

Brief CV
Judith F. Kroll
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Current Position and Address

Distinguished Professor of Psychology, Linguistics, and Women's Studies
Director, Center for Language Science (<http://cls.psu.edu>)
Department of Psychology, Pennsylvania State University, University Park, PA 16802
Phone: 814-863-0126/814-863-5813, Fax: 814-863-7002; E-mail: jfk7@psu.edu

Education

Ph.D. (1977), M.A. (1972), Brandeis University (Psychology)
A.B. (1970), New York University, University Heights (Psychology; Mathematics)

Professional Positions

Research Fellow, Stanford University, 1974-1975; Research Associate, MIT, 1976-1985
Assistant Professor, Swarthmore College, 1977-1978; Rutgers University, 1978-1981; Mount Holyoke College, 1981-1985; Associate Professor, Mount Holyoke College, 1985-1991; Professor, Mount Holyoke College, 1991-1994; Adjunct Professor, U.Mass-Amherst, 1991-1994
Fellow in Residence, Netherlands Institute for Advanced Study, 1989-1990
Visiting Professor, Summer Institute of the LSA, University of New Mexico, Summer 1995
Professor, Department of Psychology, Pennsylvania State University, 1994-2004; Program in Linguistics and Applied Language Studies, 2000-2004; Liberal Arts Research Professor of Psychology and Linguistics, 2004-2007; Distinguished Professor of Psychology, Linguistics, and Women's Studies, 2007-present
Visiting Professor, University of Nijmegen, The Netherlands, 1999-2000; Leiden University, Leiden, The Netherlands, 2000
Co-Director, Center for Language Science, Pennsylvania State University 2006-2009; Director, 2009-present
Visiting Professor, The Empirical Foundations of Linguistics International Chair of Quantitative and Experimental Linguistics, awarded for June 2012, Paris, France <http://www.labex-efl.org/>

Recent Professional Experience

Fellow, Association for Psychological Science, 1988-present
Advisory Council Member, International Association for the Study of Attention and Performance, 1998-2003
Member, National Science Foundation Graduate Fellowship Panel, 1998
Howard Palmer Faculty Mentoring Award, Pennsylvania State University, 1999
Fellow, Division 3, Experimental Psychology, American Psychological Association, 2001-present
Co-organizer, *Women in Cognitive Science*, 2001-2007; Consultant, 2007-present (<http://womenincogsci.org/>)
Elected Member-at-large, Division 3 Executive Committee, Experimental Psychology, American Psychological Association, 2002-2005
Member, Study Section, Behavioral and Biobehavioral Processes 3, Language and Communication, Center for Scientific Review, National Institutes of Health, 2003-2005; Chair, 2005-2007
Member, multiple review panels, National Institutes of Health, National Science Foundation, 2002-2010
Coordinating Editor, *Bilingualism: Language and Cognition*, 2001-2002; Co-editor, 1997-2001
Consulting Editor, *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 1986-1993; 1995-2011; *Journal of Memory and Language*, 1997-2011; *Behavior Research Methods, Instruments, & Computers*, 2002-2004; *Psychological Science*, 2007-2011; *International Journal of Bilingualism*, 2007-present; *European Journal of Cognitive Psychology*, 2010-present; *Studies in Bilingualism, Book Series, John Benjamins Publisher*, 2009-present; *European Journal of Cognitive Psychology*, 2010-present; *Linguistic Approaches to Bilingualism*, 2011-present; *Bilingualism: Language and Cognition*, 2012-present
Elected Member, Governing Board of the Psychonomic Society, 2006-2011
Distinction in the Social Sciences, College of the Liberal Arts, Pennsylvania State University, 2006
W. LaMarr Kopp International Achievement Award, Pennsylvania State University, 2009
Elected member, Society of Experimental Psychologists, 2009
Elected Fellow, American Association for the Advancement of Science, 2012

Recent Extramural Grants

- National Science Foundation: Collaborative Research: *Advance Leadership Award: Women in Cognitive Science* (Co-PIs, Martin, Rajaram), BCS-0317678, 2003-2008 (\$299,480)
- National Science Foundation Grant, BCS-0418071: *Reading and speaking words in two languages: A psycholinguistic approach to bilingualism*, 2004-2008 (\$240,00)
- State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University, General Open Grant Project (Co-PIs, Misra, Guo), *Cross-language competition in bilingual language production: Comparative studies with Chinese-English and Spanish-English bilinguals*, 2006-2008
- National Science Foundation Grant, BCS-0750347: Supplement to *Reading and speaking words in two languages: A psycholinguistic approach to bilingualism* to investigate issues of bilingualism and deaf literacy in conjunction with the NSF Science of Learning Center at Gallaudet University (Co-PIs, Dussias, Gerfen, Piñar), 2007-2008 (\$42,824)
- National Institutes of Health NRSA Fellowship: F33HD055003: *Senior NRSA training in cognitive neuroscience*, 2007-2008
- National Institutes of Health Grant, R56-HD053146: *Cognitive processes in bilinguals* (Co-PIs, Gerfen, Guo, Misra), 2007-2008 (\$448,175)
- National Institutes of Health Grant, R01-HD053146: *Cognitive processes in bilinguals* (Co-PIs, Gerfen, Guo, Misra), 2008-2013 (\$1,791,381)
- National Science Foundation Grant, BCS-0955090: *Language Processing in bilinguals* (Co-PIs Dussias, Van Hell, Schwartz, 2010-2013 (\$249,694).
- National Science Foundation Grant, OISE-0968369: *PIRE (Partnerships in International Research and Education): Bilingualism, mind, and brain: An interdisciplinary program in cognitive psychology, linguistics, and cognitive neuroscience* (Co-PIs Dussias, Li, Van Hell), 2010-2015, (\$2,800,000). (<http://cls.psu.edu/PIRE>)

Books

- Kroll, J. F., & De Groot, A. M. B., Eds. (2005). *Handbook of bilingualism: Psycholinguistic approaches*. New York: Oxford University Press.
- De Groot, A. M. B., & Kroll, J. F., Eds. (1997). *Tutorials in bilingualism: Psycholinguistic perspectives*. Mahwah, NJ: Lawrence Erlbaum.

Recent Journal Articles and Book Chapters

- Prior, A., Kroll, J. F., & MacWhinney, A. (accepted). Translation ambiguity but not word class predicts translation performance. *Bilingualism: Language and Cognition*.
- Misra, M., Guo, T., Bobb, S. C., & Kroll, J. F. (in press). When bilinguals choose a single word to speak: Electrophysiological evidence for inhibition of the native language. *Journal of Memory and Language*.
- Kroll, J. F., & Gollan, T. H. (in press). Speech planning in two languages: What bilinguals tell us about language production. In V. Ferreira, M. Goldrick, & M. Miozzo (Eds.). *The Oxford handbook of language production*. Oxford: Oxford University Press.
- Hoshino, N., Kroll, J. F., & Dussias, P. E. (in press). Psycholinguistic perspectives on second language speech production. In M. Sanz & J. M. Igoa (Eds.), *Applying language science to language pedagogy Contributions of linguistics and psycholinguistics to second language teaching*. Newcastle: UK: Cambridge Scholars Publishing.
- Guo, T., Misra, M., Tam, J. W., & Kroll, J. F. (in press). On the time course of accessing meaning in a second language: An electrophysiological investigation of translation recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Kroll, J. F., & Dussias, P.E. (in press). The comprehension of words and sentences in two languages. In T. Bhatia & W. Ritchie (Eds.). *The Handbook of Bilingualism and Multilingualism, 2nd Edition*. Malden, MA: Wiley-Blackwell Publishers.
- Kroll, J. F., & Rossi, E. (in press). Bilingualism and Multilingualism: Quantitative Methods. In C.A. Chapelle, *The Encyclopedia of Applied Linguistics*. Cambridge, MA: Wiley-Blackwell.
- Kroll, J. F., & Bogulski, C. A. (in press). Cognitive second language acquisition: Organization of the second language lexicon. In C.A. Chapelle, *The Encyclopedia of Applied Linguistics*. Cambridge, MA: Wiley-Blackwell.

- Van Hell, J. G., & Kroll, J. F. (in press). Using electrophysiological measures to track the mapping of words to concepts in the bilingual brain: A focus on translation. In J. Altarriba & L. Isurin (Eds.), *Memory, Language, and Bilingualism: Theoretical and Applied Approaches*. New York: Cambridge University Press.
- Kroll, J. F., Dussias, P. E., Bogulski, C. A., & Valdes-Kroff, J. (2012). Juggling two languages in one mind: What bilinguals tell us about language processing and its consequences for cognition. In B. Ross (Ed.), *The Psychology of Learning and Motivation, Volume 56* (pp. 229-262). San Diego: Academic Press.
- Kroll, J. F., Guo, T., & Misra, M. (2012). What ERPs tell us about bilingual language processing. In M. Faust (Ed.), *The Handbook of the Neuropsychology of Language. Volume 1: Language Processing in the Brain: Basic Science* (pp. 494-515). Cambridge, MA: Blackwell Publishers.
- Kroll, J. F., Bogulski, C. A., & McClain, R. (2012). Psycholinguistic perspectives on second language learning and bilingualism: The course and consequence of cross-language competition. *Linguistic Approaches to Bilingualism*, 2, 1-24.
- Guo, T., Liu, H., Misra, M., & Kroll, J. F. (2011). Local and global inhibition in bilingual word production: fMRI evidence from Chinese-English bilinguals. *NeuroImage*, 56, 2300-2309.
- Jared, D., & Kroll, J. F. (2011). Cognitive processes in bilingual reading. In P. McCardle, J. R. Lee, B. Miller, & O. Tzeng (Eds.), *Dyslexia Across Languages: Orthography and the Brain-Gene-Behavior Link* (pp. 262-280). Baltimore, MD: Brookes Publishing.
- Kroll, J. F., & Hermans, D. (2011). Psycholinguistic perspectives on language processing in bilinguals. In M. Schmid & W. Lowie (Eds.), *Modeling Bilingualism. From Structure to Chaos: In Honor of Kees de Bot*, (pp. 15-36). Studies in Bilingualism, 43. Amsterdam: John Benjamins Publishers.
- Morford, J. P., Wilkinson, E., Villwock, A., Piñar, P. & Kroll, J. F. (2011). When deaf signers read English: Do written words activate their sign translations? *Cognition*, 118, 286-292.
- Kroll, J. F. (2010). The bilingual lexicon: An update of Kroll & Dijkstra (2002), The bilingual lexicon. In R. Kaplan (Ed.), *Handbook of Applied Linguistics*, 2nd Edition. Oxford: Oxford University Press.
- Kroll, J. F., Van Hell, J. G., Tokowicz, N., & Green, D. W. (2010). The Revised Hierarchical Model: A critical review and assessment. *Bilingualism: Language and Cognition*, 13, 373-381.
- Hoshino, N., Dussias, P. E., & Kroll, J. F. (2010). Processing subject-verb agreement in a second language depends on proficiency. *Bilingualism: Language and Cognition*, 13, 87-98.
- De Bot, K., & Kroll, J. F. (2010). *Psycholinguistics*. In N. Schmitt (Ed), *Introduction to Applied Linguistics, Second Edition* (pp. 124-142). London: Hodder Education
- Kroll, J. F. (2009). The consequences of bilingualism for the mind and the brain. An introduction and commentary on E. Bialystok, F. I. M. Craik, D. W. Green, & T. H. Gollan, "Bilingual Minds", *Psychological Science in the Public Interest*, 10, i-ii.
- Goldrick, M., Dell, G. S., Kroll, J., & Rapp, B. (2009). *Sequential information processing and limited interaction in language production*. Science E-letter response to Sahin et al. (2009) and Hagoort & Levelt (2009).
- Sunderman, G., & Kroll, J. F. (2009). When study abroad fails to deliver: The internal resources threshold effect. *Journal of Applied Psycholinguistics*, 30, 79-99.
- Linck, J. A., Kroll, J. F., & Sunderman, G. (2009). Losing access to the native language while immersed in a second language: Evidence for the role of inhibition in second language learning. *Psychological Science*, 20, 1507-1515.
- Linck, J. A., Hoshino, N., & Kroll, J. F. (2008). Cross-language lexical processes and inhibitory control. *The Mental Lexicon*, 3, 349-374.
- Bobb, S. C., Hoshino, N., & Kroll, J. F. (2008). The role of language cues in constraining cross-language activity. *EUROSLA Yearbook*, 8, 6-31.
- Kroll, J. F., Bobb, S. C., Misra, M. M., & Guo, T. (2008). Language selection in bilingual speech: Evidence for inhibitory processes. *Acta Psychologica*, 128, 416-430.
- Kroll, J. F. (2008). Juggling two languages in one mind. *Psychological Science Agenda*, American Psychological Association, 22. [<http://www.apa.org/science/about/psa/2008/01/kroll.aspx>]
- Hoshino, N., & Kroll, J. F. (2008). Cognate effects in picture naming: Does cross-language activation survive a change of script? *Cognition*, 106, 501-511.
- Kroll, J. F. (2008). *Teaching about bilingualism in introductory cognitive science courses*. Website developed by the Pomona College Department of Linguistics and Cognitive Science with funding from the William and Flora Hewlett Foundation. [<http://www.lcs.pomona.edu/HewlettCognitiveScience/index.html>]

- Kroll, J. F., Gerfen, C., & Dussias, P. (2008). Laboratory designs and paradigms in psycholinguistics. In L. Wei & M. Moyer (Eds.), *The Blackwell guide to research methods in bilingualism*. Cambridge, MA: Wiley-Blackwell.
- Prior, A., MacWhinney, B., & Kroll, J. F. (2007). Translation norms for English and Spanish: The role of lexical variables, word class, and L2 proficiency in negotiating translation ambiguity. *Behavior Research Methods*, 39, 1029-1038.
- Tokowicz, N., & Kroll, J. F. (2007). Number of meanings and concreteness: Consequences of ambiguity within and across languages. *Language and Cognitive Processes*, 22, 727-779.
- Kroll, J. F., & Linck, J. A. (2007). Representation and skill in second language learners and proficient bilinguals. In I. Kecskes & L. Albertazzi (Eds.), *Cognitive aspects of bilingualism*. New York: Springer.
- Schwartz, A. I., Kroll, J. F., & Diaz, M. (2007). Reading words in Spanish and English: Mapping orthography to phonology in two languages. *Language and Cognitive Processes*, 22, 106-129.
- Schwartz, A. I., & Kroll, J. F. (2006). Language processing in bilingual speakers. In M. Traxler & M. A. Gernsbacher (Eds.), *Handbook of Psycholinguistics, 2nd Edition* (pp. 967-999). Amsterdam: Elsevier.
- Schwartz, A. I., & Kroll, J. F. (2006). Bilingual lexical activation in sentence context. *Journal of Memory and Language*, 55, 197-212.
- Kroll, J. F., Bobb, S., & Wodniecka, Z. (2006). Language selectivity is the exception, not the rule: Arguments against a fixed locus of language selection in bilingual speech. *Bilingualism: Language and Cognition*, 9, 119-135.
- Sunderman, G., & Kroll, J. F. (2006). First language activation during second language lexical processing: An investigation of lexical form, meaning, and grammatical class. *Studies in Second Language Acquisition*, 28, 387-422.
- Christoffels, I. K., De Groot, A. M. B., & Kroll, J. F. (2006). Memory and language skill in simultaneous interpreting: The role of expertise and language proficiency. *Journal of Memory and Language*, 54, 324-345.
- Kroll, J. F., Sumutka, B. M., & Schwartz, A. I. (2005). A cognitive view of the bilingual lexicon: Reading and speaking words in two languages. *International Journal of Bilingualism*, 9, 27-48.
- Kroll, J. F., & Tokowicz, N. (2005). Models of bilingual representation and processing. In J. F. Kroll & A. M. B. De Groot (Eds.), *Handbook of Bilingualism: Psycholinguistic Approaches* (pp. 531-553). New York: Oxford University Press.
- Tokowicz, N., Michael, E., & Kroll, J. F. (2004). The roles of study abroad experience and working memory capacity in the types of errors made during translation. *Bilingualism: Language and Cognition*, 7, 255-272.
- Kroll, J. F., & Dussias, P. (2004). The comprehension of words and sentences in two languages. In T. Bhatia & W. Ritchie (Eds.), *Handbook of Bilingualism* (pp. 169-200). Cambridge, MA: Blackwell Publishers.
- Sebastián-Gallés, N., & Kroll, J. F. (2003). Phonology in bilingual language processing: Acquisition, perception, and production. In N. Schiller & A. Meyer (Eds.), *Phonetics and phonology in language comprehension and production: Differences and similarities* (pp. 279-317). Berlin: Mouton de Gruyter.
- Kroll, J. F., & Sunderman, G. (2003). Cognitive processes in second language acquisition: The development of lexical and conceptual representations. In C. Doughty & M. Long (Eds.), *Handbook of second language acquisition* (pp. 104-129). Cambridge, MA: Blackwell Publishers.
- Tokowicz, N., Kroll, J. F., De Groot, A.M.B., & Van Hell, J.G. (2002). Number of translation norms for Dutch-English translation pairs: A new tool for examining language production. *Behavior Research Methods, Instruments, and Computers*, 34, 435-451.
- Miller, N. A., & Kroll, J. F. (2002). Stroop effects in bilingual translation. *Memory & Cognition*, 30, 614-628.
- Kroll, J. F., Michael, E., Tokowicz, N., & Dufour, R. (2002). The development of lexical fluency in a second language. *Second Language Research*, 18, 137-171.

Recent Invited Talks

- Kroll, J. F. (2012). *Being bilingual: What juggling two languages tells us about the mind and the brain*. Colloquium to be presented at The Centre for Research on Brain, Language and Music, McGill University, Montreal, CA.
- Kroll, J. F., van Hell, J. G., & Bajo, M. T. (2012). *A cognitive view of multilingualism: The role of control processes in modulating the activity of more than one language*. Invited presentation given at a workshop on *L3 acquisition: A focus on cognitive approaches*. Vitoria, Spain.

- Kroll, J. F. (2011). *Juggling two languages in one mind: What bilinguals tell us about language processing and its consequences for cognition*. Colloquium presented to the Cognitive Science Program, Northwestern University, Evanston, IL.
- Kroll, J. F. (2011). *Juggling two languages in one mind and brain: Evidence for inhibition of the first language when preparing to speak the second language*. Invited presentation, 2011 Neuroscience Symposium on the Bilingual Brain, University of Texas, San Antonio, TX.
- Kroll, J. F. (2011). *Being bilingual: What juggling two languages tells us about the mind and the brain*. Invited presentation for a Faculty Panel on Language and Mind, *On the Same Page, Voices of Berkeley*, Berkeley, CA.
- Kroll, J. F. (2011). *Being bilingual*. Invited talk presented at the 12th International Science of Aphasia Conference, Barcelona, Spain.
- Kroll, J. F. (2011). *The bilingual is a mental juggler: Behavioral and electrophysiological evidence*. Talk presented as part of a symposium, *Crossing borders in language science: What bilinguals tell us about mind and brain*. American Association for the Advancement of Science, Washington D.C.
- Kroll, J. F. (2011). *The cognitive advantages of language abilities*. Talk presented at a *Summit on Language and Culture: A Strategic Imperative*, Department of Defense.
- Kroll, J. F. (2010). *PIRE: Partnerships for International Research and Education: Bilingualism, mind, and brain: An interdisciplinary program in cognitive psychology, linguistics, and cognitive neuroscience*. Talk given to the NSF Science of Learning Centers Annual Meeting, National Science Foundation, Arlington, VA.
- Kroll, J. F. (2010). *Bilinguals and second language learners: Juggling two languages in one mind and brain*. Plenary address presented at the Second Language Research Forum, University of Maryland, College Park, MD.
- Kroll, J. F. (2010). *BAM! Bilingualism reveals the architecture and mechanisms for language processing*. Invited keynote address given at AMLaP 2010: Architecture and Mechanisms for Language Processing, York, UK.
- Kroll, J. F. (2010). *Reading and speaking in two languages: What bilinguals tell us about language processing*. Invited keynote address to be given at the 20th Annual Meeting of the Society for Text and Discourse, Chicago, IL.
- Kroll, J. F., Bogulski, C. A., & McClain, R. (2010). *Psycholinguistic perspectives on second language learning and bilingualism: The course and consequence of cross-language competition*. Talk given to the Third Language Acquisition Workshop, University of Iowa.
- Kroll, J. F. (2010). *What bilinguals tell us about language and the mind*. Talk given to the Society of Experimental Psychologists, Philadelphia, PA.
- Kroll, J. F. (2009). *Psycholinguistic perspectives on second language learning and bilingualism*. Keynote address given at the 13th International Conference on the Processing of East Asian Languages, Beijing, China.
- Kroll, J. F. (2009). *What bilinguals tell us about language, the mind, and the brain*. Schultink Lecture presented at the LOT Summer School, 2009, Leiden, The Netherlands.
- Kroll, J. F. (2009). *Cognitive and neural perspectives on language processing in bilinguals*. Keynote address given at the Clinical Aphasiology Conference (CAC), Keystone, CO.
- Kroll, J. F. (2009). *Cognitive perspectives on bilingualism*. Keynote address given at the Spring Second Language Studies Symposium, Michigan State University, East Lansing, MI.

Recent Media

<http://www.scientificamerican.com/podcast/episode.cfm?id=language-immersion-impedes-access-t-09-11-30>

http://download.publicradio.org/podcast/americannradioworks/podcast/arw_4_26_the_bilingual_brain.mp3?_kip_ipx=577856814-1293280911

<http://www.guardian.co.uk/science/2011/feb/18/bilingual-alzheimers-brain-power-multitasking>

<http://www.scientificamerican.com/podcast/episode.cfm?id=being-multilingual-helps-with-multi-11-02-18>

http://www.science20.com/news_articles/bilingualism_mental_gymnasium_brain-77256

<http://www.abc.net.au/rn/allinthemind/stories/2011/3164263.htm>

http://mpegmedia.abc.net.au/rn/podcast/2011/03/aim_20110319.mp3

<http://www.usnews.com/science/articles/2011/03/24/sign-language-users-read-words-and-see-signs-simultaneously>

http://www.publicbroadcasting.net/wamc/news.newsmain?action=article&ARTICLE_ID=1807559

<http://dougall.union.ic.ac.uk/media/iscience/blog/way-with-words/>

http://www.rps.psu.edu/indepth/bilingual_brain.html

<http://www.ivanhoe.com/science/story/2011/12/946a.html>

<http://www.psychologicalscience.org/index.php/publications/observer/2012/may-june-12/speaking-your-mind.html>