern University <ul style="list-style-type: none">• Rearwin Fellowship, 2011 (One year full tuition and stipend)• Cognitive Science University Fellowship, 2008 (One year full tuition and stipend) Colgate University <ul style="list-style-type: none">• Phi Eta Sigma honor society, 2005	

Bartolotti, J. & Marian, V. (2016). Third language vocabulary learning benefits from bilinguals' existing languages. *Language Learning*.

Bartolotti, J. & Marian, V. (2016). Influence of prior language knowledge and lexical form on novel vocabulary learning. *Applied Psycholinguistics*

Bartolotti, J. Bradley, K. A. L., Hernandez, A. E. & Marian, V. (2016). Neural signatures of second language learning and control. *Neuropsychologia*. doi:10.1016/j.neuropsychologia.2016.05.005

Schroeder, S. R., Marian, V., Shook, A., & **Bartolotti, J.** (2016). Bilingualism and musicianship enhance cognitive control. *Neural Plasticity*. Article ID 4058620, 11 pages. doi:10.1155/2016/4058620

Marian, V., Chabal, S., **Bartolotti, J.**, Bradley, K. A. L., & Hernandez, A. E. (2014). Differential recruitment of executive control regions during phonological competition in monolinguals and bilinguals. *Brain and Language*, 139, 108-117. doi:10.1016/j.bandl.2014.10.005

Wang, J. X., **Bartolotti, J.**, Amaral, L. A. N., & Booth, J. R. (2013). Changes in task-related functional connectivity across multiple spatial scales are related to reading performance. *PLoS One*, 8(3), e59204. doi:10.1371/journal.pone.0059204

Shook, A., Marian, V., **Bartolotti, J.**, & Schroeder, S. R. (2013). Musical experience influences statistical learning of a novel language. *The American Journal of Psychology*, 126(1), 95-104. doi:10.5406/amerjpsyc.126.1.0095

Bartolotti, J., & Marian, V. (2012). Language learning and control in monolinguals and bilinguals. *Cognitive Science*, 36, 1129-1147. doi:10.1111/j.1551-6709.2012.01243.x

Marian, V., **Bartolotti, J.**, Chabal, S., & Shook, A. (2012). CLEARPOND: Cross-Linguistic Easy-Access Resource for Phonological and Orthographic Neighborhood Density. *PLoS One*, 7(8), e43230. doi:10.1371/journal.pone.0043230

Bartolotti, J., Marian, V., Schroeder, S. R., & Shook, A. (2011). Bilingualism and inhibitory control influence statistical learning of novel word forms. *Frontiers in Cognition*, 2, 324, 1-9. doi:10.3389/fpsyg.2011.00324

Kelly, S.D., Creigh, P., & **Bartolotti, J.** (2010). Integrating speech and iconic gestures in a Stroop-like task: Evidence for automatic processing. *Journal of Cognitive Neuroscience*, 22, 683-694. doi:10.1162/jocn.2009.21254

Kelly, S.D., Ward, S., Creigh, P., & **Bartolotti, J.** (2007). An intentional stance modulates the integration of gesture and speech during comprehension. *Brain and Language*, 101, 222-233. doi:10.1016/j.bandl.2006.07.008

Bartolotti, J., Daniel, N. L., & Marian, V. (revision in preparation). Cross-linguistic competition driven by covert orthographic overlap.

Bartolotti, J. & Marian, V. (in preparation). Covert cognate and non-cognate orthographic competition in third language learners.

Bartolotti, J., Bradley, K. A. L., Hernandez A. E., & Marian, V.,(in preparation). Bilingual cortical control of within- and between-language competition.

Bartolotti, J. & Marian, V. (2016). Cross-linguistic similarities aid third language learning in bilinguals. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Bartolotti, J. & Marian, V. (2014). Wordlikeness and novel word learning. *Proceedings of the 36th Annual Conference of the Cognitive Science Society*, 146-151. Austin, TX: Cognitive Science Society.

PROFESSIONAL
PRESENTATIONS

- Bartolotti, J.**, Daniel, N. L., & Marian, V. (2013). Spoken words activate cross-linguistic orthographic competitors in the absence of phonological overlap. *Proceedings of the 35th Annual Conference of the Cognitive Science Society*, pp. 1828-1832. Austin, TX: Cognitive Science Society.
- Bartolotti, J.** & Marian, V. (2012). Bilingual memory: Structure, access, and processing. In J. Altarriba & L. Isurin (Eds.), *Memory, Language, and Bilingualism: Theoretical and Applied Approaches* (pp. 7-47). Cambridge, English: Cambridge University Press.
- Bartolotti, J.**, Marian, V., Schroeder, S. R., and Shook, A. (2011). Statistical learning of a Morse code language is improved by bilingualism and inhibitory control. In L. Carlson, C. Hoelscher, & T.F. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*, pp. 885-890. Austin, TX: Cognitive Science Society.
- Bartolotti, J.** & Marian, V. (2015, May). Third language vocabulary learning benefits from each of a bilinguals' languages. Talk presented at the 10th International Symposium on Bilingualism. New Brunswick, NJ.
- Bartolotti, J.** & Marian, V. (2014, October). Orthographic wordlikeness and second language vocabulary learning. Abstracts of the UIC Bilingualism Forum. Chicago, IL.
- Marian, V., Shook, A., **Bartolotti, J.**, & Chabal, S. (2014, September). An introduction to on-line databases using the Cross-Linguistic Easy-Access Resource for Phonological and Orthographic Neighborhood Densities (CLEARPOND). Talk presented at the 9th Workshop on Written Language and Literacy. Brighton, United Kingdom.
- Bartolotti, J.**, Chabal, S., Bradley, K. A. L., Hernandez, A. E., & Marian, V. (2013, June). Cortical control of phonological competition in monolinguals and bilinguals. Abstracts of the 9th International Symposium on Bilingualism. Singapore.
- Shook, A., **Bartolotti, J.**, Chabal, S., & Marian, V. (2013, June). CLEARPOND: Cross-Linguistic Easy-Access Resource for Phonological and Orthographic Neighborhoods. Abstracts of the International Symposium on Bilingualism. Singapore.
- Bradley, K. A. L., **Bartolotti, J.**, Chabal, S., Hernandez, A. E., & Marian, V. (2013, April). Cortical control of native Language phonological competition in monolinguals and bilinguals. Abstracts of the Cognitive Neuroscience Society. San Francisco, CA.
- Bartolotti, J.**, Chabal, S., Shook, A., & Marian, V. (2012, October). CLEARPOND: Cross-Linguistic Easy-Access Resource for Phonological and Orthographic Neighborhoods. Abstracts of the UIC Bilingualism Forum. Chicago, IL.
- Bartolotti, J.**, Marian, V., Schroeder, S. R., & Shook, A. (2011, November). Statistical learning of a Morse code language is improved by bilingualism and inhibitory control. Abstracts of the Psychonomic Society. Seattle, WA.
- Schroeder, S. R., Marian, V., Shook, A., **Bartolotti, J.**, & Chabal, S. (2011, November). Bilingual experience and inhibitory control influence novel word learning. Abstracts of the American Speech-Language-Hearing Association. San Diego, CA.
- Shook, A., Marian, V., **Bartolotti, J.**, Schroeder, S. R., & Chabal, S. (2011, July). The impact of musical experience on statistical language learning [Abstract]. In L. Carlson, C. Hoelscher, & T. F. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*, p. 3354. Austin, TX.

- Bartolotti, J.**, Marian, V., Schroeder, S., & Shook, A. (2011, July). Statistical learning of a Morse code language is improved by bilingualism and inhibitory control. Abstracts of the Cognitive Science Society. Boston, MA.
- Bartolotti, J.**, & Marian, V. (2011, June). Bilingualism reduces cross-linguistic interference in novel language learners. Abstracts of the 8th International Symposium on Bilingualism. Oslo, Norway.
- Bartolotti, J.**, & Marian, V. (2011, May). Learning a new language: Bilingualism attenuates native-language interference. Abstracts of the Midwestern Psychological Association. Chicago, IL.
- Shook, A., **Bartolotti, J.**, Schroeder, S., & Marian, V. (2011, April). Bilingual experience and inhibitory control benefit language learning. Abstracts of the Bilingualism Forum, University of Illinois at Chicago. Chicago, IL.
- Bartolotti, J.**, & Marian, V. (2011, April). Bilingualism reduces cross-linguistic interference in novel language learners. Abstracts of the Bilingualism Forum, University of Illinois at Chicago. Chicago, IL.
- Marian, V., Kaushanskaya, M., **Bartolotti, J.**, & Blumenfeld, H. K. (November 2009). Bilinguals reveal the role of control in language processing. Abstracts of the Psychonomic Society. Boston, MA.
- Bartolotti, J.**, Tucker, L. G., Molfese, D. L., & Molfese, V. J. (April, 2008). Predicting childrens' receptive language scores at two years of age based on AER responses to speech sounds recorded at birth and parental education level. 20th Biennial Conference on Human Development. Indianapolis, IN.
- Tucker, L. G., **Bartolotti, J.**, Molfese, D. L., & Molfese, V. J. (October, 2007). AER responses to speech sounds at birth and parental education level linked to receptive language scores at two years of age. Research! Louisville. Louisville, KY.
- Kelly, S. D., **Bartolotti, J.**, & Creigh, P. (June, 2007). The integration of gesture and speech may be a default but not exclusively automatic process. International Society for Gesture Studies conference. Chicago, IL.

INVITED TALKS

- 2016, April. Invited Speaker. "Previous Language Experience Shapes Novel Language Learning." L3 acquisition group speaker series, Department of Spanish and Portuguese, Georgetown University.
- 2012, September. Invited Speaker. "Colbertian and Artificial Languages." First Day Assembly. University of Chicago Laboratory Schools.

MEDIA COVERAGE

- Huffington Post. Bilingual people may have more efficient brains. November 13, 2014. http://www.huffingtonpost.com/2014/11/13/bilingual-brain-efficient_n_6153024.html
- Fox News. People who speak two languages have more efficient brains, study says. November 13, 2014. <http://www.foxnews.com/health/2014/11/13/people-who-speak-two-language-have-more-brain-power-study-says/>
- Bilingual benefits: How learning another language keeps your mind sharp, no matter your age. November 12, 2014. <http://www.medicaldaily.com/bilingual-benefits-how-learning-another-language-keeps-your-mind-sharp-no-matter-your-310308>
- Los Angeles Times. Science Section. Bilingualism: Stephen Colbert's 'truthiness' inspires a language. July 13, 2012. <http://articles.latimes.com/2012/jul/13/science/la-sci-sn-stephen-colbert-language-bilingual-20120713>
- NBC (Bay Area, Chicago, Connecticut, Dallas-Fort Worth, Miami, New York, Philadelphia, San Diego, Southern California, Washington). Colbert helps open doors to bilingual research. July 11, 2012.

<http://www.nbcchicago.com/entertainment/celebrity/Researchers-Name-Invented-Language-After-Stephen-Colbert-162041165.html>

- Northwestern University News Center. Colbert helps open doors to bilingual research. July 9, 2012.
<http://www.northwestern.edu/newscenter/stories/2012/07/bilinguals-colbertian-language.html>
- Colbert News Hub. Researchers at Northwestern University Invent Colbertian. July 12, 2012.
<http://www.colbertnewshub.com/2012/07/12/researchers-northwestern-university-invent-colbertian-aid-language-study/>

AD HOC REFEREE
SERVICE

- *Bilingualism: Language and Cognition*
- *Neuropsychologia*
- *Language Learning*
- *International Journal of Bilingual Education and Bilingualism*
- Annual Conference of the Cognitive Science Society
- UIC Bilingualism Forum

TEACHING
EXPERIENCE

Northwestern University

- Guest Lecturer, *Seminar in Communication Sciences and Disorders: Bilingualism*, CSD 207 (2016)
Professor: Dr. Viorica Marian.
Guest Lectures: Language Learning; Language Structure
- Directed Teaching, *Neurobiology of Communication*, CSD 202 (2014)
Professor: Dr. Chuck Larson.
Lectures: Peripheral Auditory System; The Cochlea; Central Auditory System
- Teaching Assistant, *Functional Neuroanatomy*, CSD 406 (2009, 2010, 2011)
Professors: Dr. Patrick Wong (2009), Dr. Belma Hadziselimovic (2010, 2011)
Guest Lectures: Cerebral Cortex I (2009), Vision (2010, 2011)
- Teaching Assistant, *Language Disorders in Preschool Children*, CSD 492 (2010)
Professor: Dr. Dongsun Yim
- Teaching Assistant, *Introduction to Learning Disabilities*, CSD 373 (2012)
Professor: Dr. Steve Zecker

Colgate University

- Teaching Assistant, *Introduction to Brain and Behavior*, NEUR 170 (2008)
Professors: Dr. Spencer Kelly, Dr. Jun Yoshino

ADVISING AND
MENTORSHIP

- Siu (Silvia) Lam, 2015 (PhD student, Northwestern University). Supervised lab rotation, *Rapid automatized naming and prior language experience*. Completed participant testing, data analysis, and writing.
- Jeci Wise, 2014 (PhD student, University of Texas, Austin). Supervised lab rotation, *Neural correlates of cross-linguistic phonological processing in highly proficient bilinguals*. Completed processing, analysis, and writeup of existing data.
- K Michael Brooks, 2013 (PhD student, Northwestern University). Supervised lab rotation, *Rapid automatized naming and bigram frequency*. Developed, programmed, and piloted a new experiment.
- Sana Ali, 2012-2013 (Speech Pathologist). Research assistant. Tested participants, processed data, discussed results.
- Natalia Daniel 2011-2014 (Skilled Nursing Facility, Chicago IL). Supervised MA thesis project, *Spoken words activate cross-linguistic orthographic competitors in the absence of phonological overlap*. Designed experiment, tested participants, processed data, aided in manuscript preparation.
- Leah Perloff, 2011-2012 (Northwestern University). Research assistant. New analysis and processing of existing data.

ADDITIONAL
SKILLS

- Han-Gyol Yi, 2009-2010 (PhD student, University of Texas, Austin). Aided in stimuli development, participant testing, and data processing.
- Programming Languages: MATLAB, R, Python, CSS/HTML
- Applications: L^AT_EX, SPSS, Psychtoolbox, EyeLink eye-tracking software, WebExp, MouseTracker
- Languages: English (Native speaker), French (Proficient)