

Kara D. Federmeier

Professor: Department of Psychology, Program in Neuroscience, and the Beckman Institute for Advanced Science and Technology, University of Illinois

Address Department of Psychology, UIUC
603 E. Daniel
Champaign IL 61820

Telephone (217) 333-8303

Fax (217) 244-5876

Email kfederme@illinois.edu

Web page <http://cognitionandbrainlab.org/>

Google scholar profile: http://scholar.google.com/citations?user=_FbCnoQAAAAJ&hl=en

Educational Background and Degrees Awarded

Ph.D. in Cognitive Science, University of California, San Diego 1996 - 2000
Thesis "Sense and structure: Electrophysiological investigations of semantic memory organization and use." Advised by Dr. Marta Kutas.

M.S. in Cognitive Science, University of California, San Diego 1994 - 1996
Thesis "Expectancy and category in sentence processing: When it makes sense to compare apples and carrots." Advised by Dr. Marta Kutas.

B.S., Summa Cum Laude, in Honors Biology, University of Illinois 1990 - 1994
Honors Thesis "Formation of multiple synapses as a mechanism for motor learning in the mammalian cerebellum." Advised by Dr. William Greenough.
Awarded Highest Distinction.

Danville High School; Danville, Illinois. Valedictorian. 1986 - 1990

Professional History

Professor 2012 -
Department of Psychology, Neuroscience Program, and the Beckman Institute for Advanced Science and Technology; University of Illinois

Associate Professor 2008 - 2012
Department of Psychology, Neuroscience Program, and the Beckman Institute for Advanced Science and Technology; University of Illinois

Assistant Professor 2002 - 2008
Department of Psychology, Neuroscience Program, and the Beckman Institute for Advanced Science and Technology; University of Illinois

Postdoctoral Researcher 2000 - 2002
Center for Research in Language and Department of Cognitive Science; University of California, San Diego

Honors and Awards

Elected President of the Society for Psychophysiological Research	2016 - 2019
Named a College of Liberal Arts and Sciences Centennial Scholar (“Selected for scholarly productivity and contributions to the educational mission of the College of LAS”)	2013 - 2016
James S. McDonnell Foundation Scholar Award, Understanding Human Cognition Initiative	2010 - 2016
Named a University Scholar (“Highest honor that the University of Illinois bestows on mid-career faculty”)	2012 - 2015
Named the Emanuel Donchin Professorial Scholar in Psychology	2013
Named on the University of Illinois List of Teachers Ranked as Excellent	2013, 2011, 2010, 2008, 2006, 2005, 2004
Named a Fellow of the Association for Psychological Science	2012
Member of <i>Gesellschaft für Unendliche Versuche</i> (GUV)	2004 - 2012
Cognitive Neuroscience Society Young Investigator Award	2010
Arnold O. Beckman Research Award, University of Illinois	2009, 2003
Helen Corley Petit Scholar, University of Illinois (College of Liberal Arts and Sciences award “recognizing outstanding achievement in both teaching and scholarship at time of promotion review”)	2008 - 2009
Society for Psychophysiology Award for Distinguished Early Career Contributions to Psychophysiology	2006
Howard Hughes Predoctoral Fellowship in Biological Sciences and McDonnell-Pew Center for Cognitive Neuroscience Fellow	1994 - 1999
Philanthropic Educational Organization Scholar Award	1997 - 1998
Teaching Excellence Award, Department of Cognitive Science, University of California, San Diego	1996
All School Distinction Award, University of Illinois School of Life Sciences (Award based on academic record and Honor’s Thesis research)	1994
University Honors “Bronze Tablet” (Top 3% of graduating University of Illinois students)	1994

Research Support

Active support

The Impact of Literacy on Cognition and Language Processing as Revealed by a Unique Sample of Nonliterate Older Adults 07/2015 - 07/2016

Kavli Foundation Grant; PIs Federmeier, Huang, Kutas, and Stine-Morrow
 This project uses event-related potential methods to examine language comprehension among older adults in Taiwan who did not learn to read, with comparisons to monolingual and bilingual adults in the US with lower literacy skills.
 Total costs: \$50,000

A Process View of Reading among Adult Literacy Learners 07/2013 - 07/2017

IES 392 DE R305A130448; PIs: Anderson, Cohen, Federmeier, and Stine-Morrow
 This project takes advantage of behavioral, eyetracking, and psychophysiological (ERP) methods to examine the nature of language processing in adult literacy learners as a précis to the development of instructional principles.
 Annual total costs \$400,000.

Cognitive and Neural Mechanisms of Meaning Comprehension 08/2010 - 08/2017

James S. McDonnell Foundation Scholar Award; PI Federmeier
 This project uses multiple methods (including ERPs and optical imaging) to delineate the spatio-temporal dynamics of neural activity during the processing of meaningful stimuli by young adults.
 Annual total costs \$150,000

Hemispheric Differences in Memory and Language 09/2005 - 09/2017

R01, NIA, AG026308; PI Federmeier
 This project empirically tests models of language and memory asymmetries and examines their implications for age-related cognitive change.
 Annual total costs \$313,651
 Total costs (first project period, 2005-2011) \$1,283,236

Completed support

Electrophysiological Signals to Predict Age-Related Cognitive Decline 2010 - 2014

Beckman Institute Seeding New Research Directions Award combined with a Carle Foundation Research Seed Grant; PI Federmeier
 This project used sophisticated behavioral memory paradigms in combination with measurement of ERPs to try to develop early markers of Alzheimer's disease.
 Total costs \$39,000

Characterizing Memory Performance With EEG 2010 - 2012

DOE SNL 987702; renewed as DOE SNL 1125934 PI Federmeier
 This project assessed the effectiveness of different encoding strategies on memory for verbal material over time and under varied task situations.
 Total costs \$62,461

Magnetoencephalographic Investigations of Brain Networks Involved in Language Comprehension 2009 - 2010
 UIUC Arnold O. Beckman Research Award; PI Federmeier
 This project used MEG to examine hemispheric interactions during sentence processing.
 Total costs \$18,000

Left and Right Hemisphere Contributions to Language and Memory 2003 - 2004
 UIUC Arnold O. Beckman Research Award; PI Federmeier
 This project empirically tested language and memory asymmetries in young adults.
 Total costs \$25,711

Funding for Students and Postdoctoral Researchers

IGERT Neuroengineering - A Unified Educational Program for Systems Engineering and Neuroscience 2009 - 2014
 NSF, 0903622; PIs: Jones, Wickesberg, Fabiani, Coleman; Role Affiliated Faculty
 Predoctoral Trainees Danielle Dickson, Ryan Hubbard, Cybelle Smith

Individual and joint contributions of the hemispheres to language comprehension 2008 - 2010
 NRSA Predoctoral Award, NIDCD, F31-DC009781; Role: Faculty sponsor
 Fellow: Edward Wlotko

Training in Cognitive Psychophysiology 2003 - 2013
 T32, NIMH, MH195544; Program Director: Heller; Role: Core faculty
 Predoctoral Trainees: Sarah Laszlo

Language Processing: A Training Program 2002 - 2015
 T32, NICHD, HD055272; Program Director: Bock (until 2013), Brown-Schmidt & Federmeier (2014-2015); Role: co-PD (2014-2015) and core faculty (2002-2015)
 Predoctoral Trainees: Karen Evans, Mallory Stites, Edward Wlotko
 Postdoctoral Trainees: Jeremy Boyd, Aaron Meyer

NSF Graduate Research Fellowship mentees
 Mallory Stites, Cybelle Smith

Publications

Total # articles/chapters: 101; Total # citations ~8700; Current h-index: 41; Current i10-index: 77
Reprints available from: https://internal.psychology.illinois.edu/reprints/index.php?site_id=46

Journal Articles

1. Kutas, M. and **Federmeier, K. D.** (1998). Minding the body. *Psychophysiology*, *35*, 135-150. doi: 10.1111/1469-8986.3520135 [PMID: 9529940]
2. Banich, M. T. and **Federmeier, K. D.** (1999). Categorical and metric spatial processes distinguished by task demands and practice. *Journal of Cognitive Neuroscience*, *11*, 153-166. doi: 10.1162/089892999563292 [PMID: 10198131]
3. **Federmeier, K. D.** and Kutas, M. (1999). A rose by any other name: Long-term memory structure and sentence processing. *Journal of Memory and Language*, *41*, 469-495. doi: 10.1006/jmla.1999.2660
4. **Federmeier, K. D.** and Kutas, M. (1999). Right words and left words: Electrophysiological evidence for hemispheric differences in meaning processing. *Cognitive Brain Research*, *8*, 373-392. doi: 10.1016/S0926-6410(99)00036-1 [PMID: 10556614]
5. **Federmeier, K. D.** and Kutas, M. (2000). It's about time. *Brain and Language*, *71*, 62-64. doi: 10.1006/brln.1999.2213 [PMID: 10716808]
6. **Federmeier, K. D.**, Segal, J. B., Lombrozo, T., and Kutas, M. (2000). Brain responses to nouns, verbs, and class ambiguous words in context. *Brain*, *123*, 2552-2566. doi: 10.1093/brain/123.12.2552 [PMID: 11099456]
7. Kutas, M. and **Federmeier, K. D.** (2000). Electrophysiology reveals semantic memory use in language comprehension. *Trends in Cognitive Science*, *4*, 463-470. doi: 10.1016/S1364-6613(00)01560-6 [PMID: 11115760]
8. **Federmeier, K. D.**, Kirson, D. A., Moreno, E. M., and Kutas, M. (2001). Effects of transient, mild mood states on semantic memory organization and use: An event-related potential investigation in humans. *Neuroscience Letters*, *305*, 149-152. doi: 10.1016/S03043940(01)01843-2 [PMID: 11403927]
9. **Federmeier, K. D.** and Kutas, M. (2001). Meaning and modality: Influences of context, semantic memory organization, and perceptual predictability on picture processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *27*, 202-224. doi: 10.1037/0278-7393.27.1.202 [PMID: 11204098]
10. **Federmeier, K. D.**, Kleim, J. A., and Greenough, W. T. (2002). Learning-induced multiple synapse formation in rat cerebellar cortex. *Neuroscience Letters*, *332*, 180-184. doi: 10.1016/S0304-3940(02)00759-0 [PMID: 12399010]

11. **Federmeier, K. D.** and Kutas, M. (2002). Picture the difference: Electrophysiological investigations of picture processing in the cerebral hemispheres. *Neuropsychologia*, *40*, 730-747. doi: 10.1016/S0028-3932(01)00193-2 [PMID: 11900725]
12. **Federmeier, K. D.**, McLennan, D. B., De Ochoa, E., and Kutas, M. (2002). The impact of semantic memory organization and sentence context information on spoken language processing by younger and older adults: An ERP study. *Psychophysiology*, *39*, 133-146. doi: 10.1111/1469-8986.3920133 [PMID: 12212662]
13. Moreno, E. M., **Federmeier, K. D.**, and Kutas, M. (2002). Switching languages, switching palabras (words): An electrophysiological study of code-switching. *Brain and Language*, *80*, 188-207. doi: 0.1006/brln.2001.2588 [PMID: 11827443]
14. Bates, E., D'Amico, S., Jacobsen, T., Székely, A., Andonova, E., Devescovi, A., Herron, D., Lu, C., Pechmann, T., Pléh, C., Wicha, N., **Federmeier, K.**, Gerdjikova, I., Gutierrez, G., Hung, D., Hsu, J., Iyer, G., Kohnert, K., Mehotcheva, T., Orozco-Figueroa, A., Tzeng, A., and Tzeng, O. (2003). Timed picture naming in seven languages. *Psychonomic Bulletin and Review*, *10*, 344-380. doi: 10.3758/BF03196494 [PMID: 12921412]
15. **Federmeier, K. D.**, Van Petten, C., Schwartz, T. J., and Kutas, M. (2003). Sounds, words, sentences: Age-related changes across levels of language processing. *Psychology and Aging*, *18*, 858–872. doi: 10.1037/0882-7974.18.4.858 [PMID: 14692871]
16. Schwartz, T. J., **Federmeier, K. D.**, Salmon, D. P., and Kutas, M. (2003). Electrophysiological analysis of context effects in Alzheimer's disease. *Neuropsychology*, *17*, 187-201. doi: 10.1037/0894-4105.17.2.187 [PMID: 12803424]
17. Szekely, A., D'Amico, S., Devescovi, A., **Federmeier, K.**, Herron, D., Iyer, G., Jacobsen, T., and Bates, E. (2003). Timed picture naming: Extended norms and validation against previous studies. *Behavior Research Methods, Instruments, and Computers*, *35*, 621-633. doi: 10.3758/BF03195542 [PMID: 14748507]
18. Szekely, A., Jacobsen, T., D'Amico, S., Devescovi, A., Andonova, E., Herron, D., Lu, C., Pechmann, T., Pléh, C., Wicha, N., **Federmeier, K.**, Gerdjikova, I., Gutierrez, G., Hung, D., Hsu, J., Iyer, G., Kohnert, K., Mehotcheva, T., Orozco-Figueroa, A., Tzeng, A., and Tzeng, O., Vargha, A., Butler, A., Buffington, R., and Bates, E. (2004). A new on-line resource for psycholinguistic studies. *Journal of Memory and Language*, *51*, 247–250. doi: 10.3758/BF03195542
19. Coulson, S., **Federmeier, K. D.**, Van Petten, C., and Kutas, M. (2005). Right hemisphere sensitivity to word and sentence level context: Evidence from event-related brain potentials. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *31*, 129-147. doi: 10.1037/0278-7393.31.1.129 [PMID: 15641911]
20. **Federmeier, K. D.** and Benjamin, A. S. (2005). Hemispheric asymmetries in the timecourse of recognition memory. *Psychonomic Bulletin and Review*, *12*, 993-998. doi: 10.3758/BF03206434 [PMID: 16615318; PMCID: PMC2682548]

21. **Federmeier, K. D.**, and Kutas, M. (2005). Aging in context: Age-related changes in context use during language comprehension. *Psychophysiology*, *42*, 133-141. doi: 10.1111/j.1469-8986.2005.00274.x [PMID: 15787850]
22. **Federmeier, K. D.**, Mai, H., and Kutas, M. (2005). Both sides get the point: Bihemispheric sensitivity to sentential constraint. *Memory and Cognition*, *33*, 871-886. doi: 10.3758/BF03193082 [PMID: 16383175]
23. Szekely, A., D'Amico, S., Devescovi, A., **Federmeier, K.**, Herron, D., Iyer, G., Jacobsen, T., Arévalo, A., Vargha A., and Bates, E. (2005). Timed action and object naming. *Cortex*, *41*, 7-26. doi: 10.1016/S0010-9452(08)70174-6 [PMID: 15633703]
24. Hannula, D. E., **Federmeier, K. D.**, and Cohen, N. J. (2006). Event-related potential signatures of relational memory. *Journal of Cognitive Neuroscience*, *18*, 1863-1876. doi: 10.1162/jocn.2006.18.11.1863 [PMID: 17069477; PMCID: PMC2696238]
25. Lee, C. and **Federmeier, K. D.** (2006). To mind the mind: An event-related potential study of word class and word class ambiguity. *Brain Research*, *1081*, 191-202. doi: 10.1016/j.brainres.2006.01.058 [PMID: 16516169; PMCID: PMC2728580]
26. Evans, K M. and **Federmeier, K. D.** (2007). The memory that's right and the memory that's left: Event-related potentials reveal hemispheric asymmetries in the encoding and retention of verbal information. *Neuropsychologia*, *45*, 1777-1790. doi: 10.1016/j.neuropsychologia.2006.12.014 [PMID: 17291547; PMCID: PMC2758159]
27. **Federmeier, K. D.** (2007). Thinking ahead: The role and roots of prediction in language comprehension. *Psychophysiology*, *44*, 491-505. doi: 10.1111/j.1469-8986.2007.00531.x [PMID: 17521377; PMCID: PMC2712632]
28. **Federmeier, K. D.**, Wlotko, E., De Ochoa-Dewald, E., and Kutas, M. (2007). Multiple effects of sentential constraint on word processing. *Brain Research*, *1146*, 75-84. doi: 10.1016/j.brainres.2006.06.101 [PMID: 16901469; PMCID: PMC2704150]
29. Gutchess, A. H., Ieuiji, Y, and **Federmeier, K. D.** (2007). Event-related potentials reveal age differences in the encoding and recognition of scenes. *Journal of Cognitive Neuroscience*, *19*, 1089-1103. doi: 10.1162/jocn.2007.19.7.1089 [PMID: 17583986; PMCID: PMC2682632]
30. Kandhadai, P. and **Federmeier, K. D.** (2007). Multiple priming of lexically ambiguous and unambiguous targets in the cerebral hemispheres: The coarse coding hypothesis revisited. *Brain Research*, *1153*, 144-157. doi: 10.1016/j.brainres.2007.03.046 [PMID: 17459344; PMCID: PMC2693898]
31. Laszlo, S. and **Federmeier, K. D.** (2007). The acronym superiority effect. *Psychonomic Bulletin and Review*, *14*, 1158-1163. doi: 10.3758/BF03193106 [PMID: 18229490; PMCID: PMC2704149]
32. Laszlo, S. and **Federmeier, K. D.** (2007). Better the DVL you know: Acronyms reveal the contribution of familiarity to single word reading. *Psychological Science*, *18*, 122-126. doi:

- 10.1111/j.1467-9280.2007.01859.x [PMID: 17425530; PMCID: PMC2692048]
33. Meyer, A. M. and **Federmeier, K. D.** (2007). The effects of context, meaning frequency, and associative strength on semantic selection: Distinct contributions from each cerebral hemisphere. *Brain Research*, 1183, 91-108. doi: 10.1016/j.brainres.2007.09.007 [PMID: 17936727; PMCID: PMC2211361]
 34. Wlotko, E. and **Federmeier, K. D.** (2007). Finding the right word: Hemispheric asymmetries in the use of sentence context information. *Neuropsychologia*, 45, 3001-3014. doi: 10.1016/j.neuropsychologia.2007.05.013 [PMID: 17659309; PMCID: PMC2066191]
 35. **Federmeier, K. D.**, Wlotko, E., and Meyer, A. M. (2008). What's "right" in language comprehension: ERPs reveal right hemisphere language capabilities. *Language and Linguistics Compass*, 2, 1-17. doi: 10.1111/j.1749-818X.2007.00042.x [PMID: 19777128; PMCID: PMC2748422]
 36. Kandhadai, P. and **Federmeier, K. D.** (2008). Summing it up: Semantic activation processes in the two hemispheres as revealed by event-related potentials. *Brain Research*, 1233, 146-159. doi: 10.1016/j.brainres.2008.07.043 [PMID: 18675257; PMCID: PMC2712634]
 37. Laszlo, S. and **Federmeier, K. D.** (2008). Minding the PS, queues, and PXQs: Uniformity of semantic processing across multiple stimulus types. *Psychophysiology*, 45, 458-466. doi: 10.1111/j.1469-8986.2007.00636.x [PMID: 18221447; PMCID: PMC2704151]
 38. Lee, C. and **Federmeier, K. D.** (2008). To watch, to see, and to differ: An event-related potential study of concreteness effects as a function of word class and lexical ambiguity. *Brain and Language*, 104, 145-158. doi: 10.1016/j.bandl.2007.06.002 [PMID: 17659768; PMCID: PMC2712631]
 39. Meyer, A. M. and **Federmeier, K. D.** (2008). The divided visual world paradigm: Eye tracking reveals hemispheric asymmetries in lexical ambiguity resolution. *Brain Research*, 1222, 166-183. doi: 10.1016/j.brainres.2008.05.033 [PMID: 18585683; PMCID: PMC2630578]
 40. Evans, K. M. and **Federmeier, K. D.** (2009). Left and right memory revisited: Electrophysiological investigations of hemispheric asymmetries at retrieval. *Neuropsychologia*, 47, 303-313. doi: 10.1016/j.neuropsychologia.2008.08.027 [PMID: 18817792; PMCID: PMC2682693]
 41. Gratton, C., Evans, K. M., and **Federmeier, K. D.** (2009). See what I mean? An ERP study of the effect of background knowledge on novel object processing. *Memory and Cognition*, 37, 277-291. doi: 10.3758/MC.37.3.277 [PMID: 19246343; PMCID: PMC2682721]
 42. Hurley, R. S., Paller, K. A., Wieneke, C. A., Weintraub, S., Thompson, C. K., **Federmeier, K. D.**, and Mesulam, M. M. (2009). Electrophysiology of object naming in primary progressive aphasia. *Journal of Neuroscience*, 29(50), 15762-15769. doi:

- 10.1523/JNEUROSCI.2912-09.2009 [PMID: 20016092; PMCID: PMC2810188]
43. Kutas, M. and **Federmeier, K. D.** (2009). N400. *Scholarpedia*, 4(10), 7790. doi: 10.4249/scholarpedia.7790
 44. Laszlo, S. and **Federmeier, K. D.** (2009). A beautiful day in the neighborhood: An event-related potential study of lexical relationships and prediction in context. *Journal of Memory and Language*, 61, 326-338. doi: 10.1016/j.jml.2009.06.004 [PMID: 20161064; PMCID: PMC2747758]
 45. Lee, C. and **Federmeier, K. D.** (2009). Wave-ering: An ERP study of syntactic and semantic context effects on ambiguity resolution for noun/verb homographs. *Journal of Memory and Language*, 61, 538-555. doi: 10.1016/j.jml.2009.08.003 [PMID: 20161361; PMCID: PMC2777696]
 46. **Federmeier, K. D.**, Kutas, M., and Schul, R. (2010). Age-related and individual differences in the use of prediction during language comprehension. *Brain and Language*, 115, 149-161. doi: 10.1016/j.bandl.2010.07.006 [PMID: 20728207; PMCID: PMC2975864]
 47. Huang, H., Lee, C., and **Federmeier, K. D.** (2010). Imagine that! ERPs provide evidence for distinct hemispheric contributions to the processing of concrete and abstract concepts. *Neuroimage*, 49, 1116-1123. doi: 10.1016/j.neuroimage.2009.07.031 [PMID: 19631274; PMCID: PMC2782386]
 48. Kandhadai, P. and **Federmeier, K. D.** (2010). Automatic and controlled aspects of lexical associative processing in the two cerebral hemispheres. *Psychophysiology*, 47, 774-785. doi: 10.1111/j.1469-8986.2009.00969.x [PMID: 20136731; PMCID: PMC2907428]
 49. Kandhadai, P. and **Federmeier, K. D.** (2010). Hemispheric differences in the recruitment of semantic processing mechanisms. *Neuropsychologia*, 48, 3772-3781. doi: 10.1016/j.neuropsychologia.2010.07.018 [PMID: 20638397; PMCID: PMC2989429]
 50. Meyer, A. M. and **Federmeier, K. D.** (2010). Event-related potentials reveal the effects of aging on meaning selection and revision. *Psychophysiology*, 47, 673-686. doi: 10.1111/j.1469-8986.2010.00983.x [PMID: 20210876; PMCID: PMC2907459]
 51. Wlotko, E., Lee, C., and **Federmeier, K. D.** (2010). Language of the aging brain: Event-related potential studies of comprehension in older adults. *Language and Linguistics Compass*, 4, 623-638. doi: 10.1111/j.1749-818X.2010.00224.x [PMID: 20823949; PMCID: PMC2930790]
 52. Kutas, M. and **Federmeier, K. D.** (2011). Thirty years and counting: Finding meaning in the N400 component of the event-related brain potential (ERP). *Annual Review of Psychology*, 62, 621-647. doi: 10.1146/annurev.psych.093008.131123 [PMID: 20809790; PMCID: PMC4052444]
 53. Laszlo, S. and **Federmeier, K. D.** (2011). The N400 as a snapshot of interactive processing: Evidence from regression analyses of orthographic neighbor and lexical

- associate effects. *Psychophysiology*, *48*, 176-186. doi: 10.1111/j.1469-8986.2010.01058.x [PMID: 20624252; PMCID: PMC2955840]
54. Lee, C, and **Federmeier, K. D.** (2011). Differential age effects on lexical ambiguity resolution mechanisms. *Psychophysiology*, *48*, 960-972. doi: 10.1111/j.1469-8986.2010.01158.x [PMID: 21175671; PMCID: PMC3107384]
55. Voss, J. L. and **Federmeier, K. D.** (2011). FN400 potentials are functionally identical to N400 potentials and reflect semantic processing during recognition testing. *Psychophysiology*, *48*, 532-546. doi: 10.1111/j.1469-8986.2010.01085.x [PMID: 20701709; PMCID: PMC2982896]
56. Voss, J. L., Gonsalves, B. D., **Federmeier, K. D.**, Tranel, D., and Cohen, N. J. (2011). Hippocampal brain-network coordination during volitional exploratory behavior enhances learning. *Nature Neuroscience*, *14*, 115-120. doi: 10.1038/nn.2693 [PMID: 21102449; PMCID: PMC3057495]
57. Voss, J. L., Warren, D. E., Gonsalves, B. D., **Federmeier, K. D.**, Tranel, D., and Cohen, N. J. (2011). Spontaneous revisitation during visual exploration as a link between strategic behavior, learning, and the hippocampus. *Proceedings of the National Academy of Sciences*, *108*, 402-409. doi: 10.1073/pnas.1100225108 [PMID: 21768385; PMCID: PMC3150890]
58. Coronel, J. C., Duff, M. C., Warren, D. E., **Federmeier, K. D.**, Gonsalves, B. D., Tranel, D., and Cohen, N. J. (2012). Remembering and voting: Theory and evidence from amnesic patients. *American Journal of Political Science*, *56*, 837-848. doi: 10.1111/j.1540-5907.2012.00608.x [PMID: 24511170; PMCID: PMC3917545].
59. Huang, H. and **Federmeier, K. D.** (2012). Dispreferred adjective orders elicit brain responses associated with lexico-semantic rather than syntactic processing. *Brain Research*, *1475*, 62-70. doi: 10.1016/j.brainres.2012.07.050 [PMID: 22885290; PMCID: PMC3449010]
60. Huang, H., Meyer, A. M., and **Federmeier, K. D.** (2012). A “concrete view” of aging: Event-related potentials reveal age-related changes in basic integrative processes in language. *Neuropsychologia*, *50*, 26-35. doi: 10.1016/j.neuropsychologia.2011.10.018 [PMID: 22044648; PMCID: PMC3405910]
61. Laszlo, S., Stites, M. C., and **Federmeier, K. D.** (2012). Won't get fooled again: An event-related potential study of task and repetition effects on the semantic processing of items without semantics. *Language and Cognitive Processes*, *27*, 257-274. doi: 10.1080/01690965.2011.606667 [PMID: 22518068; PMCID: PMC3328294]
62. Lee, C. and **Federmeier, K. D.** (2012). Ambiguity's aftermath: How age differences in resolving lexical ambiguity affect subsequent comprehension. *Neuropsychologia*, *50*, 869-879. doi: 10.1016/j.neuropsychologia.2012.01.027 [PMID: 22321956; PMCID: PMC3309064]
63. Voss, J. L., **Federmeier, K. D.**, and Paller, K. A. (2012). The potato chip really *does* look

like Elvis! Repetition priming in the conceptual system for abstract forms thought to be meaningful. *Cerebral Cortex*, 22, 2354-2364. doi: 10.1093/cercor/bhr315 [PMID: 22079921; PMCID: PMC3432238]

Popular press coverage:

Carroll, Linda. (2011, December 1). Why some see the face of Jesus in their toast. *MSNBC's The Body Odd*.

http://bodyodd.msnbc.msn.com/_news/2011/12/01/9095070-why-some-see-the-face-of-jesus-in-their-toast?GT1=43001

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63. Kandhadai, P and **Federmeier, K. D.** (2008). Coming up next! Event-related potential evidence for word level prediction in the cerebral hemispheres. *Psychophysiology*, 45, Supplement 1, S39.
 64. Laszlo, S. and **Federmeier, K. D.** (2008). All for one and one for all: Homogeneity of semantic access for all written inputs. *Journal of Cognitive Neuroscience*, Supplement 1, 252.
 65. Laszlo, S. and **Federmeier, K. D.** (2008). A beautiful day in the neighborhood: An ERP study of lexical relationships and sentential congruity. *Psychophysiology*, 45, Supplement 1, S10.
 66. Lee, C. and **Federmeier, K.D.** (2008). Wave-ering: An ERP study of syntactic and semantic context effects on ambiguity resolution for noun/verb homographs. *Psychophysiology*, 45, Supplement 1, S70. **(Tversky award winner)**
 67. Matzen, L. E., **Federmeier, K. D.**, and Benjamin, A. S. (2008). Wide open spaces: ERPs reveal the role of reminding in memory. *Psychophysiology*, 45, Supplement 1, S72.
 68. Wlotko, E. W. and **Federmeier, K. D.** (2008). Two is not better than one: Bilateral presentation fails to elicit an electrophysiological marker of sentential constraint. *Journal of Cognitive Neuroscience*, Supplement 1, 216.
 69. Wlotko, E. W. and **Federmeier, K. D.** (2008). The frontal P2 component and the influence of sentential constraint on visual processing. *Psychophysiology*, 45, Supplement 1, S9.
 70. Wlotko, E. W., **Federmeier, K. D.**, and Kutas, M. (2008). Age-related changes in the use of sentential context. *Psychophysiology*, 45, Supplement 1, S33.
 71. Coronel, J. C., Gonsalves, B., and **Federmeier, K. D.** (2009). Event-related potential evidence suggesting voters remember political events that never happened. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, October 9-11.
 72. Coronel, J. C., Gonsalves, B., and **Federmeier, K. D.** (2009). Event-related potential evidence suggesting voters remember political events that never happened. *Society for Neuroscience Abstracts*, 35, 475.13
 73. Hurley, R. S., Paller, K., Wieneke, C., Thompson, C., **Federmeier, K. D.**, and Mesulam, M. (2009). Electrophysiology of object naming in primary progressive aphasia. *Society for Neuroscience Abstracts*, 35, 434.11
 74. Kandhadai, P and **Federmeier, K. D.** (2009). The ties that bind the lexicon: Lexical associative processes in the cerebral hemispheres. *Journal of Cognitive Neuroscience*, Supplement 1, 81.

75. Kandhadai, P and **Federmeier, K. D.** (2009). Making sense of hemispheric differences in meaning apprehension. *Psychophysiology*, 46, Supplement 1, S108.
76. Laszlo, S. and **Federmeier, K. D.** (2009). The unstoppable juggernaut: Electrophysiology reveals the obligatory nature of semantic access. *Psychophysiology*, 46, Supplement 1, S2.
77. Laszlo, S., Anaya, P., and **Federmeier, K. D.** (2009). Interacting effects of lexical variables on language-sensitive ERPs at the single-item level. *Psychophysiology*, 46, Supplement 1, S109.
78. Lee, C. and **Federmeier, K. D.** (2009). Aging modulates top-down but not automatic processes during lexical ambiguity resolution: An ERP study. *Journal of Cognitive Neuroscience*, Supplement 1, 78.
79. Lee, C. and **Federmeier, K. D.** (2009). Effects of semantic and syntactic context on open-class words – comparing the old and the young. *Neurobiology of Language Conference*, 110.
80. Lee, C. and **Federmeier, K. D.** (2009). Effects of semantic and syntactic context on open-class words – comparing the older and the younger. Poster presented at the Neurobiology of Language Satellite Symposium at the Society for Neuroscience Annual Meeting, October 15-16.
81. Lee, C. and **Federmeier, K. D.** (2009). Hemispheric differences in word class expectancy – An event-related potential study. *Psychophysiology*, 46, Supplement 1, S81.
82. Matzen, L., **Federmeier, K. D.**, and Benjamin, A. S. (2009). ERPs reveal the role of reminding in the spacing effect in memory. *Journal of Cognitive Neuroscience*, Supplement 1, 211.
83. Rosenfelt, L., Barkley, C., Kellogg, M. K., Kluender, R., Kutas, M., **Federmeier, K. D.**, and Lee, C. (2009). No ERP evidence for automatic first-pass parsing. Paper presented at the 22nd annual CUNY Conference on Human Sentence Processing.
84. Wlotko, E. W., **Federmeier, K. D.**, and Kutas, M. (2009). An electrophysiological investigation of individual differences in the use of sentential context. *Journal of Cognitive Neuroscience*, Supplement 1, 83.
85. Wlotko, E. W., **Federmeier, K. D.**, and Kutas, M. (2009). An electrophysiological investigation of the impact of sentential context on processing unexpected but plausible words. Paper presented at the 22nd annual CUNY Conference on Human Sentence Processing, March 26-28.
86. Wlotko, E. W., **Federmeier, K. D.**, and Kutas, M. (2009). Shifts in hemispheric contributions to language comprehension with age. *Psychophysiology*, 46, Supplement 1, S81.
87. Wlotko, E. W., Evans, K. M., Huang, H., Kandhadai, P., Lee, C., and **Federmeier, K. D.**

- (2009). Hemispheric asymmetries in visual processing of verbal material as indexed by the frontal P2. Poster presented at EPIC XV, April 22-25.
88. Baym, C., Cohen, N., **Federmeier, K. D.**, and Gonsalves, B. (2010). Electrophysiological indices of the contributions of long-term memory to decision-making. *Journal of Cognitive Neuroscience, Supplement 1*, 56.
 89. Boyd, J. K. and **Federmeier, K. D.** (2010). Are the cerebral hemispheres differentially sensitive to changing linguistic probabilities? *Psychophysiology, 47, Supplement 1*, S36.
 90. Boyd, J. K. and **Federmeier, K. D.** (2010). Language learning across hemispheres. Poster presented at the 2nd annual Neurobiology of Language Conference.
 91. Coronel, J. C., Gonsalves, B., and **Federmeier, K. D.** (2010). Neural evidence suggesting voters remember political events that never happened. Poster presented at the Annual Midwest Political Science Association National Conference, April 22-25.
 92. **Federmeier, K.D.**, and Lee, C. (2010). Differential age effects on lexical ambiguity resolution mechanisms. *Abstracts of the Psychonomic Society, Volume 15*, 21.
 93. Huang, H., Meyer, A. M., and **Federmeier, K. D.** (2010). A “concrete view” of aging: ERPs reveal age-related changes in basic integrative processes in language. *Psychophysiology, 47, Supplement 1*, S36-37.
 94. Hurley, R., Paller, K., Wieneke, C., Weintraub, S., Thompson, C., **Federmeier, K. D.**, and Mesulum, M. (2010). Use of N400 to parse semantic from post-semantic naming failures in primary progressive aphasia. *Journal of Cognitive Neuroscience, Supplement 1*, 214.
 95. Laszlo, S., Armstrong, B. C., MacInnes, W. J., Plaut, D. C., and **Federmeier, K. D.** (2010). When dog is more wolf than bone: Computational and electrophysiological evidence for featural organization of semantic memory. *Proceedings of the 32nd Annual Meeting of the Cognitive Science Society*, 585.
 96. Laszlo, S., Stites, M., and **Federmeier, K. D.** (2010). Task and repetition effects on the semantic processing of items without semantics. *Psychophysiology, 47, Supplement 1*, S28.
 97. Lee, C., and **Federmeier, K. D.** (2010). Age-related changes in ambiguous text processing: an ERP study. *Cognitive Aging Conference*.
 98. Lee, C., and **Federmeier, K. D.** (2010). It’s all in the family: Brain asymmetry and syntactic processing. *Psychophysiology, 47, Supplement 1*, S36.
 99. Matzen, L. E., and **Federmeier, K. D.** (2010). Contributions of conceptual priming and recollection to the Dm effect. *Psychophysiology, 47, Supplement 1*, S37.
 100. Stites, M. C., Lee, C., **Federmeier, K. D.**, Gao, X., and Stine-Morrow, E. A. (2010). Linking the eyes and the brain: ERP and eyetracking effects of on-line ambiguity resolution of noun-verb homographs. *Psychophysiology, 47, Supplement 1*, S37.

101. Voss, J., Gonsalves, B., **Federmeier, K. D.**, and Cohen, N. (2010). Effects of volitionally controlled visual exploration on memory and brain-network dynamics. *Journal of Cognitive Neuroscience, Supplement 1*, 53.
102. Wlotko, E. W., and **Federmeier, K. D.** (2010). Flexible implementation of hemispheric processing biases during sentence comprehension. *Journal of Cognitive Neuroscience, Supplement 1*, 219.
103. Wlotko, E. W. and **Federmeier, K. D.** (2010). I didn't know you were going to say that: A left-lateralized negative brain potential for sentences of moderately strong constraint. *Psychophysiology, 47, Supplement 1*, S36.
104. Wlotko, E. W., **Federmeier, K. D.**, Fabiani, M, and Gratton, G. (2010). The event-related optical signal reveals contralateral and ipsilateral brain activity over time during lateralized processing of words. *Psychophysiology, 47, Supplement 1*, S29.
105. Wlotko, E. W., **Federmeier, K. D.**, and Kutas, M. (2010). Malleability of language comprehension mechanisms via task demands. *Abstracts of the Psychonomic Society, Volume 15*, 103.
106. Wlotko, E. W., and **Federmeier, K. D.** (2010) An items-level event-related potential analysis of initial and later stages of sentence comprehension in younger and older adults. Poster presented at the 2nd annual Neurobiology of Language Conference.
107. Boyd, J.K. and **Federmeier, K. D.** (2011). Behavioral and event-related brain potential measures of the acquisition of grammatical constraints. Poster presented at the 3rd annual Neurobiology of Language Conference.
108. Coronel, J. C., Gonsalves, B. D., and **Federmeier, K. D.** (2011). Event-related potentials reveal how voters evaluate political candidates. *Psychophysiology, 48, Supplement 1*, S54.
109. Huang, H and **Federmeier, K. D.** (2011). ERP informative findings: Dispreferred adjective orders elicit brain responses associated with lexico-semantic rather than syntactic processing. *Psychophysiology, 48, Supplement 1*, S53.
110. Matzen, L and **Federmeier, K. D.** (2011). Influences of predictive processing on memory errors. *Journal of Cognitive Neuroscience, Supplement 1*, 179.
111. Stites, M. C., Lee, C., **Federmeier, K. D.**, and Stine-Morrow, E. A. L. (2011). Get to/the point: How older adults resolve ambiguity of noun/verb homographs. *Psychophysiology, 48, Supplement 1*, S54.
112. Voss, J., Warren, D., Gonsalves, B., **Federmeier, K. D.**, Tranel, D., and Cohen, N. (2011). Have a little bit of self-control! Strategic study behaviors that enhance memory. *Journal of Cognitive Neuroscience, Supplement 1*, 188.
113. Wlotko, E. and **Federmeier, K. D.** (2011). Flexible implementation of anticipatory

- language comprehension mechanisms. *Journal of Cognitive Neuroscience, Supplement 1*, 233.
114. Wlotko, E. **Federmeier, K. D.**, Fabiani, M., and Gratton, G. (2011). It takes two: The event-related optical signal reveals distinct contributions from the cerebral hemispheres to language comprehension. *Psychophysiology, 48, Supplement 1*, S99.
 115. Boyd, J.K. and **Federmeier, K. D.** (2012). Construction meaning and working memory in the acquisition of grammatical constraints. Paper presented at the 86th Annual Meeting of the Linguistic Society of America.
 116. Dickson, D. S. and **Federmeier, K. D.** (2012). The right hemisphere breaks the rules: Event-related potentials reveal stronger encoding of illegal strings in the right hemisphere than in the left. *Journal of Cognitive Neuroscience, Supplement 1*, 142.
 117. Dickson, D. S. and **Federmeier, K. D.** (2012). The right hemisphere breaks the rules: Event-related potentials reveal hemispheric differences in visual word recognition. *Psychophysiology, 49, Supplement 1*, S80.
 118. Frost, D. J. and **Federmeier, K. D.** (2012). Event-related brain potentials of semantic access and memory for emotional language. *Journal of Cognitive Neuroscience, Supplement 1*, 190.
 119. Huang, H and **Federmeier, K. D.** (2012). ERP informative findings: Dispreferred adjective orders elicit brain responses associated with lexico-semantic rather than syntactic processing. *Journal of Cognitive Neuroscience, Supplement 1*, 143.
 120. Kandhadai, P., Wlotko, E. W., Giffin, L., and **Federmeier, K. D.** (2012). In search of meaning: Electrophysiological evidence of semantic processing in the cerebral hemispheres. *Journal of Cognitive Neuroscience, Supplement 1*, 172.
 121. Lee, C., Stites, M., and **Federmeier, K. D.** (2012). Mind the unselected meaning: Influences of semantic context on N400, sustained frontal negativity and reading times during ambiguity resolution. *Psychophysiology, 49, Supplement 1*, S17.
 122. Scudder, M., Raine, L., Direito, A., Boyd, J., **Federmeier, K. D.**, and Hillman, C. (2012). Aerobic fitness and semantic processing during sentence reading in 9-10 year old children. *Journal of Cognitive Neuroscience, Supplement 1*, 171.
 123. Scudder, M. R., **Federmeier, K. D.**, Raine, L. B., Direito, A., Boyd, J., and Hillman, C. H. (2012). The association between aerobic fitness and semantic processing in children. *Psychophysiology, 49, Supplement 1*, S89.
 124. Stites, M., Lee, C., **Federmeier, K. D.**, and Stine-Morrow, E. (2012). Effect of efficient fronto-temporal circuitry on lexical ambiguity resolution: Converging evidence from cross-age comparisons in eye-tracking and ERP data. *Journal of Cognitive Neuroscience, Supplement 1*, 210.
 125. Stites, M. C. and **Federmeier, K. D.** (2012). Subsequent to suppression: Downstream

- comprehension consequences of noun/verb ambiguity. *Psychophysiology*, 49, Supplement 1, S79.
126. Wlotko, E. W., **Federmeier, K. D.**, Fabiani, M., and Gratton, G. (2012). The event-related optical signal (EROS) reveals patterns of hemispheric processing during language comprehension. *Journal of Cognitive Neuroscience*, Supplement 1, 239.
 127. Wlotko, E. W., **Federmeier, K. D.**, Fabiani, M., and Gratton, G. (2012). The event-related optical signal (EROS) provides a spatio-temporal and functional connectivity study of cortical responses during language comprehension. Poster presented at the 4th annual Neurobiology of Language Conference.
 128. Awni, H. Norton, J. S., Umunna, S., **Federmeier, K. D.**, and Bretl, T. (2013). Towards a brain computer interface based on the N2pc Event-Related Potential. Poster presented at the 6th International IEEE EMBS Conference on Neural Engineering.
 129. Coronel, J. C. and **Federmeier, K. D.** (2013). Eye movements and gender political stereotyping. Paper presented at the Annual Midwest Political Science Association National Conference, April 12-15.
 130. Dickson, D. S., Fischer-Baum, S, and **Federmeier, K.D.** (2013). ERP effects of frequency and regularity are modulated by task demands: Evidence from categorization and delayed reading aloud. Poster presented at the 5th annual Neurobiology of Language Conference.
 131. **Federmeier, K. D.** (2013). Many structures from the same blocks: Language processing dynamics in the two cerebral hemispheres. *Journal of Cognitive Neuroscience*, Supplement 1, 17.
 132. Fischer-Baum, S., Dickson, D. S., and **Federmeier, K. D.** (2013). Are frequency and regularity effects task-dependent? Evidence from ERPs. *Journal of Cognitive Neuroscience*, Supplement 1, 46.
 133. Huang, H and **Federmeier, K. D.** (2013). The right to image: Hemispheric differences in the use of context and mental imagery to build meaning from words. Poster presented at the 5th annual Neurobiology of Language Conference.
 134. Khalifian, N., **Federmeier, K. D.**, and Laszlo, S. (2013). An event-related potential investigation of individual differences in word recognition. *Abstracts of the Psychonomic Society*, Volume 18, 184.
 135. Lee, C., Huang, H., **Federmeier, K. D.**, and Buxbaum, L. (2013). ERPs reveal faster activation of grasp than skilled use information during object processing. *Journal of Cognitive Neuroscience*, Supplement 1, 53.
 136. Ning, L., Huang, H., and **Federmeier, K. D.** (2013). Hemispheric asymmetry in imagery processing that links to language: An event-related potential study. *Journal of Cognitive Neuroscience*, Supplement 1, 106.

137. Stites, M, and **Federmeier, K. D.** (2013). Solid as a rock the boat: How aging affects downstream comprehension following lexical ambiguity resolution. *Journal of Cognitive Neuroscience, Supplement 1*, 252.
138. Wlotko, E.W., **Federmeier, K. D.**, and Kutas, M. (2013). Event-related potentials reveal right hemisphere contributions to language comprehension in younger and older adults. *Psychophysiology, 50, Supplement 1*, S130.
139. **Federmeier, K. D.** and Wlotko, E. W. (2014). Better or worse than expected? ERPs reveal dynamic modulation of predictive processing mechanisms during language comprehension. *Journal of Cognitive Neuroscience, Supplement 1*, 26.
140. Kumar, M., **Federmeier, K. D.**, Fei-Fei, L., and Beck, D. M. (2014). Evidence for a common semantic representation for pictures and words. *Journal of Cognitive Neuroscience, Supplement 1*, 147.
141. Kumar, M., **Federmeier, K. D.**, Fei-Fei, L., and Beck, D. M. (2014). Visual and semantic representations of scenes. *Journal of Vision, 14*, 1126.
142. Lucas, H. D., Hubbard, R., Abusager, K., and **Federmeier, K. D.** (2014). An ERP investigation of the formation of unitized memory representations of arbitrary word pairs. *Society for Neuroscience Abstracts, 30*, 741.19.
143. Stites, M. C., **Federmeier, K. D.**, and Christianson, K. (2014). Eye-tracking and event-related potential effects of transposed letters during compound word comprehension: Do morphemes matter? *Journal of Cognitive Neuroscience, Supplement 1*, 143.
144. Dickson, D. S. and **Federmeier, K. D.** (2015). $6 \times 3 = \dots 20$? Event-related potentials reveal hemispheric differences and similarities in processing of mathematical facts. *Journal of Cognitive Neuroscience, Supplement 1*, 200.
145. Dickson, D. S. and **Federmeier, K. D.** (2015). Hemispheric differences in mathematical expression processing: Event-related potentials expose differences in when and how the hemispheres appreciate answer types. *Psychophysiology, 52, Supplement 1*, S29.
146. Dickson, D. S. and **Federmeier, K. D.** (2015). The language of arithmetic across the hemispheres: An event-related potential investigation. *Abstracts of the Psychonomic Society, Volume 20*, 249.
147. **Federmeier, K. D.**, Stites, M. C., and Wlotko, E. W. (2015). Do sentential constraint and word expectancy exert separable effects on eye movements during reading? *Journal of Cognitive Neuroscience, Supplement 1*, 48.
148. Hubbard, R. J. and **Federmeier, K. D.** (2015). Predictors and characteristics of word stem completion. *Abstracts of the Psychonomic Society, Volume 20*, 214.
149. Hubbard, R. J., Rommers, J., Jacobs, C. L., and **Federmeier, K. D.** (2015). Effects of expectedness and sentential constraint on memory for words: Behavioral and electrophysiological evidence. *Psychophysiology, 52, Supplement 1*, S81.

150. Hubbard, R. J., Rommers, J., Jacobs, C. L., and **Federmeier, K. D.** (2015). Electrophysiological predictors of successful memory during encoding of sentential information vary based on constraint and predictability. Poster presented at the 7th annual Society for the Neurobiology of Language Conference.
151. Kumar, M., Zhang, Y., Beck, D. M., and **Federmeier, K. D.** (2015). Scene categorization: The good, the bad, and the early. *Journal of Cognitive Neuroscience, Supplement 1*, 86.
152. Kumar, M., Zhang, Y., Beck, D. M., and **Federmeier, K. D.** (2015). Scene categorization: The good, the bad, and the early. *Psychophysiology, 52, Supplement 1*, S81.
153. Kumar, M., Zhang, Y., Beck, D. M., and **Federmeier, K. D.** (2015). Scene categorization: The good, the bad, and the early. *Journal of Vision, 15*, 582. doi: 10.1167/15.12.582
154. Leckey, M. and **Federmeier, K. D.** (2015). Age-related shifts in hemispheric dominance for syntactic processing. *Journal of Cognitive Neuroscience, Supplement 1*, 45.
155. Leckey, M. and **Federmeier, K. D.** (2015). Age-related shifts in hemispheric dominance for syntactic processing. *Psychophysiology, 52, Supplement 1*, S26. **(Student Poster Award winner)**
156. Leckey, M., Lee, C., and **Federmeier, K. D.** (2015). The role of familial sinistrality on hemispheric differences in syntactic processing across the lifespan. Poster presented at the 7th annual Society for the Neurobiology of Language Conference.
157. Ng, S., **Federmeier, K. D.**, and Stine-Morrow, E. A. L. (2015). Use of contextual information and prediction in reading by low-literate adults: an ERP and reading time study. Poster presented at the 7th annual Society for the Neurobiology of Language Conference.
158. Payne, B. R. and **Federmeier, K. D.** (2015). Pace yourself: Intra-individual variability in context use revealed by self-paced event-related brain potentials. *Psychophysiology, 52, Supplement 1*, S29.
159. Payne, B. R., Lee, C., and **Federmeier, K. D.** (2015). Single-word event-related brain potentials reveal multiple effects of sentential context on lexical processing. *Abstracts of the Psychonomic Society, Volume 20*, 267.
160. Payne, B. R., Stites, M. C., and **Federmeier, K. D.** (2015). Out of the corner of my eye: Event-related potentials reveal effects of foveal load on parafoveal word processing in reading. *Journal of Cognitive Neuroscience, Supplement 1*, 159.
161. Payne, B., Stites, M. C., and **Federmeier, K. D.** (2015). Risky readers? Event-related brain potentials reveal age-related changes in the recruitment of parafoveal visual attention in reading. Poster presented at the 7th annual Society for the Neurobiology of Language Conference.
162. Rommers, J., Dickson, D. S., Norton, J. J. S., Wlotko, E., W., and **Federmeier, K. D.**,

- (2015). Frontal theta and disconfirmed predictions in the language domain. *Psychophysiology*, 52, Supplement 1, S93.
163. Rommers, J., Dickson, D. S., Norton, J. J. S., Wlotko, E., W., and **Federmeier, K. D.**, (2015). Frontal theta and disconfirmed predictions. Poster presented at the 7th annual Society for the Neurobiology of Language Conference.
164. Rommers, J., Dickson, D. S., Norton, J. J. S., Wlotko, E., W., and **Federmeier, K. D.**, (2015). Frontal theta and disconfirmed predictions in language. *Abstracts of the Psychonomic Society, Volume 20*, 193.
165. Smith, C. and **Federmeier, K. D.** (2015). Downstream processing consequences of sentential concreteness. *Journal of Cognitive Neuroscience, Supplement 1*, 191.
166. Smith, C. and **Federmeier, K. D.** (2015). N400 modulation profile across sentential contexts informs time course of semantic activation during referential processing. Poster presented at the 7th annual Society for the Neurobiology of Language Conference.
167. Steen, A., Ng, S., Payne, B. R., **Federmeier, K. D.**, and Stine-Morrow, E. A. L. (2015). Use of contextual constraint among adult readers varying in age and literacy skill. Poster presented at the American Psychological Association Annual Convention, Aug. 6-9.
168. Stites, M. C., Payne, B. R., and **Federmeier, K. D.** (2015). Getting ahead of yourself: Parafoveal word expectancy modulates the N400 during sentence reading. *Journal of Cognitive Neuroscience, Supplement 1*, 76.
169. Dickson, D. and **Federmeier, K. D.** (2016). Symbolic number recognition across tasks: An event-related potential study of the effect of incidental repetition. *Journal of Cognitive Neuroscience, Supplement 1*, 250.
170. Hubbard, R. J. and **Federmeier, K. D.** (2016). An electrophysiological investigation of the effects of expectedness, sentential constraint, and plausibility on memory for words. *Psychophysiology*, 53, Supplement 1, S21. **(Student Poster Award winner)**
171. Leckey, M. and **Federmeier, K. D.** (2016). Right hemisphere effects of grammaticality and probability: An ERP investigation. *Journal of Cognitive Neuroscience, Supplement 1*, 204.
172. Leckey, M. and **Federmeier, K. D.** (2016). The role of the right hemisphere in the processing of lexically marked syntactic violations. *Psychophysiology*, 53, Supplement 1, S90.
173. Leckey, M., Hubbard, R. J., and **Federmeier, K. D.** (2016). Probability, semantics, syntax, memory: Within subjects comparisons of late positive potentials. Poster presented at the 8th annual Society for the Neurobiology of Language Conference.
174. Lucas, H. D., Gupta, R. S., Hubbard, R. J., and **Federmeier, K. D.** (2016). An ERP study of adult age differences in the use of self-directed conceptual combination to construct unitized memory representations. *Journal of Cognitive Neuroscience, Supplement 1*, 96.

175. Ng, S. Payne, B. R., Stine-Morrow, E. A. L., and **Federmeier, K. D.** (2016). Use of contextual information to facilitate semantic processing in reading and listening by lower literate adults. Paper presented at the 29th annual CUNY Conference on Human Sentence Processing, March 3-5.
176. Payne, B. R. and **Federmeier, K. D.** (2016). Pace yourself: Intraindividual variability in context use revealed by self-paced event-related brain potentials. *Journal of Cognitive Neuroscience, Supplement 1*, 131.
177. Payne, B. R. and **Federmeier, K. D.** (2016). As far as the eye can see: Event-related brain potentials reveal dynamics of visuospatial attention allocation during reading. *Psychophysiology, 53, Supplement 1*, S35.
178. Rommers, J. and **Federmeier, K. D.** (2016). Downstream repetition effects reveal a lack of episodic traces for predictable words. Paper presented at the 29th annual CUNY Conference on Human Sentence Processing, March 3-5.
179. Rommers, J. and **Federmeier, K. D.** (2016). Downstream repetition effects reveal impoverished representations for predictable words. *Psychophysiology, 53, Supplement 1*, S34.
180. Rommers, J., Hubbard, R. J., and **Federmeier, K. D.** (2016). Effects of sentential constraint and expectancy on subsequent memory in older adults. *Journal of Cognitive Neuroscience, Supplement 1*, 132.
181. Smith, C. and **Federmeier, K. D.** (2016). Trait vividness and task demands shape online engagement of semantic processes in sentence comprehension and word recognition. Paper presented at the 29th annual CUNY Conference on Human Sentence Processing, March 3-5.
182. Smith, C. and **Federmeier, K. D.** (2016). Task and trait influences on word comprehension. *Journal of Cognitive Neuroscience, Supplement 1*, 202.

Invited Addresses

Society for Psychophysiology 56 th Annual Meeting, invited symposium, "The present as the past's future: Early career award winners, where are they now?"	2016
Society for Psychophysiology 55 th Annual Meeting, invited symposium, "A multi-faceted electrophysiological lens on the dynamics of language comprehension"	2015
Max Planck Institute for Psycholinguistics, Nijmegen	2015
Neurophysiological Methods for Language and Perception Workshop, Marie Curie International Training Network; hosted by Saarland University	2015
Distinguished Speakers in Language Science, Saarland University	2015
Department of Psychology, Northwestern University	2015

Keynote speaker for the 7 th Conference on Language, Discourse, and Cognition, Taiwan	2014
Department of Psychology, National Taiwan University	2014
Department of Psychology, South China Normal University	2014
Department of Psychology, SUNY Binghamton	2014
Cognitive Neuroscience Society 20 th Anniversary Meeting, invited symposium, "Building Blocks for Language," San Francisco, CA	2013
Keynote speaker for "Mayfest 2013 -- Linguistically Predictable: When, How, and Why Do We Predict in Language," Department of Linguistics, University of Maryland	2013
Keynote speaker for the "Modern Brains: Literary Studies and the Cognitive Sciences" conference, held by the British Modernities Group, University of Illinois	2012
Department of Biology, University of Texas San Antonio	2011
Department of Psychology, Tufts University	2011
Department of Psychology, University of Pittsburgh	2010
Cognitive Neuroscience Society, Young Investigator Award address, Montreal, Canada	2010
Center for Research in Language, University of California, San Diego	2009
Department of Cognitive Science, University of California, San Diego	2009
Medical School, Northwestern University	2008
Presidential Symposium, Society for Psychophysiological Research, Austin, TX	2008
Presidential Symposium, Society for Psychophysiological Research, Savannah, GA	2007
Cognitive Neuroscience Society meeting, satellite symposium, "Unraveling the mysteries of meaning in the brain: Contextual cues to language comprehension," San Francisco, CA	2006
Department of Linguistics, University of Maryland	2006
Society for Psychophysiological Research, Award for Distinguished Early Career Contributions to Psychophysiology address, Vancouver, Canada	2006
Beckman Institute Director's Seminar, University of Illinois, Urbana-Champaign	2005
Second Annual Summer Institute in Cognitive Neuroscience, Taipei, Taiwan	2005
Department of Psychology, University of Chicago	2004
Department of Cognitive Science, University of California, San Diego	2004
Department of Psychology, University of California, Riverside	1999

Interviews and Media Coverage

“Art, tech, and rock n’ roll,” Innovation Hub, March 21, 2014

<http://blogs.wgbh.org/innovation-hub/2014/3/21/art-tech-and-rock-n-roll/>

“The truth about the left brain / right brain relationship,” NPR, December 2, 2013

<http://www.npr.org/templates/archives/archive.php?thingId=248090085>

Interview with the Society for Psychophysiological Research, 2008

<http://www.sprweb.org/student/interviews/interviewkfedermeier08.cfm>

Interview with the Department of Cognitive Science, University of California, San Diego, 2008

<http://www.cogsci.ucsd.edu/alumni/alumni-of-the-month/7/>

Professional Affiliations

Association for Psychological Science

Cognitive Neuroscience Society

Psychonomic Society

Society for the Neurobiology of Language

Society for Psychophysiological Research

Teaching Experience

Creator and instructor, UIUC Psychology 450, “Cognitive Psychophysiology” (mixed undergraduate and graduate course)	2004, 2005, 2006, 2008, 2010, 2011, 2013, 2015, 2016
Instructor, UIUC Psychology 224, “Introduction to Cognitive Psychology” (undergraduate course)	2002, 2003, 2004, 2005, 2006, 2007, 2008, 2010, 2011, 2012, 2015, 2016
Co-Instructor, UIUC Neuroscience 598, “Introduction to Neuroscience”, Human Language section (graduate core course)	2016
Event-related potential workshop (6 lecture series), National Taiwan University	2014
Creator and instructor, UIUC Psychology 593 “Language and Attention” (graduate seminar)	2013
Creator, instructor, and coordinator, “Only as old as you think you are? Cognition and personality across the lifespan” (UIUC Osher Lifelong Learning Institute course for senior citizens)	2009
Co-creator and instructor, “Mind Reading: Understanding our behavior and our brains through Cognitive Science” (UCSD Academic Connections extension course for high school students)	2001

Co-creator and instructor, UCSD Cognitive Science 179, "Electrophysiology of Cognition" (undergraduate course) 2000

Mentoring, Postdoctoral Researchers

Current

Trainee Name	Dates of Training	Prior Degree	Prior Degree Year	Prior Degree Institution	Title of Research Project	Source of Support
Kleinman, Daniel	2015 -	Ph.D.	2015	University of California, San Diego	Prediction and production in language	Beckman Postdoctoral Fellowship
Lucas, Heather	2012 -	Ph.D.	2012	Northwestern University	Neural markers of memory impairment; aging and task effects in memory	Beckman Postdoctoral Fellowship
Ng, Shukhan	2014 -	Ph.D.	2008	City University of New York	ERP and eyetracking studies of adult literacy learners	IES R305A130448
Payne, Brennan	2014 -	Ph.D.	2014	University of Illinois	Age-related changes in reading processes	NIH AG026308
Rommers, Joost	2014 -	Ph.D.	2013	Max Planck Institute for Psycho-linguistics	Prediction in language comprehension: mechanisms and consequences	NIH AG026308
Yoon, Si On	2016 -	Ph.D.	2016	University of Illinois	Mechanisms of social-pragmatic language use	Beckman Postdoctoral Fellowship

Past

Trainee Name	Dates of Training	Prior Degree	Prior Degree Year	Prior Degree Institution	Title of Research Project	Current Position
Boyd, Jeremy	2009 - 2011	Ph.D.	2007	University of California, San Diego	ERP studies of language learning and structural priming	Research Associate, University of California, San Diego
Coronel, Jason	2012 - 2013	Ph.D.	2012	University of Illinois	Neural and cognitive bases of memory and decision making	Assistant Professor, School of Communication, The Ohio State University

Fischer-Baum, Simon	2010-2012	Ph.D.	2010	Johns Hopkins University	ERP studies of task effects on word recognition	Assistant Professor, Department of Psychology, Rice University
Gutchess, Angela	2004 - 2005	Ph.D.	2004	University of Michigan	ERP studies of aging effects on memory encoding and retrieval	Associate Professor, Department of Psychology, Brandeis University
Huang, Hsu-wen	2009 - 2012	Ph.D.	2009	National Yang-Ming University	ERP studies of hemispheric differences in word processing in younger and older adults	Assistant Professor, Department of Linguistics and Translation, City University of Hong Kong
Meyer, Aaron	2005 - 2008	Ph.D.	2005	University of Missouri, Columbia	ERP and eyetracking studies of lexical ambiguity resolution	Research Associate, Center for Aphasia Research and Rehabilitation, Georgetown University
Voss, Joel	2008 - 2012	Ph.D.	2007	Northwestern University	ERP, fMRI, and patient studies of conceptual priming and memory	Assistant Professor, Department of Medical Social Sciences, Northwestern University Feinberg School of Medicine
Wlotko, Edward	2009 - 2012	Ph.D.	2009	University of Illinois	ERP and EROS studies of hemispheric contributions to sentence processing	Institute Scientist, Moss Rehabilitation Research Institute

Mentoring, Graduate Students

Current

Trainee Name	Dates of Training	Prior Degree	Prior Degree Year	Prior Degree Institution	Title of Research Project	Source of Support
Hubbard, Ryan	2011 -	B.S.	2010	University of California, Davis	Memory for words in sentences	NIH AG026308

Kumar, Manoj	2012 -	M.S.	1999	Yale University	fMRI and ERP studies of scene processing and semantic representations	NIH AG026308
		B.S.	1992	Benares Hindu University		
Lai, Melinh	2016 -	B.A.	2015	Rutgers University	Consequences of predictive processing i	NIH AG026308
Leckey, Michelle	2012 -	B.Sc.	2011	Queens University Belfast (Psychology)	Individual and hemispheric differences in syntactic processing	NIH AG026308
		B.Sc.	2006	Lancaster University (Biological Sciences),		
Smith, Cybelle	2013 -	B.A.	2011	Stanford University	Referential processing and prediction	Neuroengineering IGERT; NSF Predoctoral Fellowship

Past

Trainee Name	Dates of Training	Prior Degree	Prior Degree Year	Prior Degree Institution	Title of Thesis	Current Position
Coronel, Jason	2005 - 2012	B.A.,	2003,	DePaul University	Memory and voting: Neuropsychological and electrophysiological investigations of voters remembering political events	Assistant Professor, School of Communication, The Ohio State University
		M.Sc.	2004	London School of Economics and Political Science		
Dickson, Danielle	2010 - 2016	B.S.	2007	University of California, San Diego	On the meaning of numbers: Flexibility in the structure and retrieval of memories for Arabic numerals	Postdoctoral Researcher, Department of Biology, University of Texas at San Antonio
Evans, Karen	2003 - 2009	B.A.	2003	Kenyon College	Verbal memory through the looking glass: the impact of encoding strategy, age, and hemispheric biases on memory for physical form	Design Researcher, Microsoft

Hannula, Deborah	2002 - 2005	B.S.	1998	University of Washington	Memory, amnesia, and the hippocampal system: The time course and neural substrates of relational (declarative) memory	Assistant Professor, Department of Psychology, University of Wisconsin, Milwaukee
Kandhadai, Padmapriya	2004 - 2009	B.Tech, M.S.	2001, 2004	Pondicherry Engineering College, Virginia Polytechnic Institute	Meaning apprehension in the cerebral hemispheres	Research Associate, Department of Psychology, University of British Columbia
Laszlo, Sarah	2004 - 2009	B.S.	2004	MIT	Filters, neighbors, and triangles: A behaviorally and electrophysiologically informed perspective on visual word recognition	Associate Professor, Department of Psychology, SUNY Binghamton
Lee, Chia-lin	2004 - 2010	B.A., M.A.	1998, 2002	National Taiwan Normal University	Electrophysiological investigations of lexical ambiguity resolution	Assistant Professor, Graduate Institute of Linguistics, National Taiwan University
Matzen, Laura	2003 - 2008	B.A.	2003	Rice University	Influences of semantic and surface form information on memory, false memory, and reminding	Research Scientist, Sandia National Laboratory
Stites, Mallory	2009 - 2014	B.S.	2009	Truman State University	An investigation of how multiple sources of information are integrated during on-line reading	Senior Member of Technical Staff, Sandia National Laboratory
Wlotko, Edward	2004 - 2009	B.S.	2002	University of Pittsburgh	Individual and joint contributions of the cerebral hemispheres to language comprehension	Institute Scientist, Moss Rehabilitation Research Institute

Dissertation Committees

Jacobs, Cassandra	in prog	Remembering that you read "doctoral dissertation:" Part and whole frequency effects on recognition and recall of multiword sequences
Norton, James	in	Steady-state visual evoked potentials (SSVEP) and their application to

	prog	brain-computer interfacing (BCI)
Divis, Kristen	2016	The influence of intervening tasks on memory
Ryskin, Rachel	2016	Efficient language processing: The role of memory and visuo-spatial context
Scudder, Mark	2016	Success in reading ... What's the meaning? The relationship between changes in children's aerobic fitness and language processing
Street, Whitney	2016	Reference frame definition, use, and interaction in spatial memory
Jin, Kyong-sun	2015	The role of syntactic and discourse information in verb learning
Woroch, Brion	2015	Investigations of the neural basis of source memory strength
Lukyanenko, Cynthia	2014	Coming to agreement: Representation and processing of English subject-verb agreement in acquisition
Moore, Robert Davis	2014	The influence of pediatric concussion on cognitive control and neuroelectric function
Payne, Brennan	2014	Verbal working memory training and language comprehension in older adulthood
Windsor, Matt	2014	Catching the mind's eye: The effect of internal distraction on external attention
Blackburn, Angélique	2013	<i>Department of Biology, University of Texas at San Antonio</i> The effects of code-switching on inhibitory control in language and nonlanguage domains
Trude, Alison	2013	Talker-specific adaptation: How listeners learn and use indexical information during speech processing
Yao, Richard	2013	The flick of the wrist and the wave of the wand: Low-level mechanisms of change blindness
Fraundorf, Scott	2012	What happened (and what didn't): Prominence promotes representation of salient alternatives in discourse
Kittredge, Audrey	2012	Immediate transfer of learning from speech perception to speech production
Lam, Tuan	2012	The prominence of referring expressions: Message and lexical level effects
Qi, Zhenghan	2012	Verb bias learning in children and adults: Evidence for neurocognitive plasticity
Yee, Lydia	2012	Medial temporal lobe and prefrontal cortex contributions to memory expressed on short time scales
Jones-Higgins, Erin	2011	Comparing comparisons in category learning
Sass, Sarah	2010	The time course of attentional bias in anxiety
Leshikar, Eric	2009	The effects of age and culture on default network function: Frontal compensation with age; modulation differences across culture
Levin, Rebecca	2009	Time course of regional brain activity associated with top-down attentional control in depression
Yuan, Sylvia	2009	Integrating sentence-structural and event information in early verb

		learning
Diaz, Michael	2008	Assessing the relationship between item recognition and source memory using multivariate signal detection theory
Leaver, Echo	2008	Aging and cognitive control: Hemispheric differences and white matter integrity
Stewart, Jenny	2008	Cognitive control as a function of anger expression style: A combined ERP and fMRI investigation
Buck, Sarah	2007	The relationship between aerobic fitness and the attentional networks in healthy preadolescent children
Fisher, Joscelyn	2006	Neural correlates of suspiciousness in anxiety and depression during emotional processing
Herrington, John	2006	Emotion, depression, and asymmetric brain function
Wilson, Michael	2006	Great (syntactic) expectations: Multiple structures and the case for parallelism in language processing
Onishi, Kristine	2004	Infants' understanding of goal directed behavior

Other Committees

Qualification Exam

Carol Baym (2010), Mariana Aparicio Betancourt (2013), Sarah Buck (2006), Michael Diaz (2006), Xuefei Gao (2010), Deborah Hannula (2003), Kelsey Hassevort (2015), Ariel James (2014), Erin Jones (2011), Eric Leshikar (2006), Brian Lin (2007), Cynthia Lukyanenko (2013), Laura Matzen (2006), Karla Melendez (2005), Robert Davis Moore (2013), James Norton (2015), Iris Price (2007), Lisa Rosenfelt (UCSD: 2010), Rachel Ryskin (2013), John Walker (2015), Brion Woroch (2012), Si On Yoon (2013)

First Year Project and Master's Thesis

Nicole Craycraft (2015), Michael Diaz (2003), Sarah Dilks (2004), Xuefei Gao (2008), Deborah Hannula (2003), Ryan Hubbard (2013), Angela Isaacs (2008), Ariel James (2012), Erin Jones (2010), Yuta Katsumi (2014), Suhkyung Kim (2014), Alex Konkel (2006), Manoj Kumar (2012), Eric Leshikar (2005), Laura Matzen (2004), James Norton (2011), Jason Sullivan (2004), Kacey Wochna (2012)

Mentoring, Undergraduate Students

Supervision of Undergraduate Research Projects

Coffel, Melissa	in prog	Psychology Distinction Project: Assessing the role of attention in language processing: Relationship between pupil size and late positive potentials in the ERP
Gupta, Resh	2015	Psychology Distinction Project: The effect of unitization on associative memory in younger and older adults Won the Department of Psychology Michael Coles Award <i>Currently a graduate student in the Neuroscience Program, Vanderbilt University</i>

Strojewska, Agnes	2014	Psychology Distinction Project: Use of eyetracking to analyze effects of word expectancy and sentential constraint on natural reading Won Outstanding Research Poster in the Education division, UIUC Undergraduate Research Symposium <i>Currently a graduate student in the School of Labor and Employment Relations, University of Illinois</i>
Zhang, Yanqi	2014	Psychology Distinction Project: Event-related potentials reveal the source of scene processing effects
DeJong, Antoine	2012	Psychology Honors Project: Automatic and controlled accounts of hemispheric differences in lexical association and processing
Frost, Daniel	2011	Psychology Honors Project: Event-related brain potential investigation of semantic access and memory for emotionally-valenced and neutral words Won the Department of Psychology Emanuel Donchin Award <i>Currently a graduate student in the Department of Cognitive Science, University of California, San Diego</i>
Gratton, Caterina	2008	Psychology Honors Project: In whole or in part? An ERP analysis of global/local processing asymmetries with naturalistic objects Won the Department of Psychology Michael Coles Award <i>Currently a postdoctoral researcher in the Department of Neurology, Washington University</i>
Adesida, Oluwayemisi	2006	Summer Research Opportunities Program (SROP) project: Left and right hemispheric differences in memory for word information
Sutherland, Kristen	2005	Psychology Distinction project: Hemispheric differences in language processing: The word superiority effect

Independent Study Students

Justin Abdel-khalik (2004)	Matthew Brandenburg (2014)	Yifei Du (2010-2011)
Rosebelle Adorable (2005-2006)	Michael Budianto (2015-2016)	Andrea Dudley (2007)
Nabeel Ahmed (2005-2006)	Abra Brower (2009-2010)	Jennifer Dulek (2006-2007)
Elizabeth Akanbi (2011)	Hillary Buller (2009)	Elizabeth Dunn (2007)
Shawn Akridge (2010)	Dale Calewatts (2008-2009)	Shane Eack (2003)
Ashley Albrecht (2007)	Edward Cay (2009-2010)	Dawn Epstein (2005)
Rami Alsaqri (2014)	Nisha Chauhan (2011-2012)	Rebecca Field (2003)
Pablo Anaya (2008-2009)	Shi Chen (2010)	Alexander Figueroa (2013)
Renee Anderson (2007-2008)	Thomas Christl (2008-2009)	Nicholas Fischer (2013-2014)
Sarah Anderson (2005)	Melissa Coffel (2016)	Daniel Frost (2009-2010)
Haris Arshad (2014-2015)	Clarissa Coyle (2008)	Rollin George (2009)
Jessica Atkinson (2006)	Roxana Crasovan (2007-2008)	Kyle Gerst (2007-2008)
Hani Awni (2011)	Sean Cusick (2009)	Sarah Glazer (2010)
Sarah Baisley (2006)	Emily Dabe (2007-2008)	Jaimi Gollinger (2008-2009)
Ian Barnes (2013)	Vivek Dave (2015-2016)	Maureen Gray (2014)
Chelsea Belden (2007)	Rachel Day (2008)	Resh Gupta (2013-2015)
Brady Bergschneider (2011)	Antoine DeJong (2010)	Shruti Gupta (2005-2006)
Jessie Bower (2009)	Pilar Angeline De Leon (2008)	Tripta Gupta (2005)
Rachel Boyd (2011)	Cynthia Donati (2010)	Megan Gushurst (2007)

Andrew Ha (2008)	Hayley Mellish (2012)	Johan Saelens (2014)
Michael Haberkamp (2010)	Rachel Mikolaitis (2005)	Tia Schoth (2002-2003)
Alex Harness (2006-2007)	Bridget Milligan (2009)	Scott Schulfer (2006)
Derek Hashimoto (2008)	Amanda Morse (2005)	Benjamin Schmitt (2015)
Michael Hawn (2006)	Sarah Murphy (2007)	Jacqueline Sebek (2004)
Katherine Heun (2008-2010)	Daria Niescierowicz (2015)	Emily Selen (2006-2007)
Jennifer Hildago (2009-2010)	Anindiati Nurhapsari (2010-2011)	Needhi Shah (2011)
Sean Hsu (2007)	Bryan Oh (2006)	Sagar Shah (2008-2009)
LaTanya Hutsona (2013)	Ryan Overmeyer (2008)	Sanket Shah (2004-2005)
Zoya Hussain (2010-2011)	Kathleen Oyama (2010)	Shilpy Singh (2010-2011)
Roveiza Irfan (2007)	Tayana Panova (2012)	Meghan Skotnicki (2009)
Kristen Jackson (2003-2005)	Sana Pardesi (2007)	Gordon Speagle (2007)
Christopher Jacobson (2010)	Komal Patel (2009)	Lauren Stovall (2010)
Susie Kah (2006)	Neha Patel (2006)	Agnes Strojewska (2013)
Angela Kaplan (2003-2004)	Elizabeth Pletsch (2007)	Cassandra Sung (2005-2006)
Clyde Kaylor (2007)	Steven Pokornowski (2007)	Sean Swearingen (2008)
Komal Kenkare (2006-2007)	Angela Pronger (2006)	Danielle Then (2005)
Da Yae Keum (2011)	Matt Rambert (2003-2004)	Pearl Tsou (2006)
Anastasia Kidd (2005-2006)	Paul Ravenna (2006-2007)	Kaitlin Turner (2008-2010)
Edward Kim (2010-2011)	Shivani Reddy (2009)	Neha Vagadia (2015-2016)
Kasia Komperda (2007-2008)	Michael Redondo (2010)	Haq Wajjid (2006)
Jessica Kosapatti (2015-2016)	Sean Remai (2009)	Grzegorz Wajda (2014-2015)
Yarah Kudaimi (2012)	Edward Rice (2006)	Tai Wakabayashi (2015-2016)
Alexander Kurdi (2009)	Josh Richman (2005)	Junping Wang (2010)
Olivia Lang (2007)	Bradley Richmond (2009)	Jared Weingart (2012)
Megan Leino (2007-2009)	Thomas Romanow (2010)	Kyle Williams (2013)
Amanda Lipon (2008)	Jazmine Romero (2009)	Brent Wilson (2007-2008)
Matthew Lukitsh (2007-2008)	Daniel Rowan (2009)	Elaine Wu (2008)
Aubrey Lutz (2006)	Khadijat Rufai (2011)	Mariah Wu (2012-2013)
Lauren McArdle (2005)	Alexander Rusthoven (2010)	Weiqi Zhao (2011-2012)
Nirupma Mehrotra (2014)	Svetlana Sadovskaya (2015)	

Scientific Reviewing

Journal Editing

Associate Editor, *Psychophysiology* 2015 -

Editorial Boards

Cognitive, Affective, and Behavioral Neuroscience 2015 -
Brain and Language 2008 -
Journal of Experimental Psychology, Learning, Memory, and Cognition 2012 - 2013
Journal of Experimental Psychology, General 2009 - 2011
Journal of Memory and Language 2005 - 2011

Ad hoc Journal Reviews

<i>Acta Psychologia</i>	<i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i>
<i>Biological Psychology</i>	<i>Journal of Memory and Language</i>
<i>Biological Psychiatry</i>	<i>Journal of Neurophysiology</i>
<i>Brain and Cognition</i>	<i>Journal of Neuroscience</i>
<i>Brain and Language</i>	<i>Language and Cognitive Processes</i>
<i>Brain Research</i>	<i>Language and Linguistics Compass</i>
<i>Cerebral Cortex</i>	<i>Memory and Cognition</i>
<i>Clinical Neurophysiology</i>	<i>Nature Neuroscience</i>
<i>Cognition</i>	<i>Nature Reviews Neuroscience</i>
<i>Cognitive, Affective, and Behavioral Neuroscience</i>	<i>Neurobiology of Learning and Memory</i>
<i>Cognitive Brain Research</i>	<i>Neurocase</i>
<i>Cortex</i>	<i>Neuroimage</i>
<i>Developmental Cognitive Neuroscience</i>	<i>Neuron</i>
<i>Discourse Processes</i>	<i>Neuropsychologia</i>
<i>Emotion</i>	<i>Neuropsychology</i>
<i>EUASIP Journal on Audio, Speech, and Music Processing</i>	<i>Perspectives on Psychological Science</i>
<i>Frontiers in Language Sciences</i>	<i>Psychonomic Bulletin and Review</i>
<i>Human Brain Mapping</i>	<i>Psychological Review</i>
<i>International Journal of Psychophysiology</i>	<i>Psychological Science</i>
<i>Journal of Cognitive Neuroscience</i>	<i>Psychophysiology</i>
<i>Journal of Experimental Psychology: General</i>	<i>Social, Cognitive, and Affective Neuroscience</i>
	<i>Trends in Cognitive Science</i>

Ad hoc Grant Reviews

Agence Nationale de la Recherche, Humanities and Social Science
 Alberta Heritage Foundation for Medical Research
 National Institute of Health, Language and Communication (LCOM) Study Section
 National Science Foundation, Cognitive Neuroscience Section
 National Science Foundation, Linguistics Section
 Natural Sciences and Engineering Research Council of Canada

Professional Service

Offices and Committees in Professional Societies

President-Elect, Society for Psychophysiological Research	2016 - 2017
Distinguished Contributions to Psychophysiology Awards Committee, SPR	2016 - 2017
Nominating Committee, Society for Psychophysiological Research	2014 - 2016

Outreach Committee, Society for Psychophysiological Research	2013 - 2016
Early Career Award Committee, Society for Psychophysiological Research	2008 - 2012
Board of Directors, Society for Psychophysiological Research	2008 - 2011
Program Committee, Society for Psychophysiological Research	2008
Education and Training Committee, Society for Psychophysiological Research	2003 - 2005
Program Committee, Society for Psychophysiological Research	2003

University and Departmental Service

Co-chair of the Intelligent Systems Major Research Theme, Beckman Institute	2016 -
Steering committee, Social and Behavioral Sciences Research Initiative	2016 -
Co-leader of the Illinois Language and Literacy Initiative (ILLI), Beckman Institute	2015 -
University Scholars Selection Committee	2016 - 2017
Promotion Committee (to Full), Department of Psychology	2016 - 2017
College of Liberal Arts and Sciences Honors Council	2015 - 2017
Promotion Committee (to Full), Department of Educational Psychology	2015 - 2016
Promotion Committee (to Associate), Department of Psychology	2015 - 2016
Department Head Search Committee, Department of Psychology	2015 - 2016
Graduate Education Committee, Department of Psychology	2014 - 2017
Interdisciplinary Working Group for the Social and Behavioral Sciences	2014 - 2016
Co-Program Director, NIDCD Language Processing Training Program	2014 - 2015
Cognitive Neuroscience Search Committee, Department of Psychology	2014 - 2015
Lanier lecture committee	2013 - 2017
Chair, Promotion Committee (to Associate), Department of Psychology	2013 - 2014
Cognitive Science of Learning, Educational Psychology search committee	2013 - 2014
Campus Strategic Plan Working Group	2013
Campus Research Board	2012 - 2015
Chancellor/Provost Faculty Consultation Group	2012 - 2013
Behavioral Neuroscience Search Committee, Department of Psychology	2012 - 2013
Promotion Committee (to Full), Department of Psychology	2012 - 2013
Co-leader of the HABITS (Health Attitudes, Biology, Information, Technology, Society) Initiative, Beckman Institute	2011 - 2014
Cognitive Division Head, Department of Psychology	2011 - 2013
Beckman Institute Associate Director of Administration Search Committee	2011

Provost's Faculty Advisory Group	2010 - 2012
Human Subjects Committee, Department of Psychology	2010 - 2011
Promotion Committee (to Associate), Department of Psychology	2010 - 2011
Seminar Series Committee, Neuroscience Program	2010 - 2011
Development Advisory Committee, Beckman Institute	2009 - 2011
Beckman Institute Director Search Committee	2008 - 2009
Chair, Human Subjects Committee, Department of Psychology	2008 - 2009
Executive Committee, Neuroscience Program	2008 - 2009
Psychology Career Night Panelist	2007 - 2009
Human Subjects Committee, Department of Psychology	2007 - 2008
Developmental Search Committee, Department of Psychology	2007 - 2008
Graduate Education Committee, Department of Psychology	2007 - 2008
Graduate Student Awards Committee, Department of Psychology	2005 - 2007
Brain & Cognition Division Admissions Committee, Department of Psychology	2004 - 2005
Brain Awareness Day Committee, Neuroscience Program	2004 - 2005
Cognitive Search Committee, Department of Psychology	2003 - 2005
Cognitive Division Admissions Committee, Department of Psychology	2003 - 2004