

Judith F. Kroll

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Research Overview

Judith F. Kroll is Distinguished Professor of Psychology, Linguistics, and Women's Studies and former director of the Center for Language Science at Pennsylvania State University. She completed her undergraduate degree at New York University and graduate degrees at Brandeis University. She held faculty positions at Swarthmore College, Rutgers University, and Mount Holyoke College before joining the Penn State faculty in 1994. The research that she and her students conduct concerns the way that bilinguals juggle the presence of two languages in one mind and brain. Their work, supported by grants from NSF and NIH, shows that bilingualism provides a tool for revealing the interplay between language and cognition that is otherwise obscure in speakers of one language alone. She is a Fellow of the AAAS, the APA, the APS, the Psychonomic Society, and the Society of Experimental Psychologists. She was one of the founding editors of the journal *Bilingualism: Language and Cognition* (Cambridge University Press), and one of the founding organizers of *Women in Cognitive Science*, a group developed to promote the advancement of women in the cognitive sciences and supported by NSF (<http://womenincogsci.org/>). With Penn State colleagues, she is the PI on a 2010 NSF PIRE grant (Partnerships for International Research and Education) to develop an international research network and program of training to enable language scientists at all levels (undergraduate, graduate, and postdoctoral) to pursue research abroad on the science of bilingualism (<http://www.psu.edu/dept/cls/pire/>) and on a 2015 PIRE grant to translate the science of bilingualism to learning environments in the US and abroad.

Research and Professional Experience

Distinguished Professor of Psychology, Linguistics, and Women's Studies, Penn State U., 2007-present
Center for Language Science, Penn State U., Co-Director, 2006-2009; Director, 2009-2015
Visiting Sabbatical Scholar, Departments of Psychology and Linguistics, UCLA, 2013-2014
Visiting Professor, The Empirical Foundations of Linguistics International Chair of Quantitative and Experimental Linguistics, June 2012, Paris, France (<http://www.labex-efl.org/>)
Member, College of Reviewers, Perception, Action, and Cognition (PAC) Program, NSF, 2013-present
Chair, Study Section, Language and Communication Study Section, NIH, 2005-2007; Member, 2003-2005
Visiting Professor, U. of Nijmegen, The Netherlands, 1999-2000; Leiden U., Leiden, The Netherlands, 2000

Honors and Awards

Howard Palmer Faculty Mentoring Award, Pennsylvania State University, 1999
W. LaMarr Kopp International Achievement Award, Pennsylvania State University, 2009
Faculty Scholar Medal in the Social and Behavioral Sciences, Pennsylvania State University, 2013; Face of Penn State, 2013
John Simon Guggenheim Memorial Foundation Fellow, 2013-2014

Selected Recent Publications

- Fricke, M., Kroll, J. F., and Dussias, P. E. (in press). Phonetic variation in bilingual speech: A lens for studying the production-comprehension link. *Journal of Memory and Language*.
- Jacobs, A., Fricke, M., & Kroll, J. F. (in press). Cross-language activation begins during speech planning but extends into second language speech. *Language Learning*.
- Bice, K., & Kroll, J. F. (2015). Native language change during early stages of second language learning. *NeuroReport*, 26, 966-971.
- Bjork, R. A., & Kroll, J. F. (2015). Desirable difficulties in vocabulary learning. *American Journal of Psychology*, 128, 241-252.
- Kroll, J. F., Dussias, P. E., Bice, K., & Perrotti, L. (2015). Bilingualism, mind, and brain. In M. Liberman & B. H. Partee (Eds.), *Annual Review of Linguistics*, 1, 377-394.
- Kroll, J. F., Bobb, S. C., & Hoshino, N. (2014). Two languages in mind: Bilingualism as a tool to investigate language, cognition, and the brain. *Current Directions in Psychological Science*, 23, 159-163.
- Kroll, J. F., & Bialystok, E. (2013). Understanding the consequences of bilingualism for language processing and cognition. *Journal of Cognitive Psychology*, 25, 497-514.
- 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.
- Misra, M., Guo, T., Bobb, S. C., & Kroll, J. F. (2012). When bilinguals choose a single word to speak: Electrophysiological evidence for inhibition of the native language. *Journal of Memory and Language*, 67, 224-237.
- 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.
- 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.