

CURRICULUM VITAE: 2012-2017

Karen Emmorey
Speech, Language, and Hearing Sciences
San Diego State University

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EDUCATION

University of California, Los Angeles	Ph.D.	1987	Linguistics
University of California, Los Angeles	M.A.	1984	Linguistics
University of California, Los Angeles	B.A.	1982	Linguistics, Psychology

EMPLOYMENT

San Diego State University	Distinguished Professor	2013 – present
San Diego State University	Professor	2005 – 2013
School of Speech, Language, and Hearing Sciences		
San Diego State University	Adjunct Professor	2006 – present
Department of Psychology		

HONORS

Chair, Linguistics Section of the AAAS	2013-15
Distinguished Professor, SDSU	2013

DISTINGUISHED SERVICE

Member of the Advisory Board for:

Center for Deafness, Language, and Cognition (DCAL), London	2005 – 2016
Center for Language Science, Penn State	2007 – present
Language in Interaction, MPI, Nijmegen	2015 – present

Member of the Board of Directors for SDSU Research Foundation 2007 – 2017

Associate Editor for:

<i>Journal of Deaf Studies and Deaf Education</i>	2001 – present
<i>Language</i>	2013 – 2016

Member of the Editorial Board for:

<i>Language, Cognition, and Neuroscience</i>	2014 – present
<i>Journal of Neurolinguistics</i>	2014 – present
<i>Bilingualism: Language and Cognition</i>	2013 – present
<i>Sign Language Studies</i>	1998 – present
<i>Sign Language & Linguistics</i>	2000 – present

Representative of the Linguistic Society of America & the American Psychological Association to AAAS	2006 – 2017 2012 – 2017
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Honorary Lectures (selected)

International Congress for the Education of the Deaf Athens, Greece	2015
Registry of Interpreters for the Deaf, Keynote, San Diego	2014
International Congress of Linguistics, Keynote Geneva, Switzerland	2013
Albert W. Johnson Distinguished Professor Lecture SDSU	2013
Distinguished Lecture at the National Science Foundation	2012

CURRENT FUNDED RESEARCH

National Science Foundation, BCS- 1625954, \$287,454 2016-2019

Collaborative Research: The structure of the ASL lexicon: Experimental and statistical evidence from a large lexical database (ASL-LEX)

Role: Principle Investigator

Purpose: The aims of this project are a) to create a large, searchable, and publically available database of ~2,500 ASL signs that contains information about subjective frequency, iconicity, and sign phonology (among other properties); b) to conduct the first quantitative analysis of phonological/phonetic patterns across the ASL lexicon; and c) to conduct experiments to determine the psychological reality of these phonological patterns.

National Institute of Health, R01 DC010997, \$1,966,731 2015-2020

Language, Modality, and the Brain

Role: Principal Investigator

Purpose: To determine the impact of lexical iconicity on language processing and its neural underpinnings and to investigate how production and perception are integrated for a visual-manual language.

National Institutes of Health, R01 DC014246, \$879,042 2014-2018

Neural associations between orthographic, fingerspelled, and signed representations (Aim 2)

Role: Principal Investigator

Purpose: To use electrophysiological measures to a) assess whether ASL signs are accessed when reading English and whether English words are accessed when processing ASL signs, and b) identify the similarities and differences between processing print and fingerspelling.

National Science Foundation, BCS-1439257, \$580,702 2014-2017

Assessing the neural dynamics of reading in deaf adults

Role: Principle Investigator

Purpose: To chart the time-course of visual word recognition using event-related potentials (ERPs), to characterize the nature of orthographic and phonological codes for skilled and less-skilled deaf readers, and to identify what factors (e.g., phonological awareness, spelling ability) predict variations in electrophysiological markers of different stages of visual word recognition.

National Institute of Health, R01 HD047736, \$2,005,185 2010-2015

Bimodal Bilingualism, currently under a no cost extension

Role: Principal Investigator

Purpose: To investigate the consequences of sign-speech or bimodal bilingualism from the perspectives of 1) the psycholinguistics of bilingualism, 2) the cognitive effects of bilingualism, and 3) structural and functional neural changes that accompany bilingualism.

COMPLETED RESEARCH PROJECTS

National Science Foundation, BCS 1154313, \$507,222 2012-2015

Processing orthographic structure: Associations between print and fingerspelling

Role: Principal Investigator (Dr. Jennifer Petrich, Co-Investigator)

Purpose: Using psycholinguistic and neuroimaging (fMRI) techniques, this project aims to a) understand how deaf adults represent printed English words and fingerspelled words and b) compare the neural regions that support single word reading for these different orthographies for deaf and hearing readers.

National Institute of Health, R01 DC010997, \$3,117,822 2010-2015

Language, Modality, and the Brain

Role: Principal Investigator

Purpose: Investigate (a) the effects of modality on language production (b) the interplay between visual-gestural language and visual-spatial cognition, and (c) the functional neural organization of sign language.

National Science Foundation, SBE 0541953, \$132,000 2008-2013

A Science of Learning Center in Visual Language and Visual Learning (VL2)

Director: Thomas Allen, Gallaudet University

Role: Investigator within the Bilingualism and Reading Strands

Purpose: To study how sign language acquisition facilitates the learning of written English.

PUBLICATIONS

Under Review

Emmorey, K., Midgley, K., Kohen, C., Sevcikova Sehyr, Z., & Holcomb, P. (under review). The N170 ERP component differs in laterality, distribution, and association with continuous reading measures for deaf and hearing readers. *Neuropsychologia*.

Emmorey, K., Giezen, M., Petrich, J.A.F., Spurgeon, E., & O'Grady Farnady, L. (under review). The relation between working memory (linguistic or spatial) and language comprehension for signers vs. speakers. *Acta Psychologica*.

Liu, L., Yan, X. Liu, J., Xia, M., Lu, C., **Emmorey, K.,** Chu, M., & Ding, G. (under review). Evidence for linguistic computation through an optimized neural network for signers. *Neuropsychologia*.

Meade, G., Midgley, K., Sevcikova Sehyr, Z., Holcomb, P., & **Emmorey, K.** (under invited revision). Implicit co-activation of American Sign Language in deaf readers: An ERP study. *Brain and Language*.

Mehravari, A., **Emmorey, K.,** Prat, C., Klarman, L., & Osterhout, L. (under review). Brain-based individual difference measures of reading skill in deaf and hearing adults. *Neuropsychologia*.

Nácar, L., Woll, B., Giezen, M.R., Adam, R., Werker, J., **Emmorey, K.**, Sebastian-Galles, N. (under invited revision). Can you see the difference? The bilingual advantage in visual language discrimination is not speech-specific. *PNAS*.

Sevcikova Sehyr, Z., Nicodemus, B., Petrich, J., & **Emmorey, K.** (under review). Referring strategies in American Sign Language and English: The role of modality in creating reference to non-namable shapes. *Applied Psycholinguistics*.

In press

Emmorey, K., Nicodemus, B., & O’Grady, L. (in press). The language of perception in American Sign Language. In A. Majid & Stephen C. Levinson (Eds), *Language of Perception: The comparative codability of the senses across languages*. Oxford University Press.

Keane, J., Sevcikova Sehyr, Z., **Emmorey, K.**, & Brentari, D. (accepted). A theory-driven model of handshape similarity. *Phonology*.

2017

Giezen, M.R., & **Emmorey, K.** (2017). Evidence for a bimodal bilingual disadvantage in letter fluency, *Bilingualism: Language and Cognition*, 20(1), 42–48. doi: <http://dx.doi.org/10.1017/S1366728916000596>

2016

Caselli, N., Sevcikova Sehyr, Z., Cohen-Goldberg, A., & **Emmorey, K.** (2016). ASL-LEX: A lexical database of American Sign Language. *Behavioral Research Methods*, 1-18. doi:10.3758/s13428-016-0742-0

Emmorey, K. (2016). How to distinguish gesture from sign: New technology is not the answer. Commentary on “The now-or-never bottleneck: A fundamental constraint on language” M. Christiansen & N. Chater, *Behavioral and Brain Sciences*, 39, doi:10.1017/S0140525X1500076X, e70

Emmorey, K., Mehta, S., McCullough, S., & Grabowski, T.G. (2016). The neural circuits recruited for the production of signs and fingerspelled words. *Brain and Language*, 160, 30-41. doi.org/10.1016/j.bandl.2016.07.003

Emmorey, K., McCullough, S., & Weisberg, J. (2016). The neural underpinnings of reading skill in deaf adults. *Brain and Language*, 160, 11-20. doi.org/10.1016/j.bandl.2016.06.007

Emmorey, K. (2016). Consequences of the Now-or-Never bottleneck for signed vs. spoken languages. *Behavioral and Brain Sciences*, 39, e70, doi: <http://dx.doi.org/10.1017/S0140525X1500076X>

Emmorey, K., Giezen, M.R., & Gollan, T.H. (2016). Psycholinguistic, cognitive, and neural implications of bimodal bilingualism. *Bilingualism: Language and Cognition*, 19(2), 223-242. doi:10.1017/S1366728915000085

Emmorey, K., Giezen, M .R., & Gollan, T.H. (2016). Insights from bimodal bilingualism: Reply to commentaries. *Bilingualism: Language and Cognition*, 19(2), 261-263. doi:10.1017/S1366728915000085

- Emmorey, K.** (2016). Cognitive Processes. In G. Gertz and P. Boudreault (Eds.), *Deaf Studies Encyclopedia*, Sage Publishers.
- Giezen, M.R., & **Emmorey, K.** (2016). Language co-activation and lexical selection in bimodal bilinguals: Evidence from picture-word interference. *Bilingualism: Language and Cognition*, 19(2), 264-276. doi:[10.1017/S1366728915000097](https://doi.org/10.1017/S1366728915000097)
- Giezen, M.R., & **Emmorey, K.** (2016). Semantic integration and age of acquisition effects in code-blend comprehension. *Journal of Deaf Studies and Deaf Education*, 21(2), 213–221. doi:10.1093/deafed/env056
- Li, L., **Emmorey, K.**, Feng, X., Lu, C., & Ding, G. (in press). Functional connectivity reveals which language the “control regions” control during bilingual production. *Frontiers in Human Neuroscience*, 10, 616. doi: 10.3389/fnhum.2016.00616
- Sevcikova Sehyr, Z., Petrich, J., & **Emmorey, K.** (2016). Fingerspelled and printed words are recoded into a speech-based code in short-term memory. *Journal of Deaf Studies and Deaf Education*. doi:10.1093/deafed/enw068
- Weisberg, J., Hubbard, A.L., & **Emmorey, K.** (2016). Multisensory semantic integration of spontaneously produced representational co-speech gestures: An fMRI study. *Language, Cognition and Neuroscience*. doi: 10.1080/23273798.2016.1245426
- 2015**
- Emmorey, K.** (2015). The neurobiology of sign language. In A. Toga (Ed), *Brain mapping: An encyclopedic reference*, vol. 3, pp. 475-478, Oxford, England: Elsevier.
- Emmorey, K.**, McCullough, S., & Weisberg, J. (2015). Neural correlates of fingerspelling, text, and sign processing in deaf ASL-English bilinguals. *Language, Cognition, and Neuroscience*, 30(6), 749-767.
- Emmorey, K.**, & Özyurek, A. (2015). Language in our hands: Neural underpinnings of sign language and co-speech gesture. In M. Gazzaniga (Ed.), *The Cognitive Neurosciences V.*, pp. 657–665, The MIT Press.
- Giezen, M.R., Blumenfeld, H., Shook, A., Marian, V., & **Emmorey, K.** (2015). Parallel language activation and inhibitory control in bimodal bilinguals. *Cognition*, 141, 9-25. doi.org/10.1016/j.cognition.2015.04.009
- Hauser, P., Paludneviene, R., Riddle, W., Kurz, K., **Emmorey, K.**, Contreras, J. (2015). American Sign Language Comprehension Test: A tool for sign language researchers. *Journal of Deaf Studies and Deaf Education*. doi:10.1093/deafed/env051
- Iverson, J., Patel, A., Nicodemus, B., & **Emmorey, K.** (2015). Synchronization to auditory and visual rhythms in hearing and deaf individuals. *Cognition*, 134, 232-244.
- Nicodemus, B., & **Emmorey, K.** (2015). Directionality in ASL-English interpreting: Quality and accuracy in L1 and L2. *Interpreting*, 17(2), 145-166.
- Pyers, J.E., Perniss, P., & **Emmorey, K.** (2015). Viewpoint in the visual-spatial modality: The coordination of spatial perspective in sign languages. *Spatial Cognition and Computation*, 15(3), 1–28.
- Secora, K., & **Emmorey, K.** (2014). The Action-Sentence Compatibility effect in ASL: The role of semantics vs. perception. *Language and Cognition*, 7(2), 305-318.

doi:10.1017/langcog.2014.40

Weisberg, J., McCullough, S., & **Emmorey, K.** (2015). Simultaneous perception of a spoken and a signed language: The brain basis of ASL-English code-blends. *Brain and Language*, 147, 96–106.

2014

Emmorey, K. (2014). Iconicity as structure-mapping. *Philosophical Transactions of the Royal Society B*. 20130301, <http://dx.doi.org/10.1098/rstb.2013.0301>

Emmorey, K., McCullough, S., Mehta, S., & Grabowski, T. J. (2014). How sensory-motor systems impact the neural organization for language: Direct contrasts between spoken and signed language. *Frontiers in Psychology*, 5(484), doi: 10.3389/fpsyg.2014.00484.

2013

Allen, J.S., **Emmorey, K.**, Bruss, J., & Damasio, H. (2013). Neuroanatomical differences in visual, motor, and language cortices between congenitally deaf signers, hearing signers, and hearing non-signers. *Frontiers in Neuroanatomy*, 7(26), doi: 10.3389/fnana.2013.00026.

Baus, C., Carreiras, M., & **Emmorey, K.** (2013). When does iconicity in sign language matter? *Language and Cognitive Processes*, 28(3), 261-71. DOI:10.1080/01690965.2011.620374

Emmorey, K., McCullough, S., Mehta, S.H., Ponto, L.B., & Grabowski, T.J. (2013). The biology of linguistic expression impacts neural correlates for spatial language. *Journal of Cognitive Neuroscience*, 25(4), 517-533.

Emmorey, K., Petrich, J.A.F., & Gollan, T. H. (2013). Bimodal bilingualism and the frequency-lag hypothesis. *Journal of Deaf Studies and Deaf Education*, 18(1), 1-11.

Emmorey, K., Weisberg, J., McCullough, S., & Petrich, J. A. F. (2013). Mapping the reading circuitry for skilled deaf readers: An fMRI study of semantic and phonological processing. *Brain and Language*, 126, 169-180.

Emmorey, K. (2013). The neurobiology of sign language and the mirror system hypothesis. *Language and Cognition*, 5(2–3), 205-210.

Nicodemus, B., & **Emmorey, K.** (2013). Direction asymmetries in spoken and signed language interpreting. *Bilingualism: Language and Cognition*, 16(3), 624-636. doi:10.1017/S13667289I2000521

Thompson, R., **Emmorey, K.**, Kluender, R., & Langdon, C. (2013). The eyes don't point: Understanding language universals through person marking in American Sign Language. *Lingua*, 137, 219-229.

2012

Casey, S., **Emmorey, K.**, & Larrabee, H. (2012). The effects of learning American Sign Language on co-speech gesture. *Bilingualism: Language and Cognition*, 15(4), 677-686. DOI: <http://dx.doi.org/10.1017/S1366728911000575>

Emmorey, K., & Petrich, J. (2012). Processing orthographic structure: Associations between print and fingerspelling. *Journal of Deaf Studies and Deaf Education*, 17(2), 194-204.

Emmorey, K., Petrich, J.A.F., & Gollan, T.H. (2012). Bilingual processing of ASL-English code-blends: The consequences of accessing two lexical representations simultaneously. *Journal of Memory and Language*, 67, 199-210.

McCullough, S., Saygin, A.P., Korpics, K., & **Emmorey, K.** (2012). Motion-sensitive cortex and motion semantics in American Sign Language. *NeuroImage*, 63, 111-118.
doi:[10.1016/j.neuroimage.2012.06.029](https://doi.org/10.1016/j.neuroimage.2012.06.029)

Poeppel, D., **Emmorey, K.**, Hickok, G., & Pylkkänen, L. (2012). Towards a new neurobiology of language. *Journal of Neuroscience*, 32(41), 14125-14131.

PRESENTATIONS

2017

Emmorey, K., Sevcikova Sehyr, Z., & Petrich, J. (2017). Fingerspelled words are re-coded into a speech-based form in short term memory. *Linguistic Society of America Meeting*, January, Austin, TX.

2016

Emmorey, K. (2016). The impact of distinct sensory-motor systems on the neurobiology of language: Signed vs. spoken languages. Paper presented at the Psychonomics Society Meeting, November, Boston, MA.

Sevcikova Sehyr, Z., **Emmorey, K.**, Midgley, K., & Holcomb, P. (2016). Hemispheric lateralization of early ERP components in deaf and hearing readers with low and high vocabulary size. Poster presented at the Psychonomics Society Meeting, November, Boston, MA.

Emmorey, K. (2016). The bimodal bilingual brain. Invited colloquium at Temple University, November, Philadelphia, PA.

Emmorey, K. (2016). The neurobiology of language from the perspective of sign languages. Invited colloquium at the University of Michigan, October, Ann Arbor, MI.

Caselli, N., Sevcikova Sehyr, Z., Cohen-Goldberg, A., & **Emmorey, K.** (2016). An investigation of the American Sign Language lexicon. Paper presented at the 10th International Conference on the Mental Lexicon, October, Ottawa, Canada.

Schaller, F., **Emmorey, K.**, Lee, B., & O'Grady Farnady, C. (2016). Iconic priming and metaphoric mapping in deaf signers of American Sign Language. Poster presented at the Perception Metaphor Workshop, October, Nijmegen, The Netherlands.

Muller de Quadros, R., Lillo-Martin, D., Polinsky, M., & **Emmorey, K.** (2016). Heritage signers: Bimodal bilingual structures. Paper presented at the Generative Approaches to Language Acquisition North America (GALANA), October, Urbana-Champaign, IL.

Meade, G., Midgley, K.J., Holcomb, P.J., & **Emmorey, K.**, (2016). Co-Activation of American sign language in deaf readers: An ERP study. Society for the Neurobiology of Language, August, London, UK.

- Sevcikova Sehyr, Z., Midgley, K.J., Holcomb, P.J., & **Emmorey, K.** (2016). Hemispheric lateralization of early ERP components in deaf readers with low and high vocabulary size. Society for the Neurobiology of Language, August, London, UK.
- Emmorey, K.** (2016). The neural underpinnings of reading skill in profoundly deaf adults. Paper presented at the workshop on “Multimodal multilingual outcomes in deaf and hard-of-hearing children.” June, Stockholm, Sweden.
- Emmorey, K.**, (2016). The neurobiology of language: Perspectives from sign language. Invited colloquium at the Nencki Institute, May, Warsaw, Poland.
- Emmorey, K.**, (2016). Psycholinguistic, cognitive, and neural implications of bimodal bilingualism. Keynote talk at the Bilingual Mind, Brain, and Child Development Symposium, May, Austin, Texas.
- Emmorey, K.**, (2016). Iconicity as structure mapping. Paper presented at the Association for Psychological Science, May, Chicago, Illinois.
- Emmorey, K.**, Sevcikova Sehyr, Z., Midgley, K., & Holcomb, P. (2016). Neurophysiological correlates of frequency, concreteness, and iconicity in American Sign Language. Poster presented at the Cognitive Neuroscience Society, April, New York, New York.
- Mott, M., Meade, G., Winsler, K., Campbell, S., Midgley, K., **Emmorey, K.**, & Holcomb, P. (2016). An electrophysiological study of initial American Sign Language acquisition in adult learners. Poster presented at the Cognitive Neuroscience Society, April, New York, New York.
- Sevcikova Sehyr, Z., Midgley, K., Behrmann, M., **Emmorey, K.**, Holcomb, P., & Plaut, D. (2016). Lateralization of the N170 for word and face processing in deaf ASL signers. Poster presented at the Cognitive Neuroscience Society, April, New York, New York.
- Emmorey, K.**, Midgley, K., & Holcomb, P. (2016). Neurophysiological correlates of lexical access in American Sign Language. Theoretical Issues in Sign Language Research 12, January, Melbourne, Australia.
- Sevcikova Sehyr, Z., Caselli, N., Goldberg-Cohen, A., & **Emmorey, K.** (2016). ASL-LEX: A lexical database for American Sign Language. Theoretical Issues in Sign Language Research 12, January, Melbourne, Australia.
- Sevcikova Sehyr, Z. & **Emmorey, K.** (2016). Short-term memory for ASL fingerspelling and print. Theoretical Issues in Sign Language Research 12, January, Melbourne, Australia.

2015

- Sevcikova Sehyr, Z., **Emmorey, K.**, Midgley, K., & Holcomb, P. (2015). Lateralization of the N170 for word and face processing in deaf signers. Colloquium presented at the UCSD Center for Research on Language, November, San Diego, California.
- Secora, K., & **Emmorey, K.** (2015). Differing social and nonsocial strategies for deaf signers and hearing nonsigners during visual spatial perspective-taking tasks. Poster presented at the annual American Speech-Language-Hearing Association meeting. November, Denver, Colorado.

- Emmorey, K.** (2015). The psycholinguistic and neurolinguistic consequences of bimodal bilingualism. Colloquium presented at New York University, October, New York, New York.
- Emmorey, K.** (2015). The signing brain: What sign languages tell us about human language. Colloquium presented at Teacher's College, October, New York, New York.
- Emmorey, K., McCullough, S., & Weisberg, J.** (2015). The neural underpinnings of reading skill in deaf adults. Poster presented at the annual meeting of the Society for the Neurobiology of Language, October, Chicago, Illinois.
- Holcomb, P., Midgley, K., Grainger, J., & **Emmorey, K.** (2015). Tracking the time course of ASL sign processing using ERP repetition priming. Paper presented at the annual meeting of the Society for Psychophysiological Research, October, Seattle, Washington.
- Emmorey, K.** (2015). The psycholinguistic and neurolinguistic consequences of bimodal bilingualism. Colloquium presented at Beijing Normal University, September, Beijing, China.
- Emmorey, K.** (2015). The neural underpinnings of reading skill in profoundly deaf adults. Keynote at the International Congress on the Education of the Deaf, July, Athens, Greece.
- Emmorey, K.** (2015). Unique challenges to spatial thinking in a sign language. Invited presentation for the workshop on "The spatial grounding of learning: Action, gesture, and language" at the University of Chicago, June, Chicago, Illinois.
- McCullough, S., & **Emmorey, K.** (2015). Comparison of cortical gyrification in deaf signers, hearing signers, and hearing nonsigners. Poster presented the meeting of the Organization for Human Brain Mapping, June, Oahu, Hawaii.
- Secora, K., **Emmorey, K.**, Pyers, J., & Perniss, P. (2015). Perspective-taking in manually-produced spatial descriptions and the role of inhibitory control. 37th Annual Conference of the German Linguistic Society, March, Leipzig, Germany.
- Midgley, K., Holcomb, P., Grainger, J., & **Emmorey, K.** (2015). Evidence of a dissociation in ERP repetition priming effects between deaf signers and hearing non-signers. Poster presented at the Cognitive Neuroscience Society meeting, April, San Francisco, CA.
- Kohen, C., Midgley, K., Holcomb, P., Grainger, J., & **Emmorey, K.** (2015). Differences in P1 and N170 ERP components for deaf vs. hearing readers. Poster presented at the Cognitive Neuroscience Society meeting, April, San Francisco, CA.

2014

- Emmorey, K., Petrich, J., & Gollan, T.** (2014). Evidence from bimodal bilinguals indicates "turning a language ON" is not costly, but "turning a language OFF" is. Paper presented at the Psychonomic Society Meeting, November, Long Beach, California.
- Sevcikova Sehyr, Z. & **Emmorey, K.** (2014). Short-term memory for ASL fingerspelling and print. Poster presented at the Psychonomic Society Meeting, November, Long Beach, California.

- Geizen, M., & **Emmorey, K.** (2014). Semantic integration during code-blend comprehension in bimodal bilinguals. Poster presented at the Psychonomic Society Meeting, November, Long Beach, California.
- Emmorey, K.** (2014). “The bimodal bilingual brain” and “The neurocognitive underpinnings of reading skill in profoundly deaf adults” Keynote presentations for the 4th Australasian Deaf Studies Research Symposium, October, Sydney, Australia.
- Emmorey, K.** (2014). The neurobiology of language: Perspectives from sign language. Keynote for the Arizona Linguistics Circle Conference, October, Tucson, AZ.
- Mehravari, S., Klarman, L., **Emmorey, K.**, & Osterhout, L. (2014). Brain-based individual difference measures of reading skill in deaf adults. Poster presented at the Society for the Neurobiology of Language, August, Amsterdam, The Netherlands.
- Emmorey, K.**, Midgley, K., Grainger, J., & Holcomb, P. (2014). The temporal dynamics of visual word perception in deaf adults. Poster presented at the Society for the Neurobiology of Language, August, Amsterdam, The Netherlands.
- Emmorey, K.** (2014). Iconicity as structure mapping. Paper presented at the International Society for Gesture Studies conference, July, San Diego, California.
- Pyers, J. **Emmorey, K.**, & Gollan, T. (2014). Unlike gestures, production of ASL signs impairs word retrieval for ASL-English bilinguals. Paper presented at the International Society for Gesture Studies conference, July, San Diego, California.
- Sevcikova Sehyr, Z. & **Emmorey, K.** (2014). Gesture serves the speaker more than the listener in descriptions of ineffable shapes. Paper presented at the International Society for Gesture Studies conference, July, San Diego, California.
- Udoff, J., & **Emmorey, K.** (2014). Coordination between the hands and mouth: A kinematic experiment in ASL. Paper presented at the International Society for Gesture Studies conference, July, San Diego, California.
- Emmorey, K.** (2014). “The neurobiology of language: Perspectives from sign language” and “Signing vs. speaking: How the biology of linguistic expression affects language production”. Invited Instructor for the ESCOP Summer School, July, San Sebastian, Spain.
- Emmorey, K.** (2014). The impact of distinct sensory-motor systems on the neurobiology of language: signed vs. spoken languages. Invited instructor for the Cold Spring Harbor Laboratory Course on *Genetics & Neurobiology of Language*, July, Cold Spring Harbor, NY.
- Emmorey, K.** (2014). Bimodal bilingualism: Interpreting perspectives. Keynote speaker for the Registry of Interpreters for the Deaf Region V conference, June, San Diego, California.
- Emmorey, K.** (2014). The neurobiology of language: Perspectives from sign language. Colloquium at the Center for Mind/Brain Sciences, June, Rovereto, Italy.
- Emmorey, K.** (2014). What sign languages reveal about the face. Invited instructor for the Summer school on “What faces can reveal about social and cognitive processes”, Bicocca University, June, Milan, Italy.

- Emmorey, K.** (2014). Code-blending and co-speech gesture in bimodal bilinguals. Keynote speaker at the From Sound to Gesture conference, May, Padova, Italy.
- Emmorey, K.** (2014). Codes-switching by bimodal bilinguals. Invited colloquium, University Pompeu Fabre, May, Barcelona, Spain.
- Emmorey, K.** (2014). Psycholinguistic, cognitive, and neural consequences of bimodal bilingualism. Linguistics colloquium. April, Yale University, New Haven, CT.
- Emmorey, K.** (2014). Psycholinguistic, cognitive, and neural consequences of bimodal bilingualism. Linguistics colloquium. March, Swarthmore University, Swarthmore, PA.
- Emmorey, K.** (2014). The signing brain. Invited colloquium. March, University of Pennsylvania, Philadelphia, PA.
- Emmorey, K.** (2014). The psycholinguistic and neural consequences of bimodal bilingualism. Invited colloquium. February, University of Edinburgh, Edinburgh, UK.
- 2013
- Emmorey, K.** (2013). Lecture series on “The signing brain,” “Sign language psycholinguistics” and “Neural circuits supporting reading in deaf signers” at École Normale Supérieure and NeuroSpin, December, Paris, France.
- Vinson, D., Fox, N., **Emmorey, K.**, Devlin, J., & Vigliocco, G. (2013). The role of left superior parietal lobule in sign language production: A TMS study with British Sign Language. Poster presented at the Society for the Neurobiology of Language, November, San Diego, CA.
- Emmorey, K.**, Mehta, S.H., McCullough, S., & Grabowski, T.J. (2013). The neural circuits recruited for the production of fingerspelling and signing. Poster presented at the Society for Neuroscience, November, San Diego, CA.
- Emmorey, K.** (2013). The cognitive neuroscience of reading for deaf signers. Colloquium given at the Institute for Cognitive Neuroscience at University College London, October, London, UK.
- Emmorey, K.** (2013). The signing brain: What sign languages tell us about human language. Public lecture given at New York University, September, New York, New York.
- Emmorey, K.** (2013). Signing vs. speaking: How the biology of linguistic expression affects language production. Colloquium given for the NYU Linguistics Department, September, New York, New York.
- Emmorey, K.** (2013). The linguistic and neural ramifications of spatial iconicity in sign languages. Keynote presented at the Conference on Spatial Information Theory, September, Scarborough, England.
- Emmorey, K.** (2013). The bimodal bilingual brain. Keynote given at the Neurobilingualism Workshop, August, Groningen, The Netherlands.
- Emmorey, K.** (2013). The neurobiology of language: Perspectives from sign language. Keynote address given at the International Congress of Linguistics, July, Geneva, Switzerland.
- Emmorey, K.** & Özyürek, A. (2013). Language in our hands: Neural underpinnings of sign language and co-speech gesture. Invited talk for the Summer Institute in Cognitive Neuroscience, July, Lake Tahoe, California.

- Emmorey, K.**, Petrich, J., O'Grady, L., Bassett, A., & Spurgeon, E. (2013). The relation between linguistic and spatial working memory capacity and sign language processing. Poster presented at the Theoretical Issues in Sign Language Research 11, July, London, England.
- Weisberg, J., McCullough, S., Petrich, J., & **Emmorey, K.** (2013). The neural correlates of comprehending American Sign Language-English code-blends. Poster presented at the Theoretical Issues in Sign Language Research 11, July, London, England.
- Giezen, M.R., **Emmorey, K.**, & Blumenfeld, H. (2013). Parallel language activation and inhibitory control in bimodal bilinguals. Poster presented at the International Workshop on Bilingualism and Cognitive control, 15-17 May, Krakow, Poland.
- Emmorey, K.** (2013). The cognitive neuroscience of reading for deaf signers. Symposium on L1 Reading Across Different Languages and L2 Literacy Acquisition. May, Taiwan.
- Weisberg, J., McCullough, S., Petrich, J., & **Emmorey, K.** (2013). The neural correlates of comprehending American Sign Language-English code-blends. Cognitive Neuroscience Society annual meeting, April, San Francisco, CA.
- McCullough, S., & **Emmorey, K.** (2013). Differences in cortical thickness among deaf signers, hearing native signers, and hearing nonsigners. Cognitive Neuroscience Society annual meeting, April, San Francisco, CA.
- Secora, K., & **Emmorey, K.** (2013). The Action-Sentence Compatibility Effect in American Sign Language. CUNY Sentence Processing Conference, March, Columbia, South Carolina.
- Emmorey, K.** (2013). The signing brain: What sign languages tell us about human language. Albert W. Johnson Distinguished Professor Lecture, San Diego State University, March, San Diego, CA.
- Emmorey, K.** (2013). The generality of the language faculty: Biological bases of sign language. American Association for the Advancement of Science annual meeting, February, Boston, MA.
- Emmorey, K.** (2013). The psycholinguistic and neural consequences of bimodal bilingualism. Invited colloquium at UCLA, February, Los Angeles, CA.
- 2012**
- Emmorey, K.** (2012). The psycholinguistic and neurolinguistic consequences of bimodal bilingualism. Invited Colloquium, The University of Chicago, Illinois.
- Emmorey, K.** (2012). The signing brain: What sign languages tell us about human language. Invited lecture for the public. Basque Centre for Brain and Language, Donostia, Spain.
- Emmorey, K.**, Weisberg, J., McCullough, S., & Petrich, J. (2012). Mapping the reading circuitry for skilled deaf readers. Paper presented at the Neurobiology of Language Conference. November, San Sebastian, Spain.
- Emmorey, K.** (2012). The neurobiology of language from the perspective of sign languages. Paper presented at the Society for Neuroscience. November, New Orleans, LA.

- Emmorey, K.** (2012). Sign languages as a tool for understanding human language, cognition, and the brain. Distinguished Lecture at the National Science Foundation. June, Washington, DC.
- Emmorey, K.** (2012). Neural and cognitive underpinnings of language: Insights from sign language research. Keynote at Clinical Aphasiology Conference. May, Lake Tahoe, CA.
- Emmorey, K.** (2012). Bimodal bilingualism: When language is both spoken and signed. Invited speaker at the Marshall Wienberg Symposium on bilingualism, March, University of Michigan, Ann Arbor, MI.
- Emmorey, K.** (2012). When does iconicity matter? Presented at the workshop “WHAT IF the study of language started with the investigation of signed rather than spoken languages?” January, London, England.
- Emmorey, K.** (2012). Speaking vs. signing: How the biology of linguistic expression affects production. Invited lecture, January, Lund, Sweden.

MEDIA

Union Tribune: San Diego “brainiest” city in the US, Nov. 10, 2013
<http://m.utsandiego.com/news/2013/nov/10/brain-sandiego-neuroscience/>

ACADEMIC SERVICE

Professional Societies:

American Association for the Advancement of Science	Phi Beta Kappa
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Linguistic Society of America	

Ad hoc reviewer for the following publications and institutions:

Brain and Language	Natural Language and Linguistic Theory
Cognition	Memory and Cognition
Language and Cognitive Neuroscience	NeuroImage
Journal of Cognitive Neuroscience	Neuropsychologia
Journal of Memory and Language	Psychological Science
Journal of Psycholinguistic Research	Psychological Review
Language	
National Institute of Mental Health	National Science Foundation (Linguistics and Human Cognition and Perception programs)
National Institute on Deafness and other Communicative Disorders	The Wellcome Trust
National Endowment for the Humanities	The Australian Research Council