



CURRICULUM VITAE

Marta Kutas

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Date of Birth

September 2, 1949 -- Hungary

Education History

1977 Ph.D. University of Illinois, Champaign
1974 M.A. University of Illinois, Champaign
1971 B.A. Oberlin College
1967-1971 Oberlin College, Oberlin, Ohio
1967 Matriculation, Woodward High School, Cincinnati, Ohio

Professional History

2017-present Chancellor's Associates Endowed Chair, University of California, San Diego
2008-present Distinguished Professor, University of California, San Diego
2007-present Chair, Department of Cognitive Science, University of California, San Diego
2007-present Director, Center for Research in Language, University of California, San Diego
2004-2006 Co-Director, Center for Research in Language, University of California, San Diego
1996-2000 Adjunct Professor, Department of Psychology, San Diego State University
1990-present Professor, Department of Cognitive Science, University of California, San Diego
1990-present Adjunct Professor, Department of Neurosciences, University of California, San Diego
1988-1990 Adjunct Associate Professor, Department of Cognitive Science, University of California, San Diego
1986-1990 Associate Professor, In Residence, Department of Neurosciences, University of California, San Diego
1985-1986 Associate Research Neuroscientist, Department of Neurosciences, University of California, San Diego
1980-1985 Assistant Research Neuroscientist, Department of Neurosciences, University of California, San Diego
1978-1980 Postdoctoral Research Neuroscientist, Department of Neurosciences, University of California, San Diego
1977-1978 Visiting Research Associate, Department of Psychology, University of Illinois, Champaign
1974-1976 Research Assistant, Department of Psychology, University of Illinois, Champaign
1972-1974 Teaching Assistant, Department of Psychology, University of Illinois, Champaign
1971-1972 Research Assistant, Department of Psychology, University of Illinois, Champaign

Teaching Experience

Psychology 211	Introductory Physiological Psychology
Psychology 345	Comparative Psychology (and Ethology)
Neurosciences 252	Information Processing in Man
Neurosciences 205	Basic Medical Neurology (occasional lectures)
Neurosciences 262	Vertebrate Systems Neurophysiology (some lectures)

Neurosciences 271	Neuropsychology: Principles of Brain and Behavior
Cognitive Science 1	Introduction to Cognitive Science
Cognitive Science 10B	Minds, Brains and Computers
Cognitive Science 101A	Cognitive Phenomena
Cognitive Science 179	Electrophysiology of Cognition (undergraduate)
Cognitive Science 279	Electrophysiology of Cognition (graduate)
Cognitive Science 200	Brain and Language (lectures)
Cognitive Science 204	Research Methods in Cognitive Science
Cognitive Science 254	Pragmatics (with G. Fauconnier)
Neurosciences 200C	Cognitive Neuroscience

Professional Activities

2011	TICS Advisory Editorial Board
2010	Advisory Board, <i>Trends in Cognitive Science</i>
2007	Review Editor, <i>Frontiers in Human Neuroscience</i>
2007	Advisory Board, Kavli Institute for Brain and Mind
2005-present	Senior Consulting Editor, <i>Brain and Language</i>
1995-present	Governing Board, Cognitive Neuroscience Society
1995-1999	Board of Consulting Editors, <i>JEP: Learning, Memory and Cognition</i>
1994-1996	Perception and Cognition Review Committee, NIH
1993-present	Editorial Board, <i>Cognitive Brain Research</i>
1992-1997	Board of Consulting Editors, <i>Neuropsychology</i>
1992-present	Editorial Board, <i>Language and Cognitive Processes</i>
1991-present	Editorial Board, <i>Brain Research (Cognitive Neuroscience)</i>
1989-present	Editorial Board, <i>Journal of Cognitive Neuroscience</i>
1988-2001	Board of Consulting Editors, <i>Electroenceph. Clin. Neurophysiol.</i>
1986-1994	Associate Editor, <i>Psychophysiology</i>
1985-present	Board of Associate Editors, <i>Neuropsychologia</i>
1982-1984	Mental Health Small Grants Committee

Honors

2018	Elected member, American Academy of Arts and Sciences
2015	Cognitive Neuroscience Society, Distinguished Career Contributions Award
2014	Honorary Degree of Science, Oberlin College
2012	President, Society for Neurobiology of Language
2010	Honorary Degree, Radboud Universiteit Nijmegen
2009	Fellow of The Society of Experimental Psychologists
2009	Fellow of American Psychological Society
2007	Award for Distinguished Contributions to Psychophysiology
1996	President, Society for Psychophysiological Research
1984	American Psychological Association, Distinguished Scientific Award for an Early Career Contribution to Psychology.
1980-1990	Research Scientist Development Award
1975	Third Prize in Annual Sigma Xi Paper Awards at the University of Illinois, Champaign
1972-1976	Public Health Service Predoctoral Fellow

Research Interests

- Language comprehension and production
- How we understand, learn and remember
- Handedness and cerebral specialization
- Human cognition and neuropsychology
- Electrophysiological and experimental methods of assessing human information processing in control and patient groups
- Mechanisms of reading, creativity, humor
- Unconscious processes
- Human neuropsychology
- Attention

- Cortical functioning and behavior
- Physiological mechanisms underlying EEG and ERP activity, relation between single unit, multiunit and EEG activity
- Clinical applications of ERPs
- Sleep mechanisms

Societies

- Cognitive Neuroscience Society
- Society for Psychophysiological Research
- Women in Science

Publications

2018

1. Urgen, B., Kutas, M., Saygin, A., [Uncanny valley as a window into predictive processing in the social brain](#), *Neuropsychologia* 2018, <https://doi.org/10.1016/j.neuropsychologia.2018.04.027>
2. Urbach, T. P. & Kutas, M., [Cognitive Electrophysiology of Language](#). In: S. A. Rueschemeyer & G. Gaskell (Eds.), *Oxford Handbook of Psycholinguistics*, Oxford University Press, 2nd Edition, 2018

2017

1. Cohn, N., Paczynski, M., Kutas, M., [Not so secret agents: Event-related potentials to semantic roles in visual event comprehension](#), *Brain and Cognition*, 2017, Vol 119, pp. 1-5
2. Amsel, B.D., Kutas, M., Coulson, S., [Projectors, associators, visual imagery, and the time course of visual processing in grapheme-color synesthesia](#), *Cognitive Neuroscience*, 2017, DOI: 10.1080/17588928.2017.1353492
3. Cohn, N., Kutas, M., [What's your neural function, visual narrative conjunction? Grammar, meaning, and fluency in sequential image processing](#), *Cognitive Research: Principles and Implications*, 2017, DOI: 10.1186/s41235-017-0064-5
4. Kiang, M., Farzan, F., Blumberger, D.M., Kutas, M., McKinnon, M.C., Kansal, V., Rajji, T.K., Daskalakis, Z.J., [Abnormal self-schema in semantic memory in major depressive disorder: evidence from event-related brain potentials](#), *Biological Psychology*, 2017, Vol 126, pp. 41-47
5. Manfredi, M., Cohn, N., Kutas, M., [When a hit sounds like a kiss: An electrophysiological exploration of semantic processing in visual narrative](#), *Brain & Language*, 2017, Vol 169, pp. 28-38
6. Kutas, M., Kluender, R., Barkley, C., Amsel, B.D., [Language](#). In: J. Cacioppo, L. Tassinary, and G. Berntson (Eds), *Handbook of Psychophysiology*, Cambridge: Cambridge University Press, 4th Edition, 2017, pp. 511-525
7. DeLong, K.A., Urbach, T.P., Kutas, M., [Is there a replication crisis? Perhaps. Is this an example? No: a commentary on Ito, Martin, and Nieuwland \(2016\)](#), *Language, Cognition and Neuroscience*, 2017, DOI: 10.1080/23273798.2017.1279339

2016

1. DeLong, K.A., Kutas, M., [Hemispheric differences and similarities in comprehending more and less predictable sentences](#), *Neuropsychologia*, 2016, Vol 91, pp. 380-393
2. Troyer, M., Hofmeister, P., Kutas, M., [Elaboration over a discourse facilitates retrieval in sentence processing](#), *Frontiers in Psychology*, 2016, 7:374. DOI: 10.3389/fpsyg.2016.00374

2015

1. Barkley, C., Kluender, R., Kutas, M., [Referential processing in the human brain: An event-related brain potential \(ERP\) study](#), *Brain Research*, 2015, Vol 1629, pp. 143-159
2. Cohn, N., Kutas, M., [Getting a cue before getting a clue: Event-related potentials to inference in visual narrative comprehension](#), *Neuropsychologia*, 2015, Vol 77, pp. 267-278
3. Urbach, T.P., DeLong, K.A., Kutas, M., [Quantifiers are incrementally interpreted in context, more than less](#), *Journal of Memory and Language*, 2015, Vol. 83, pp. 79-96

4. Amsel, B.D., DeLong, K.A., Kutas, M., **Close, but no garlic: Perceptuomotor and event knowledge activation during language comprehension**, *Journal of Memory and Language*, 2015, Vol. 82, pp. 118-132
5. Forgács, B., Bardolph, M.D., Amsel, B.D., DeLong, K.A., Kutas, M., **Metaphors are physical and abstract: ERPs to metaphorically modified nouns resemble ERPs to abstract language**, *Frontiers in Human Neuroscience*, 2015, Vol. 9, Article 28
6. Smith, N.J., Kutas, M., **Regression-based estimation of ERP waveforms: I. The rERP framework**, *Psychophysiology*, 2015, Vol. 52, pp. 157-168
7. Smith, N.J., Kutas, M., **Regression-based estimation of ERP waveforms: II. Non-linear effects, overlap correction, and practical considerations**, *Psychophysiology*, 2015, Vol. 52, pp. 169-181

2014

1. Kutas, M., Federmeier, K.D., Urbach, T.P., **The "Negatives" and "Positives" of Prediction in Language**, in M.S. Gazzaniga, G.R. Mangun (Eds.), *The Cognitive Neurosciences (5th Edition)*, MIT Press, 2014, Chapter 55, pp. 649-656
2. Knoeferle, P., Urbach, T.P., Kutas, M., **Different mechanisms for role relations versus verb-action congruence effects: Evidence from ERPs in picture-sentence verification**, *Acta Psychologica*, 2014, Vol. 152, pp. 133-148
3. Yang, J.C., Chi, L., Teichholtz, S., Schneider, A., Nanakul, R., Nowacki, R., Seritan, A., Reed, B., DeCarli, C., Iragui, V.J., Kutas, M., Hagerman, P.J., Hagerman, R.J., Olichney, J.M., **ERP Abnormalities Elicited by Word Repetition in Fragile X-associated Tremor/Ataxia Syndrome (FXTAS) and Amnesic MCI**, *Neuropsychologia*, 2014, Vol. 63, pp. 34-42
4. DeLong, K.A., Quante, L., Kutas, M., **Predictability, plausibility and two late ERP positivities during written sentence comprehension**, *Neuropsychologia*, 2014, Vol. 61, pp. 150-162
5. Amsel, B.D., Urbach, T.P., Kutas, M., **Empirically grounding grounded cognition: The case of color**, *NeuroImage*, 2014, Vol. 99, pp. 149-157
6. DeLong, K.A., Troyer, M., Kutas, M., **Pre-processing in Sentence Comprehension: Sensitivity to likely upcoming meaning and structure**, *Language and Linguistic Compass*, 2014, pp. 1-14
7. Kemmer, L., Coulson, S., Kutas, M., **Grammatical number agreement processing using the visual half-field paradigm: An event-related brain potential study**, *International Journal of Psychophysiology*, 2014, Vol 91, pp. 88-103
8. Kutas, M., Iragui, V.J., Niu, Y., D'Avanzo, T., Yang, J., Salmon, D.P., Zhang, L., Olichney, J.M., **Altered N400 Congruity Effects in Parkinson's Disease without Dementia**, In G. R. Mangun (Ed.), *Cognitive Electrophysiology of Attention: Signals of the Mind*, 2014, pp. 254-267. Elsevier.

2013

1. Devor, A., Bandettini, P.A., Boas, D.A., Bower, J.M., Buxton, R.B., Cohen, L.B., Dale, A.M., Einevoll, G.T., Fox, P.T., Franceschini, M.A., Friston, K.J., Fujimoto, J.G., Geyer, M.A., Greenberg, J.H., Halgren, E., Hamalainen, M.S., Helmchen, F., Hyman, B.T., Jasanoff, A., Jernigan, T.L., Judd, L.L., Kim, S., Kleinfeld, D., Kopell, N.J., Kutas, M., Kwong, K.K., Larkum, M.E., Lo, E.H., Magistretti, P.J., Mandeville, J.B., Masliah, E., Mitra, P.P., Mobley, W.C., Moskowitz, M.A., Nimmerjahn, A., Reynolds, J.H., Rosen, B.R., Salzborg, B.M., Schaffer, C.B., Silva, G.A., So, P.T.C., Spitzer, N.C., Tootell, R.B., Van Essen, D.C., Vanduffel, W., Vinogradov, S.A., Wald, L.L., Wang, L.V., Weber, B., Yodh, A.G., **The Challenge of Connecting the Dots in the B.R.A.I.N.**, *Neuron*, 2013, Vol 80, pp. 270-274
2. Olichney, J., Pak, J., Salmon, D., Yang, J., Gahagan, T., Nowacki, R., Hansen, L., Galasko, D., Kutas, M., Iragui-Madoz, V., **Abnormal P600 word repetition effect in elderly persons with Preclinical Alzheimer's disease**, *Cognitive Neuroscience*, 2013, 4(3-4), pp. 143-51
3. Kwon N., Kluender R., Kutas M., Polinsky M., **Subject/object processing asymmetries in Korean relative clauses: Evidence from ERP data**, *Language*, 2013, Vol. 89, pp. 537-585
4. Amsel, B.D., Urbach, T.P., Kutas, M., **Alive and grasping: Stable and rapid semantic access to an object category but not object graspability**, *NeuroImage*, 2013, Vol. 77, pp. 1-13
5. Borovsky, A., Kutas, M., Elman, J., **Getting it right: Word learning across the hemispheres**, *Neuropsychologia*, 2013, 51(5) pp. 825-37
6. Barber, H.A., van der Meij, M., Kutas, M., **An electrophysiological analysis of contextual and temporal constraints on parafoveal word processing**, *Psychophysiology*, 2013, 50(1) pp. 48-59

2012

1. Amsel, B.D., Urbach, T.P., Kutas, M., **Perceptual and motor attribute ratings for 559 object concepts**, *Behavioral Research Methods*, 2012, 44(4) pp. 1028-1041
2. Borovsky, A., Elman, J., Kutas, M., **Once is enough: N400 indexes semantic integration of novel word meaning**, *Language, Learning & Development*, 2012, 8:3, pp. 278-302
3. Wlotko, E.W., Federmeier, K.D., Kutas, M., **To Predict or Not to Predict: Age-Related Differences in the Use of Sentential Context**, *Psychology and Aging*, 2012, 27(4) pp. 975-88

4. Kutas, M., Kiang, M., Sweeney, K., **Potentials and Paradigms: Event-Related Brain Potentials and Neuropsychology**, *The Handbook of the Neuropsychology of Language, Language Processing in the Brain: Clinical Populations*, Editor M. Faust, Wiley-Blackwell, 2012, Vol. 2, pp. 545-564
5. DeLong, K.A., Groppe, D.M., Urbach, T.P., Kutas, M., **Thinking ahead or not? Natural aging and anticipation during reading**, *Brain and Language*, 2012, DOI: 10.1016/j.bandl.2012.02.006
6. Metusalem, R., Kutas, M., Urbach, T.P., Hare, M., McRae, K., Elman, J.L., **Generalized event knowledge activation during online sentence comprehension**, *Journal of Memory and Language*, 2012, DOI: 10.1016/j.jml.2012.01.001
7. Kiang, M., Christensen, B.K., Kutas, M., Zipursky, R.B., **Electrophysiological evidence for primary semantic memory functional organization deficits in schizophrenia**, *Psychiatry Research*, 2012, DOI: 10.1016/j.psychres.2012.02.026
8. Ye, Z., Kutas, M., St. George, M., Sereno, M.I., Ling, F., Munte, T.F., **Rearranging the world: Neural networks supporting the processing of temporal connectives**, *NeuroImage*, 2012, 59 pp. 3662-3667

2011

1. Small, S.L., Hickok, G., Nusbaum, H.C., Blumstein, S., Coslett, H.B., Dell, G., Hagoort, P., Kutas, M., Marantz, A., Pylkkanen, L., Thompson-Schill, S., Watkins, K., Wise, R.J.S., **The neurobiology of language: Two years later**, *Brain and Language*, 2011, 116 pp. 103-104
2. Groppe, D.M., Urbach, T.P., & Kutas, M., **Mass univariate analysis of event-related brain potentials/fields I: A critical tutorial review**, *Psychophysiology*, 2011, DOI: 10.1111/j.1469-8986.2011.01273.x
3. Groppe, D.M., Urbach, T.P., & Kutas, M., **Mass univariate analysis of event-related brain potentials/fields II: Simulation Studies**, *Psychophysiology*, 2011, DOI: 10.1111/j.1469-8986.2011.01272.x
4. DeLong, K.A., Urbach, T.P., Groppe, D.M., & Kutas, M., **Overlapping dual ERP responses to low cloze probability sentence continuations**, *Psychophysiology*, 2011, DOI: 10.1111/j.1469-8986.2011.01199.x
5. Kutas, M., DeLong, K.A., Smith, N.J., **A look around at what lies ahead: Prediction and predictability in language processing**, in *Predictions in the Brain: Using Our Past to Generate a Future*, Editor M. Bar, Oxford University Press, 2011, pp. 190-207.
6. Kutas, M., Federmeier, K.D., **Thirty years and counting: Finding meaning in the N400 component of the event related brain potential (ERP)**, *Annual Review of Psychology*, 2011, 62 pp. 621-647
7. Knoeferle, P., Urbach, T.P., Kutas, M., **Comprehending visual context influences on incremental sentence comprehension: insights from ERPs and picture-sentence verification**, *Psychophysiology*, 2011, 48 pp. 495-506
8. Barber, H.A., Ben-Zvi, S., Bentin, S., Kutas, M., **Parafoveal perception during sentence reading?: An ERP paradigm using rapid serial visual presentation (RSVP) with flankers**, *Psychophysiology*, 2011, 48 pp. 523-531

2010

1. Groppe, D., Choi, M., Huang, T., Schilz, J., Topkins, B., Urbach, T.P., & Kutas, M., **The phonemic restoration effect reveals pre-N400 effect of supportive sentence context in speech perception**, *Brain Research*, 2010, pp. 54-66
2. Federmeier, K.D., Kutas, M., Schul, R., **Age-related and individual differences in the use of prediction during language comprehension**, *Brain and Language*, 2010, 115(3) pp. 149-161
3. Bicknell, K., Elman, J.L., Hare, M., McRae, K., Kutas, M., **Effects of event knowledge in processing verbal arguments**, *Journal of Memory and Language*, 2010, 63 pp. 489-505
4. Olichney J.M., Taylor J.R., Hillert D.G., Chan S.H., Salmon D.P., Gatherwright J., Iragui V.J., Kutas M. **fMRI congruous word repetition effects reflect memory variability in normal elderly**. *Neurobiology of Aging*, 2010, 31(11) pp. 1975-1990
5. Borovsky, A., Kutas, M., Elman, J.L., **Learning to use words: Event related potentials index single-shot contextual word learning**, *Cognition*, 2010, 116 pp. 289-296.
6. Olichney, J., Taylor, J.R., Chan, S., Yang, J., Stringfellow, A., Hillert, D.G., Salmon, D.P., Iragui-Madoz, V., Kutas, M., **fMRI responses to words repeated in a congruous semantic context are abnormal in mild Alzheimer's disease**, *Neuropsychologia*, 2010, 48 pp. 2476-2487.
7. Barber, H.A., Donamayor, N., Kutas, M., Munte, T., **Parafoveal N400 effect during sentence reading**, *Neuroscience Letters*, 2010, 479 pp. 152-156.
8. Urbach, T.P., Kutas, M., **Quantifiers more or less quantify online: ERP evidence for partial incremental interpretation**. *Journal of Memory and Language*, 2010, 63 pp. 158-179.
9. Kutas, M., **The Bisected Brain (poem)**, in *The Cognitive Neuroscience of Mind, A Tribute to Michael S. Gazzaniga*, Editors P.A. Reuter-Lorenz, K. Baynes, G.R. Mangun, & E.A. Phelps, MIT Press, Cambridge Mass, 2010, p. 1.
10. Kutas, M., **Integrated Mind (poem)**, in *The Cognitive Neuroscience of Mind, A Tribute to Michael S. Gazzaniga*, Editors P.A. Reuter-Lorenz, K. Baynes, G.R. Mangun, & E.A. Phelps, MIT Press, Cambridge Mass, 2010, p. 87.
11. Kutas, M., **Social Brain (poem)**, in *The Cognitive Neuroscience of Mind, A Tribute to Michael S. Gazzaniga*, Editors P.A. Reuter-Lorenz, K. Baynes, G.R. Mangun, & E.A. Phelps, MIT Press, Cambridge Mass, 2010, p.

- 123.
12. Kutas, M., *Mind matters (poem)*, in *The Cognitive Neuroscience of Mind, A Tribute to Michael S. Gazzaniga*, Editors P.A. Reuter-Lorenz, K. Baynes, G.R. Mangun, & E.A. Phelps, MIT Press, Cambridge Mass, 2010, p. 189.
 13. Kutas, M., DeLong, K.A., Kiang, M., *From phonemes to discourse: Event-related brain componentry and paradigms for investigating normal and abnormal language processing*. In: J. Guendouzi, F. Loncke, M.J. Williams (Eds.), *The Handbook of Psycholinguistic and Cognitive Processes: Perspectives in Communication Disorders*, Taylor & Francis Group, 2010, pp. 119-144.
 14. Kiang, M., Prugh, J., Kutas, M. *An event-related brain potential study of schizotypal personality and associative semantic processing*. *International Journal of Psychophysiology*, 2010, 75(2) pp. 119-126.
 15. Zion-Golumbic E., Kutas M., Bentin S. *Neural Dynamics Associated with Semantic and Episodic Memory for Faces: Evidence from Multiple Frequency Bands*. *Journal of Cognitive Neuroscience*, 2010, 22(2) pp. 263-277

2009

1. Kutas M., Federmeier K.D. *N400*. *Scholarpedia*, 2009, 4(10):7790
2. Kutas, M., Moreno, E., Wicha, N. *Code-switching and the brain*. In: B. Bullock and A. Toribio (Eds), *The Cambridge Handbook of Linguistic Code-switching*, Cambridge handbooks in linguistics. New York, NY, US: Cambridge University Press. 2009, pp. 289-306.
3. Groppe, D.M., Makeig, S., Kutas, M. *Identifying reliable independent components via split-half comparisons*. *NeuroImage*, 2009, 45(4), pp. 1199-211.
4. Spreckelmeyer, K.N., Kutas, M., Urbach, T.P., Altenmuller, E., Munte, T.F. *Neural processing of vocal emotion and identity*. *Brain and Cognition*, 2009, 69(1) pp. 121-126.

2008

1. Staab, J., Urbach, T.P., Kutas, M. *Negation Processing in Context Is Not (Always) Delayed*. *Center for Research in Language*, 2008, 20(3) pp. 1-34.
2. Kutas, M., DeLong, K.A. *A Sampler of Event-Related Brain Potential (ERP) Analyses of Language Processing*. In: *Brain Research in Language*, Zvia Breznitz (Ed.), New York: Springer-Verlag, 2008, pp. 153-186.
3. Munte, T.F., Kutas, M. *Capitalizing on Deep Brain Stimulation: Thalamus as a Language Monitor*. *Neuron*, 2008, 59(5) pp. 677-679.
4. Senkfor, A.J., Van Petten, C., Kutas, M. *Enactment versus conceptual encoding: Equivalent item memory but different source memory*. *Cortex*, 2008, 44(6) pp. 649-664.
5. Olichney, J.M., Taylor, J.R., Gatherwright, J., Salmon, D.P., Bressler, A.J., Kutas, M., Iragui-Madoz, V.J. *Patients with MCI and N400 or P600 abnormalities are at very high risk for conversion to dementia*. *Neurology*, 2008, 70(19 Pt 2) pp. 1763-70.
6. Kiang, M., Kutas, M., Light, G.A., Braff, D.L. *An event-related brain potential study of direct and indirect semantic priming in schizophrenia*. *American Journal of Psychiatry*, 2008, 165(1) pp. 74-81.

2007

1. Kutas, M., Federmeier, K.D. *Event-related brain potential (ERP) studies of sentence processing*. In: G. Gaskell (Ed.), *Oxford Handbook of Psycholinguistics*, Oxford: Oxford University Press, 2007, pp. 385-406.
2. Schendan, H.E., Kutas, M. *Neurophysiological evidence for transfer appropriate processing of memory: processing versus feature similarity*. *Psychonomic Bulletin and Review*, 2007, 14(4) pp. 612-9.
3. Pesciarelli, F., Kutas, M., Dell'Acqua, R., Peressotti, F., Job, R., and Urbach, T.P. *Semantic and repetition priming within the attentional blink: An event-related brain potential (ERP) investigational study*. *Biological Psychology*, 2007, 76 pp. 21-30.
4. Cowles, H.W., Kluender, R., Kutas, M., and Polinsky, M. *Violations of information structure: An electrophysiological study of answers to wh-questions*. *Brain and Language*, 2007, 102 pp. 228-242.
5. Federmeier, K.D., Wlotko, E.W., De Ochoa-Dewald, E., and Kutas, M. *Multiple effects of sentential constraint on word processing*. *Brain Research*, 2007, 1146 pp. 75-84.
6. Barber, H.A., and Kutas, M. *Interplay between computational models and cognitive electrophysiology in visual word recognition*. *Brain Research Reviews*, 2007, 53 pp. 98-123.
7. Ferretti, T.R., Kutas, M., and McRae, K. *Verb aspect and the activation of event knowledge*. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 2007, 33(1) pp. 182-196.
8. Kutas, M., Federmeier, K.D., Staab, J., and Kluender, R. *Language*. In: J. Cacioppo, L. Tassinary, and G. Berntson (Eds), *Handbook of Psychophysiology*, Cambridge: Cambridge University Press, 2007, pp. 555-580
9. Kiang, M., Kutas, M., Light, G.A., and Braff, D.L. *Electrophysiological insights into conceptual disorganization in schizophrenia*. *Schizophrenia Research*, 2007, 92 pp. 225-236.
10. Kiang, M., Light, G.A., Prugh, J., Coulson, S., Braff, D.L., and Kutas, M. *Cognitive, neurophysiological and functional correlates of proverb interpretation abnormalities in schizophrenia*. *Journal of the International Neuropsychology Society*, 2007, 13 pp. 1-11.

- Schendan, H.E., and Kutas M. Neurophysiological evidence for the time course of activation of global shape, part, and local contour representations during visual object categorization and memory *Journal of Cognitive Neuroscience*, 2007, 19(5) pp. 734-749.

2006

- Kutas, M., Van Petten, C., and Kluender, R. Psycholinguistics electrified II: 1994-2005. In: M. Traxler and M.A. Gernsbacher (Eds.), *Handbook of Psycholinguistics, 2nd Edition*, New York: Elsevier. 2006, pp. 659-724.
- Urbach, T.P., and Kutas, M. Interpreting event-related brain potential (ERP) distributions: implications of baseline potentials and variability with application to amplitude normalization by vector scaling. *Biological Psychology*, 2006, 72(3) pp. 333-343.
- Olichney, J.M., Iragui, V.J., Salmon, D.P., Riggins, B.R., Morris, S.K., and Kutas, M. Absent event-related potential (ERP) word repetition effects in mild Alzheimer's disease. *Clinical Neurophysiology*, 2006, 117(6) pp. 1319-1330.
- Spreckelmeyer, K.N., Kutas, M., Urbach, T.P., Altenmuller, E., and Munte, T.F. Combined perception of emotion in pictures and musical sounds. *Brain Research*, 2006, 1070(1) pp. 160-170.
- Kutas, M. One lesson learned: frame language processing - literal and figurative - as a human brain function. *Metaphor and Symbol*, 2006, 21(4) pp. 285-325.
- Coulson, S., Urbach, T.P., and Kutas, M. Looking back: Joke comprehension and the space structuring model. *Humor: International Journal of Humor Research. Special Issue: Humor research and cognitive linguistics: Common ground and new perspectives*, 2006, 19(3) pp. 229-250.
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Grants Supporting Research

- National Institute of Health T32 DC000041-18, "Language, Communication and the Brain", 2003-2013
- National Institute on Aging RO1 AG08313-O1A1, "Brain potentials (ERPs), Language, Memory, and Aging", 1990-2009
- Public Health Service PHS R1HD22614, "Electrophysiology of Linguistic Processing", 1986-2008
- Research Scientist Development Award USPHS 1K02 MH00322, "Brain Potentials (ERPs) and Violations of Expectancies", 1980-1990
- National Institute of Mental Health, "Electrophysiological studies of priming and recollection", 1995-2000

Invited Presentations

- Invited Keynote Address, Content and Organization of Knowledge and its Use in Language Comprehension, Conference on "Word knowledge and Word usage - Representations and Processes in the Mental Lexicon", April 1, 2015, Pisa, Italy.
- 4th Annual Distinguished Career Contributions in Cognitive Neuroscience Lecture, 45 years of Cognitive Electrophysiology: neither just psychology nor just the brain but the visible electrical interface between the twain, Annual Meeting of Cognitive Neuroscience Society, San Francisco, California, March 28, 2015
- Invited speaker in Exploring the Mind Speaker Series 2013-2014, An Electrophysiological Perspective on Language Comprehension with an Emphasis on Prediction, Plausibility, and Semantic Memory, UC Davis Center for Mind and Brain, Davis, California, March 20, 2014.
- Invited lecture at Cognitive Neuroscience Summer School, Real time Language Prediction - A brain function with potential benefits and costs, Lake Tahoe, July, 6, 2013
- Invited Keynote Address, Electrophysiological Evidence for Prediction and Incrementality in Language Comprehension, Tenerife, March 21, 2013.
- Invited Keynote Address, An Electrophysiological Look at Language: Knowing what happens when, to what degree, and in what context, when something is happening almost all the time, November 30, 2012, Florianopolis, Brazil
- Invited speaker for Inauguration of Cognitive Science Program, Electrophysiological Evidence for Incrementality, Prediction, and Semantic Memory Representations during Sentence Comprehension, Tufts

University, Mass, Sept 14, 2012.

- Invited Psychology Colloquium Speaker, The Electrophysiological Ups and Downs of Incremental Sentence Processing, UC Riverside, Riverside, California, May 24, 2012.
- Keynote speaker, What Electrophysiology has told us about Incrementality, Prediction, and Semantic Memory Representations during Sentence Comprehension, 4th Workshop on Embodied and Situated Language Processing, Bielefeld, Germany, August, 25, 2011.
- Invited Colloquium speaker, Event related Brain Potential Data on the What, When, and How of Language Comprehension, Psychology Department, University of Southern Florida, March 25, 2011.
- Symposium presentation, "Questions, Tools and Inference" in Psychophysiology in the next 50 years, 50th Annual Meeting of the Society for Psychophysiological Research, Portland, Oregon. Sept, 2010
- Symposium presentation, "A Decade of Electrophysiological Studies of Language" in Symposium on The Present as the Past's Future, 50th Annual Meeting of the Society for Psychophysiological Research, Sept, 2010, Portland, Oregon
- Invited talk "Anticipating and incrementing: electrophysiological studies of sentence processing", Symposium on Language, Brain and Cognition , 5th Annual, Institute Center for Cognitive Sciences, University of Minneapolis, Minnesota, Oct 27, 2010.
- Invited talk, "Processing it all" in Marta & Friends: Symposium in honour of Marta Kutas' contributions to cognitive neuroscience, Nijmegen, Netherlands, May 19, 2010.
- Invited address, An Electrophysiological view on using context or not, 29th International Congress of Psychology, 2008, Berlin, Germany.
- Invited speaker at Conference on Use of Electrophysiological measures in language research at University of Haifa, Electrical signs of linguistic knowledge and expectations, Haifa Israel June 2006.
- Invited Speaker. FC Donders Lecture. An electrophysiological view of prediction and integration in language. Nijmegen, The Netherlands. Nov 2005
- Invited speaker, Electrophysiological evidence for probabilistic language prediction in online sentence processing. Adams Super Center for Brain. Tel Aviv University, Nov. 2005.
- Plenary speaker at Gesellschaft fur Neuropsychologie. Mismaking memories, Bremen, Germany October. 2005
- Invited speaker Psychology Dept, University of Haifa, Creating a unified sense: An electrophysiological analysis of words, pictures and hemisphere. Haifa, Israel, July 2005.
- Invited speaker in Conference on Brain and Language at the Gonda Multidisciplinary Brain Research Center. Bar Ilan University. Creating a Unified Sense: An electrophysiology analysis of words, pictures and hemispheres. Tel Aviv, Israel, June 2005.
- Invited speaker in Cognitive Psychology Seminar, Mismaking Memories: Neural precursors of memory illusions in electrical brain activity. Psychology Dept. Hebrew University, Jerusalem. March 2005
- Invited speaker at Beyond the Image Given, scientific meeting on official opening of F.C. Donders Center for Cognitive Neuroscience, "The many sides of meaning: ERP analysis of left and right hemisphere contributions to language (comprehension)", Nijmegen, Netherlands, Sept 19, 2002.
- Invited colloquium for MU Neuroscience Program, "Using memory to make sense: An electrophysiological analysis." University of Missouri, Columbia, Missouri, May 2, 2002.
- Invited speaker at Festschrift for Michael G. H. Coles, "Reflections on Cognitive Neuroscience, Beckman Institute, Champaign, Illinois, April 18, 2002.
- Invited speaker, biannual meeting of the Dutch Society for Experimental Psychology, Making sense of structure: Electrophysiological investigations of semantic memory use in language processing." Egmond aan Zee, December 14, 2001.
- Invited speaker, "Semantic memory use during sentence comprehension", Thirteenth Conference on Event-related potentials of the brain (EPIC XIII), Paris, France, July 11, 2001.
- Invited speaker at NBL (Neurological Basis of Language: An Interdisciplinary Conference on Aphasiological, Computational, and Neuroimaging Approaches), "Brain Sense: ERP investigations of the neurobiology of meaning representation and use during language processing", Groningen, The Netherlands, July 9, 2001.
- Invited colloquium speaker, Department of Psychology, University of California, Berkeley "Semantic memory use during language comprehension." Berkeley, California, May 1, 2001.
- Invited speaker at Symposium on Brain, Language, and Body, National Yang Ming University, "Semantic Memory Use During Language Comprehension", December, 19, 2000, Taipei, Taiwan.
- Keynote speaker, "Using Knowledge to Anticipate, Integrate, and Contemplate Sense", AmLap-2000 (Architectures and Mechanisms for Language Processing), Leiden, Netherlands, September 22, 2000.
- Invited speaker, "An Electrophysiological Analysis of When Memory Meets Meaning", Xth Magdeburg International Neurobiological Symposium: Mechanisms of Learning and Memory, Leibniz Institute for Neurobiology, Magdeburg, Germany, September 19, 2000.
- Lyle Lanier-CAS/MillerComm2001 Lecture, "From the Senses to Sense: An Electrophysiological View on Human Brain Activities", Center for Advanced Study, Beckman Institute, Champaign, Illinois, August 30, 2000.
- Invited speaker at Workshop prior to Annual meeting of Cognitive Neuroscience Society, "Words, pictures, sentences: Electrifying concepts", San Francisco, California, April, 2000.
- Invited speaker at ICON (International Congress on Cognitive Neuroscience), "Language and Aging", Budapest, Hungary, July, 1999.
- Invited lecture on "Electrophysiology of Language Processing". Conference on Mind, Brain, and Language, Center for Advanced Studies, Champaign, Illinois, May 9, 1998.

- Colloquium at Psychology Department, University of Santa Barbara, "Current thinking on language structures: cognitive neuroscience approach to language processing". Santa Barbara, California, May 30, 1997.
- Seminario de Psicología Cognitiva at Universidad Nacional de Educación a Distancia, "Evoked Potentials in Language Processing", Madrid, Spain, May 19, 1997.
- Presentation at Symposium in Homage of Jean Requin at the C.N.R.S., Marseille, "Current Thinking on Language Structures", France, May 15, 1997.
- Presentation at Annual Retreat of McDonnell-Pew Center for Cognitive Neuroscience at San Diego. "Current thinking on language structures: an electrophysiological approach to language processing." April, 1997.
- Colloquium at Institute for Research in Cognitive Science, University of Pennsylvania. "Charging language head on: a cognitive neuroscience approach to language processing. Philadelphia, Pennsylvania, December 6, 1996.
- Colloquium in Department of Psychology, San Diego State University. "A cognitive neuroscience approach to language processing", San Diego, California, December 2, 1996.
- Invited Presentation at Conference on Language Diversity and Cognitive Representations. "Electrical signs of linguistic processing." Paris, France, November 9, 1996.
- Presidential address at Annual Meeting of Society for Psychophysiological Research, "Meeting language head on: constraints from anatomy, meaning, physiology, and structure". Vancouver, Canada, October 19, 1996.
- Invited tutorial on "Language Processing as manifested by ERPs" at ICON VI, Pacific Grove, California, May 31, 1996.
- Colloquium in Department of Psychology, University of Arizona. "Charging language with modal and amodal functions" Tucson, Arizona, April 12, 1996.
- Invited speaker for symposium entitled New approaches to the Neurobiology of Language, "Charging language head on: thirteen ways of looking at a waveform", AAAS Annual Meeting, Baltimore, Maryland, February 10, 1996.
- Invited speaker for symposium entitled What's special about language, "Electrophysiological insights", Cognitive Neuroscience Society Meeting, San Francisco, California, March 26, 1995.
- Invited speaker at Attention and Performance XVI, Kyoto, Japan, July, 1994.
- Invited speaker at Workshop in Event-related potentials and cognition. "ERPs and language", Nijmegen, The Netherlands, July, 1994.
- Lecturer at European Summer School on Cognitive Neuroscience, "The neural architecture of language", Berg en dal, The Netherlands, July 1994.
- Keynote speaker at the California Federation Award Ceremonies at Porterville High School, "The Mind-Body Connection", Porterville, California, April, 1993.
- Colloquium at UC Davis in Frontiers in Contemporary Psychology: Cognitive Neuroscience Series, "Comprehending a brain code for language comprehension", Davis, California, April, 1993.
- Invited speaker to members of Institute of Continued Learning, "Electrophysiology of Aging", La Jolla, California, April, 1993.
- Invited speaker at symposium on Neural Correlates of Cognitive Processing, "In search of constraints for comprehension", 25th International Congress of Psychology, Brussels, Belgium, July 19-24, 1992.
- Paper presented at workshop on Language Perception and Comprehension: Multidisciplinary Approaches, "Event related potentials (ERPs) in language processing: the measure and its validation", Marseille, France, July 14-18, 1992.
- Invited speaker on "Hot topics in cognitive neuroscience" at 5th International Conference on Cognitive Neurosciences (ICON V), Kiryat Anavim (Jerusalem), Israel, June 14-19, 1992.
- Organizer for symposium on "ERP correlates of language processes", 10th International Conference on Event-Related Potentials of the Brain (EPIC X), Eger, Hungary, May 31-June 5, 1992.
- Colloquium at Brain and Cognitive Science Department, MIT, "Putting your best ion forward: an electrophysiological eye on cognition." Boston, Mass, May, 1992.
- Invited presentation on "Electrophysiological approaches to language processing" at Workshop on Aphasia sponsored by San Diego McDonnell-Pew Center for Cognitive Neuroscience, San Diego, February 11, 1992.
- Invited speaker at Symposium on "Electrophysiology of Language" at AAAS meeting, Chicago, February 7, 1992.
- Invited lecture at conference on New Developments in Event-Related Potentials, "An electrophysiological view on language". Hanover, West Germany, May 15-18, 1991.
- Invited speaker at the McDonnell-Pew Cognitive Neuroscience Workshop on Brain physiology and cognition: a tribute to Bob Galambos. "Constraints on comprehension -- It ain't easy, even when the brain potentials are asymmetric." UCSD, La Jolla, California, January 19, 1991.
- Colloquium to the Laboratory of Experimental Psychology of the Free University Brussels. "Electrophysiological approaches to language comprehension." Brussels, Belgium. October 27, 1990.
- Invited speaker at Thirtieth annual meeting of the Society for Psychophysiological Research. "Constraints on Comprehension". Boston, Mass. October 17-21, 1990.
- Lecture for the James S. McDonnell Foundation Summer Institute for Cognitive Neuroscience 1990. "Electrical Maps of Language." Dartmouth College and Medical School, Hanover, New Hampshire, July 13, 1990.
- TENNET Annual Meeting, "Semantic Priming from an Electrophysiological Perspective" invited speaker in a Symposium on Semantic Priming: Neuropsychological evidence and its theoretical implications. Montreal,

- Canada, May 10-12, 1990.
- Invited speaker for dedication of Neuroscience Building at Oberlin College. "Electrical Lexicons: Electrophysiological approaches to language comprehension." Oberlin College, April 28, 1990.
 - Member of faculty of 1990 European Training Program School on Neural Correlates of Cognitive Processes. "Event-Related Potential Studies of Language Processing." Zuoz, Switzerland. January 3-20, 1990.
 - General Colloquium at the C.N.R.S. in Marsailles. "An Electrophysiological perspective on language comprehension". Marseille, France. December 15, 1989.
 - International Society of Psychophysicists. "ERP approaches to linguistic analyses, in and out of the attentional spotlight." Cassis, France. October 21-24, 1989.
 - Sylvia Beach Conference Language Comprehension Conference 1989. "An Electrophysiological Route to Comprehension." Newport, Oregon. July 21-22, 1989.
 - Lecture for the James S. McDonnell Foundation Summer Institute for Cognitive Neuroscience 1989. "Electrical Maps of Memory." Dartmouth College and Medical School, Hanover, New Hampshire, July 7, 1989.
 - Presentation at the International Symposium on Advanced Evoked Potentials and Related Techniques in Clinical Neurophysiology: Basic Principles and Special Applications. "ERPs and Language Processing." Rome, Italy. May 26, 1989.
 - Colloquium at the C.N.R. Istituto di Psicologia. "Electrophysiological Approaches to Language Processing". Rome, Italy. May 23, 1989.
 - Presentation in the Neural and Behavioral Biology seminar series at the University of Illinois at Urbana-Champaign. "What comes first, meaning or context: A view of word processing fueled by the electrical activity of the brain." Champaign, Illinois. April 25, 1989.
 - Arizona Conference on Sleep and Cognition. "Evoked Potentials in Sleep." University of Arizona, Tucson, Arizona. January 20-22, 1989.
 - Colloquium at Psychology Department, University of New Mexico. "An approach to language processing using event-related brain potentials." Albuquerque, New Mexico. December 4, 1988.
 - Colloquium at Psychology Department, Carnegie Mellon University. "An electrophysiological approach to language comprehension." Pittsburgh, Pennsylvania. December 1, 1988.
 - Twenty-ninth Annual Meeting of the Psychonomic Society. "On line measures of word comprehension." Symposium on Event Related Potentials as Tools for Studying Cognition. Chicago, Illinois. November 10, 1988.
 - Workshop on Event-Related Potentials and Language Processing. "How ERP's can be used as a measure of on-line language processing." Max Planck Institute for Psycholinguistik, Nijmegen, Netherlands. October 12, 1988.
 - Invited address to the annual meeting of the American Educational Research Association. "Event-Related Potential Studies of Language and Education." New Orleans, Louisiana. April 5-9, 1988.
 - Conference on Neurobiology: Brain and Cognitive Development. "Electrical and Magnetic Recording of Brain Activity." San Diego, California. March 24-25, 1988.
 - Lecture to the National Advisory Board to the Medical College of Pennsylvania. "Research in cognitive neuroscience and its relation to our daily lives." Rancho Bernardo, California. February 25, 1988.
 - Co-Organizer with B. Renault of Fourth International Conference on Cognitive Neuroscience. Paris-Dourdan, France. June, 1987.
 - Regional Symposium on evoked potentials. "Practical methods for recording cognitive event-related potentials"; "Language and hemispheric specialization." Bangkok, Thailand. February, 1987.
 - Twenty-sixth annual meeting of Society for Psychophysiological Research. Symposium on the Psychophysiology of Brain Asymmetry. "Brain asymmetries indexed by event-related brain potentials (ERPs)." Montreal, Canada. October 16-19, 1986.
 - Eighth International Conference on Event-Related Potentials of the Brain (EPIC VIII). Chairman: "Language and Hemispheric Specialization." Stanford, California. June 22-28, 1986.
 - General Colloquium to the Laboratory of Functional Neuroscience at the C.N.R.S. in Marseille. "Electrophysiological approaches to language." Marsaille, France. May 6, 1986.
 - Fourteenth Annual International Neuropsychological Society Meeting. Symposium on Familial Sinistrality. "The influence of familial sinistrality on the lateral asymmetry of event-related brain potentials (ERPs) to words silently read." Denver, Colorado. February, 1986.
 - Presentation at Psychology Department, Princeton University. "The use of event-related brain potentials in the study of language processes." Princeton, New Jersey. December 10, 1985.
 - Conference on current research on the sources of human event-related potentials recorded from the scalp: Where in the brain do they come from? "The N400 wave" held at the Neurosciences Institute of the Neurosciences Research Program at Rockefeller University, New York City, December 3-6, 1985.
 - "Language and Brain Waves." Colloquium, Psychology Department, San Diego State University. San Diego, California. November, 1985.
 - Twenty-fifth annual meeting of Society for Psychophysiological Research. Symposium on language processing. "ERP comparisons of the effects of single word and sentence contexts on word processing." Houston, Texas. October 17-20, 1985.
 - Eleventh International Congress of Electroencephalography and Clinical Neurophysiology. Symposium on Event-related Potentials and Cognition Processing, "Language processing and cognition potentials." London, England. August, 1985.
 - Salk Institute for Biological Sciences Colloquium. La Jolla, California. "The Potential in Words: Sentence

- Encoding and Memory Processes as Revealed by Brainwaves." April, 1985.
- Thirteenth Annual International Neuropsychological Society Meeting, Symposium on bilingualism and brain lateralization: Current experimental approaches, "Event-related brain potentials in bilinguals during reading". San Diego, California. February, 1985.
 - Seventh Annual Carmel Workshop on Cognitive Psychophysiology: Magnetic and electrical event-related brain activity as a tool in the study of cognitive function. Carmel, California. January, 1985.
 - "ERPs and language." Third International Congress on Cognitive Neuroscience. Bristol, England. September, 1984.
 - Sixth Annual Carmel Workshop on Cognitive Psychophysiology: Philosophical Implications. "Cognition models and ERP data." Bellagio, Italy. December, 1983.
 - Colloquium presentation of Fairview Hospital in association with the Department of Psychiatry, University of California, Irvine. "Brain electrical activity and language processing." Irvine, California. November, 1983.
 - Twenty-third annual meeting of the Society for Psychophysiological Research Workshop on Data Analysis in ERP Research. "The Difference waveform - Same caveats." Pacific Grove, California. September 25-28, 1983.
 - "Electrical lexicons: Evidence from new wave research on word processing." Colloquium, Psychology Department, University of Wisconsin. Madison, Wisconsin. May, 1983.
 - Carmel Conference on Event-Related Potentials. Carmel, California. January, 1983.
 - Franco-American Conference on "Preparatory States and Processes". Ann Arbor, Michigan. August 9-13, 1982.
 - Winter Conference on Brain Research. Psychologic and Neurologic Analysis of the Separated Hemispheres. Steamboat Springs, Colorado. January, 1982.
 - Carmel Conference on Event-Related Potentials. Carmel, California. January, 1982.
 - Sixth International Conference on Event-related Slow Potentials of the Brain, Cognition and EPs: The Relation of Post-Stimulus Negative Processes. EPIC VI, Lake Forest, Illinois. June, 1981.
 - Winter Conference on Brain Research. Event-related Potentials and Clinical Populations. Keystone, Colorado. January, 1981.
 - Carmel Conference on Event-Related Potentials Semantic Processing and ERPs: A Case Study. Carmel, California. January 6-10, 1981.
 - Program in Cognitive Neuroscience: Opportunities for Training. Santa Barbara, California. August, 1980.
 - Carmel Conference on Event-Related Potentials. Carmel, California. January, 1980.
 - Neurosciences Research Program. Boston, Massachusetts. Scribe Work Session on "Electrophysiological Approaches to Human Cognitive Processing". September, 1979.