

05/15/08

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EDUCATION

1981 B.A. Psychology, Reed College, Portland, Oregon
1989 Ph.D Neurosciences, University of California, San Diego
1990 Postdoc, Cognitive Science, University of California, San Diego

PROFESSIONAL HISTORY

2007-present Professor, Department of Psychology, Binghamton University
2003-2008 Professor, University of Arizona, Department of Psychology. Member
Committee on Neuroscience, and Cognitive Science program
2002-2003 Director, Cognitive Psychology Program in Department of Psychology,
University of Arizona
1991-2003 Assistant and Associate Professor, University of Arizona, Department of
Psychology
1990 Postgraduate Research Cognitive Scientist, UCSD, Department of
Cognitive Science
1983-1989 Graduate research, UCSD: Department of Neurosciences
1981-1983 Research assistant: Oregon Regional Primate Research Center
(Beaverton, Oregon)
1980-1981 Student researcher, Neurological Sciences Institute of Good Samaritan
Hospital (Portland, Oregon); Research assistant, Reed College

HONORS and AWARDS

1994 Award for Distinguished Early Career Contributions to Psychophysiology from
Society for Psychophysiological Research
1984-1987 National Science Foundation Predoctoral Fellow
1983-1984 University of California Regents Fellow
1980 Neurological Sciences Institute of Good Samaritan Hospital, Summer Fellow

PROFESSIONAL ACTIVITIES

Reviewing of grants

NIH site visitor Specialized Neuroscience Research Program, December 2006

NSF site visitor Science of Learning Center program, October 2005

NIH scientific review panels Cognition & Perception (formerly BBBP4), 2001-2004
Language & Communication (formerly BBBP3), 2000-2001

Grant reviews (ad-hoc or temporary service) Australian Research Council Grants Committee; International Human Frontier Science Program; Israel Science Foundation; McQuarie University Fellowship Committee; NIH Communication Disorders study section; NIH Language and Communication study section; NIH General Medical Sciences study section; NIH SCORE study section; NIH Deafness & Communication Disorders Special Emphasis study section; NIH Loan Repayment program; NIH Mental Health BSTART program; NSF Linguistics program; NSF Cognitive Neuroscience program; United States Civilian Research and Development Foundation

Journal service

Associate (action) editor *Psychophysiology*, 1998-2001

Editorial board *Cognitive, Affective, and Behavioral Neuroscience*, June 2007-present

Manuscript reviews: *Acta Psychologica; Behavioral Neuroscience; Biological Psychology; Biological Psychiatry; Brain Research; Cahiers de Psychologie Cognitive; Cerebral Cortex, Cognition; Cognitive, Affective, and Behavioral Neuroscience; Cognitive Brain Research; Cognitive Neuropsychology; Cortex; Developmental Neuropsychology; Emotion; Hippocampus; International Journal of Neuroscience; Journal of Abnormal Psychology; Journal of Cognitive Neuroscience; Journal of Developmental Psychology; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Memory and Language; Journal of Neurophysiology; Journal of Neuroscience; Journal of Psychophysiology; Journal of Speech, Language, and Hearing; Language & Cognitive Processes; Memory & Cognition; Nature Neuroscience; Neurobiology of Aging; Neuropsychologia; Neuropsychological Rehabilitation; Neuropsychology; Neuroscience Letters; Psychobiology; Psychological Science; Psychological Medicine; Psychology and Aging; Psychonomic Bulletin and Review; Psychophysiology; Schizophrenia Research*

Conferences

Scientific program chair	Society for Psychophysiological Research, 35th annual meeting, Toronto, 1995
Scientific program committee	Society for Psychophysiological Research, 34 th and 36 th annual meetings, Atlanta, 1994, Vancouver, 1996
Co-organizer	Workshop on Event-related Potentials in Language Processing, Tucson, March 1991

TEACHING EXPERIENCE

<i>Biopsychology</i> (undergraduate)	<i>Cognitive Neuroscience</i> (graduate)
<i>Brain and Cognition</i> (undergraduate)	<i>Neural Bases of Language</i> (graduate)
<i>Human Memory</i> (undergraduate)	

RESEARCH INTERESTS

- Language processing (comprehension, and the interface between semantic processing and word identification)
- Memory (role of prefrontal cortex, and changes during normal aging)

PUBLICATIONS (*student or postdoctoral author when data were collected)

- Van Petten, C., & *Macizo, P. (under revision). When bovines bloom: Attentional and temporal factors determine access to embedded words in speech perception.
- *Kuo, T.Y., Van Petten, C., & Cody, K. (under revision). The role of feature overlap in source memory accuracy and brain electrical activity.
- Duncan, C.C., Barry, R.J., Connolly, J.F., Fischer, C., Michie, P.T., Näätänen, R., Polich, J., Reinvang, I., & Van Petten, C. (submitted). Event-related potentials in clinical research: Guidelines for eliciting, recording, and quantifying Mismatch Negativity, P300, and N400.
- *Kuo, T.Y., & Van Petten, C. (2008). Perceptual difficulty in source memory encoding and retrieval: Prefrontal versus parietal electrical brain activity. *Neuropsychologia*, *46*, 2243-2257.
- *Senkfor, A.J., Van Petten, C., & Kutas, M. (2008). Enactment versus conceptual encoding: Equivalent item memory but different source memory. *Cortex*, *44*, 649-664.
- *Folstein, J., Van Petten, C., & *Rose, S. (2008). Novelty and conflict in the categorization of complex stimuli: Event-related potential correlates. *Psychophysiology*, *45*, 467-479.
- *Folstein, J., & Van Petten, C. (2008). Influence of cognitive control and mismatch on the N2 component of the ERP: A review. *Psychophysiology*, *45*, 152-170.
- *Macizo, P., & Van Petten, C. (2007). Syllable frequency in lexical decision and naming of English words. *Reading and Writing*, *20*, 295-331.
- *Coulson, S., & Van Petten, C. (2007). A special role for the right hemisphere in metaphor comprehension? ERP evidence from hemifield presentation. *Brain Research*, *1146*, 128-145.
- Kutas, M., Van Petten, C., & Kluender, R. (2006). Psycholinguistics electrified II: 1995-2005. In M. Traxler & M.A. Gernsbacher (Eds.), *Handbook of Psycholinguistics, second edition* (pp 659-724). New York: Elsevier.
- Swick, D., *Senkfor, A.J., & Van Petten, C. (2006). Source memory retrieval is affected by aging

- and prefrontal lesions: Behavioral and ERP evidence. *Brain Research*, 1107, 161-176.
- *Kuo, T.Y., & Van Petten, C. (2006). Prefrontal engagement during source memory retrieval depends on the prior encoding task. *Journal of Cognitive Neuroscience*, 18, 1133-1146.
- Van Petten, C., & Luka, B.L. (2006). Neural localization of semantic context effects in electromagnetic and hemodynamic studies. *Brain and Language*, 97, 279-293.
- Coulson, S., Federmeier, K., Van Petten, C., & 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.
- *Folstein, J.R., & Van Petten, C. (2004). Multidimensional rule, unidimensional rule, and similarity strategies in categorization: Event-related potential correlates. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30, 1026-1044.
- Van Petten, C. (2004). Relationship between hippocampal volume and memory ability in healthy individuals across the lifespan: Review and meta-analysis. *Neuropsychologia*, 42, 1394-1413.
- Van Petten, C., Plante, E., *Davidson, P.S.R., *Kuo, T.Y., *Bajuscak, L., & Glisky, E.L. (2004). Memory and executive function in older adults: Relationships with temporal and prefrontal gray matter volumes and white matter hyperintensities. *Neuropsychologia*, 42, 1313-1335.
- Federmeier, K.D., Van Petten, C., Schwartz, T.J., & Kutas, M. (2003). Sounds, words, sentences: Age-related changes across levels of language processing. *Psychology and Aging*, 18, 858-872.
- Schwartz, T.J., Federmeier, K.D., Van Petten, C., Salmon, D.P., & Kutas, M. (2003). Electrophysiological analysis of context effects in Alzheimer's dementia. *Neuropsychology*, 17, 187-201.
- Van Petten, C. (2002). Lexical ambiguity resolution. In L. Nadel (Ed.), *Encyclopedia of Cognitive Science* (pp 867-872). London: Macmillan.
- Halgren, E., Dhond, R., Christensen, N., Van Petten, C., Marinkovic, K., Lewine, J.D., & Dale, A.M. (2002). N400-like MEG responses modulated by semantic context, word frequency, and lexical class in sentences. *Neuroimage*, 17, 1101-1116.
- *Coulson, S., & Van Petten, C. (2002). Conceptual integration and metaphor: an event-related brain potential study. *Memory and Cognition*, 30, 958-968.
- Reprinted in *The Cognitive Linguistics Reader*, 2007, editors V. Evans, B.K. Bergen, & J. Zinken. London: Equinox Publishing.
- Van Petten, C., *Luka, B.J., *Rubin, S.R., & *Ryan, J.P. (2002). Frontal brain activity predicts individual performance in an associative memory exclusion task. *Cerebral Cortex*, 12, 1180-1192.
- *Senkfor, A.J., Van Petten, C., & Kutas, M. (2002). Episodic action monitoring for real objects: An ERP investigation with Perform, Watch, and Imagine action encoding tasks versus a non-action encoding task. *Journal of Cognitive Neuroscience*, 14, 402-419.
- Plante, E., Van Petten, C., & *Senkfor, A.J. (2000). Electrophysiological dissociation between verbal and nonverbal processing in learning disabled adults. *Neuropsychologia*, 38, 1669-1684.
- Olichney, J., Van Petten, C., Paller, K., Salmon, D., Iragui, V., & Kutas, M. (2000). Word repetition in amnesia: Electrophysiological evidence of spared and impaired memory. *Brain*, 123, 1948-1963.
- Van Petten, C., *Senkfor, A.J., & *Newberg, W.M. (2000). Memory for drawings in locations: Spatial source memory and event-related potentials. *Psychophysiology*, 37, 551-564.
- Reiman, E., Lane, R.D., Van Petten, C., & Bandettini, P.A. (2000). Positron emission tomography and functional magnetic resonance imaging. In J.T. Cacioppo, L.G. Tassinary, & G.G. Berntson (Eds.), *Handbook of Psychophysiology, second edition* (pp 85-118). Cambridge: Cambridge University Press.

- *Rubin, S.R., Van Petten, C., Glisky, E.L., & *Newberg, W.M. (1999). Memory conjunction errors in younger and older adults: Event-related potential and neuropsychological evidence. *Cognitive Neuropsychology*, *16*, 459-488.
- Van Petten, C., *Coulson, S., *Rubin, S., Plante, E., & *Parks, M. (1999). Timecourse of word identification and semantic integration in spoken language. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *25*, 394-417.
- Van Petten, C., & Bloom, P.A. (1999). Speech boundaries, syntax, and the brain. *Nature Neuroscience*, *2*, 103-104.
- *Senkfor, A.J., & Van Petten, C. (1998). Who said what? An event-related potential investigation of source and item memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *24*, 1005-1025.
- Van Petten, C., *Weckerly, J., *McIsaac, H.K., & Kutas, M. (1997). Working memory capacity dissociates lexical and sentential context effects. *Psychological Science*, *8*, 238-242.
- Van Petten, C., & *Senkfor, A.J. (1996). Memory for words and novel visual patterns: Repetition, recognition, and encoding effects in the event-related brain potential. *Psychophysiology*, *33*, 491-506.
- Van Petten, C. (1995). Words and sentences: Event-related brain potential measures. *Psychophysiology*, *32*, 511-525.
- Van Petten, C., & *Rheinfelder, H. (1995). Conceptual relationships between spoken words and environmental sounds: Event-related brain potential measures. *Neuropsychologia*, *33*, 485-508.
- Kutas, M., & Van Petten, C. (1994). Psycholinguistics electrified: Event-related brain potential investigations. In M. Gernsbacher (Ed.), *Handbook of Psycholinguistics* (pp 83-143). New York: Academic Press.
- Van Petten, C. (1993). A comparison of lexical and sentence-level context effects and their temporal parameters. *Language and Cognitive Processes*, *8*, 485-532.
- Besson, M., Kutas, M., & Van Petten, C. (1992). An event-related potential analysis of semantic congruity and repetition effects in sentences. *Journal of Cognitive Neuroscience*, *4*, 132-149.
- Van Petten, C., Kutas, M., Kluender, R., Mitchiner, M., & McIsaac, H. (1991). Fractionating the word repetition effect with event-related potentials. *Journal of Cognitive Neuroscience*, *3*, 131-150.
- Van Petten, C., & Kutas, M. (1991). Electrophysiological evidence for the flexibility of lexical processing. In G. Simpson (Ed.), *Word and Sentence* (pp 129-174). Amsterdam: North Holland Press.
- Van Petten, C., & Kutas, M. (1991). Influences of semantic and syntactic context on open and closed class words. *Memory and Cognition*, *19*, 95-112.
- Besson, M., Kutas, M., & Van Petten, C. (1990). ERP signs of semantic congruity and word repetition in sentences. In C.H.M. Brunia, A.W.K. Gaillard, A. Kok (Eds.), *Psychophysiological Brain Research, Vol. 1* (pp 259-262). Tilburg, Germany: Tilburg University Press.
- Van Petten, C., & Kutas, M. (1990). Interactions between sentence context and word frequency in event-related brain potentials. *Memory and Cognition*, *18*, 380-393.
- Kutas, M., & Van Petten, C. (1990). Electrophysiological perspectives on comprehending written language. In P.M. Rossini and F. Mauguere (Eds.), *New Trends and Advanced Techniques in Clinical Neurophysiology, Journal of Electroencephalography and Clinical Neurophysiology Supplement 41*, 155-167. Amsterdam: Elsevier.
- Gazzaniga, M.S., Kutas, M., Van Petten, C., & Fendrich, R. (1989). Human callosal function: MRI-verified neuropsychological functions. *Neurology*, *39*, 942-946.
- Kutas, M., & Van Petten, C. (1988). Event-related brain potential studies of language. In: P.K. Ackles, J.R. Jennings and M.G.H. Coles (Eds.), *Advances in Psychophysiology, Vol. 3* (pp 139-187). Greenwich, Connecticut: JAI Press.

- Van Petten, C., & Kutas, M. (1988). Tracking the time course of meaning activation. In S. Small, G. Cottrell and M. Tanenhaus (Eds), *Lexical Ambiguity Resolution in the Comprehension of Human Language* (pp 431-475). Morgan Kaufmann Publishers.
- Van Petten, C., & Kutas, M. (1988). The use of event-related potentials in the study of brain asymmetries. *International Journal of Neuroscience*, 39, 91-99.
- Kutas, M., Van Petten, C., & Besson, M. (1988). Event-related potential asymmetries during the reading of sentences. *Electroencephalography and Clinical Neurophysiology*, 69, 218-233.
- Van Petten, C., & Kutas, M. (1987). Ambiguous words in context: an event-related potential analysis of the time course of meaning activation. *Journal of Memory and Language*, 26, 188-208.
- Neuringer, M., Connor, W., Van Petten, C., & Barstead, L. (1984). Dietary omega-3 fatty acid deficiency and visual loss in infant rhesus monkeys. *Journal of Clinical Investigation*, 73, 272-276.
- Van Petten, C., Roberts, W.J., & Rhodes, D.L. (1983). Behavioral test of tolerance for aversive mechanical stimuli in sympathectomized cats. *Pain*, 15, 177-189.

PRESENTATIONS

Invited presentations

- "Prediction and integration in language comprehension", Mind, Brain & Language seminar series, Stony Brook University. Stony Brook NY, November 2007.
- "Memory and executive function", University of California Irvine, Department of Cognitive Sciences. Irvine CA, February 2007.
- "Two short talks on electrophysiological approaches to language comprehension and memory", Binghamton University, Department of Psychology. Binghamton NY, February 2007.
- "Memory and executive function", Reed College, Philosophy, Religion, Psychology & Linguistics Divisional Speaker Symposium. Portland OR, September 2006.
- "Prefrontal and posterior cortical contributions to episodic memory: Electrophysiological studies of process- and content-specificity", University of Illinois, Neurosciences colloquium. Champaign IL, May 2003.
- "Semantic integration in sentence processing: Electrophysiological studies", University of Southern California Psychology Department colloquium. Los Angeles, April 2002.
- "Relationships between single-word and sentence comprehension: Electrophysiological evidence", Simposia de Psicolinguística V. Granada, Spain, May 2001.
- "Spoken word recognition and meaning", 140th meeting of the Acoustical Society of America. Newport Beach, CA, December 2000.
- "Language and psychophysiology", University of Groningen summer institute in Behavior, Cognition, and Neuroscience. Groningen, the Netherlands, July 1999.
- "Semantic integration and spoken word recognition", Max-Planck Institute for Psycholinguistics. Nijmegen, the Netherlands, July 1999.
- "Who needs spreading activation?", Neurolinguistics unit of the Max Planck Institute for Psycholinguistics. Nijmegen, the Netherlands, July 1999.
- "Changes in cognition and brain activity with aging and experience", Memory, Aging, and the Brain lecture and discussion series (sponsored by the Arizona Senior Academy and the University of Arizona). Tucson, February 1999.
- "Sentence context effects in the event-related potential", Thirty-fourth annual meeting of the Society for Psychophysiological Research. Atlanta, October 1994
- "Event-related potentials in cognitive neuroscience", Reed College Psychology Convention.

Portland, June 1994.

"ERP studies of syntactic processing: a critical review", Fifth International Conference on Cognitive Neurosciences. Jerusalem, June 1992.

"Working memory and sentence processing", Cognitive Event-Related Potentials Workshop: Assessment of Current Research and Prospects for Applications (sponsored by Central Intelligence Agency). Washington, DC, July 1992.

Submitted talks

"Access to embedded words in speech perception", forty-seventh annual meeting of the Society for Psychophysiological Research. Savannah, October 2007.

"Item recognition precedes retrieval of contextual detail...but what do recollection and familiarity have to do with it?", Memory Disorders Research Society. Toronto, September 2006.

"Attentional and temporal factors drive access to embedded words in speech perception", Eleventh annual meeting of the Cognitive Science Association for Interdisciplinary Learning (CSAIL). Hood River OR, August 2006 [Van Petten & Macizo].

"Transfer-appropriate processing reduces prefrontal engagement during source memory retrieval", Memory Disorders Research Society. Tucson, September 2005 [Van Petten & Kuo].

"Prefrontal engagement during source memory retrieval depends on the prior encoding task", Ninth International Conference on Cognitive Neuroscience (ICON 9). Havana, Cuba, September 2005 [Kuo & Van Petten].

"Source memory and prefrontal ERPs", Eighth International Conference on Cognitive Neuroscience. Porquerolles France, September 2002.

"Lexical priming and sentence processing", Thirteenth CUNY sentence processing conference. San Diego, March 2000. [Coulson & Van Petten]

"Electrophysiological studies of source memory", Memory Disorders Research Society. Tucson, November 1999.

"Timecourse of word identification and semantic integration in spoken language", Twelfth International Congress on Event-Related Brain Potentials. Boston, July 1998.

"Brain potentials and memory: Recent developments" (discussant), Thirty-sixth annual meeting of the Society for Psychophysiological Research. Vancouver BC, October 1996.

"The impact of working memory capacity on the use of lexical and sentence-level semantic context: Event-related brain potential evidence", Seventh Annual CUNY Sentence Processing Conference. Tucson, March 1995.

"Who said what? Source and item memory", annual meeting of the McDonnell-Pew centers for Cognitive Neuroscience. Tucson, January 1995.

"Electrophysiological evidence for the flexibility of lexical processing", American Association for the Advancement of Science. Chicago, February 1992.

"Distinctiveness, memory, and ERPs", Twelfth annual Carmel Workshop on Cognitive Psychophysiology. Carmel CA, January 1992.

"A comparison of lexical and sentential context effects", annual meeting of the McDonnell-Pew Centers in Cognitive Neuroscience. Miami, January 1992.

Local colloquia & workshops

"Executive function and human memory", University of Arizona Neurosciences Data Blitz, Tucson, March 2005.

"Prefrontal and posterior cortical contributions to episodic memory: Electrophysiological studies of process- and content-specificity", University of Arizona Psychology Department colloquium, Tucson, August 2002.

- "Spoken word identification and semantic processing", Lexical Processing Workshop. Tucson, September 1997.
- "Word identification and semantic integration in spoken language comprehension", Cognitive Brown Bag series, University of Arizona. Tucson, November 1996.
- "PET and ERP correlates of semantic processing", Neuroscience Community Data Blitz. Tucson, March 1996.
- "Word frequency influences two functional processes at distinct time points during word recognition", Workshop on Lexical Processing. Tucson, November 1995.
- "Memory for words and novel visual patterns: Event-related potential correlates", Cognitive Brown Bag series, University of Arizona. Tucson, November 1993.

Posters

- "After the P300: a late ERP index of stimulus evaluation for complex categorization rules", fourteenth annual meeting of the Cognitive Neuroscience Society. New York, May 2007. [Folstein, Van Petten, & Wong].
- "The role of feature overlap in source memory accuracy and brain electrical activity", fourteenth annual meeting of the Cognitive Neuroscience Society. New York, May 2007. [Kuo, Van Petten, & Cody].
- "Categorical processing in schizophrenia", American College of Neuropsychopharmacology. Hollywood, Florida, December 2006. [Niznikiewicz, Folstein, Van Petten, & McCarley].
- "The role of feature integration in source memory accuracy and brain electrical activity", thirteenth annual meeting the Cognitive Neuroscience Society. San Francisco, April 2006. [Kuo & Van Petten].
- "Strength of semantic association influences N400 amplitude, but perhaps not reaction time", Ninth International Conference on Cognitive Neuroscience (ICON 9). Havana, Cuba, September 2005 [Luka & Van Petten].
- "Opposition between rule- and similarity-based strategies in categorization: ERP correlates", Society for Psychophysiological Research, forty-fourth annual meeting. Santa Fe NM, October 2004. [Folstein, Van Petten, & Rose].
- "Qualitative types of relatedness: ERP differences between semantic similarity and lexical contiguity", Linguistic Society of America Annual Meeting. Atlanta, January 2003. [Luka & Van Petten]
- "Individual differences in prefrontal ERPs and source memory accuracy", ninth annual meeting of the Cognitive Neuroscience Society. San Francisco, April 2002. [Van Petten & Rubin]
- "Visual categorization after rule and non-rule based training: Performance and electrophysiology", ninth annual meeting of the Cognitive Neuroscience Society. San Francisco, April 2002. [Folstein & Van Petten]
- "Qualitative versus quantitative measures of semantic relationship: Electrophysiological interactions", ninth annual meeting of the Cognitive Neuroscience Society. San Francisco, April 2002. [Luka & Van Petten]
- "Event-related brain response to literal and figurative language in left-handers", fortieth annual meeting of the Society for Psychophysiological Research. San Diego, October 2000. [Coulson, Van Petten, & Folstein].
- "ERPs to parafoveally presented metaphors: The role of the right hemisphere", annual meeting of the Cognitive Neuroscience Society. San Francisco, April 2000. [Coulson & Van Petten].
- "Memory for drawings in locations: Spatial source memory and event-related potentials", International Congress of Psychophysiology. Sydney Australia, February 2000. [Van Petten, Senkfor, & Newberg].
- "Word repetition in amnesia: Electrophysiological evidence of spared and impaired memory",

- Society for Cognitive Neuroscience, sixth annual meeting. Washington DC, April 1999. [Olichney, Van Petten, Paller, & Kutas].
- "Lexical association versus higher-level semantic context: ERP interactions", Society for Cognitive Neuroscience, sixth annual meeting. Washington DC, April 1999. [Van Petten, Coulson, Weckerly, Federmeier, Folstein, & Kutas].
- "Episodic action memory: An ERP analysis", Society for Cognitive Neuroscience, sixth annual meeting. Washington DC, April 1999. [Senkfor, Van Petten, & Kutas].
- "Conceptual integration and metaphor: An ERP study", Society for Cognitive Neuroscience, sixth annual meeting. Washington DC, April 1999. [Coulson & Van Petten].
- "N400-like MEG responses related to semantic congruity, word frequency, and word position in sentences", BioMag98. Sendai, Japan, August 1998. [Halgren, Parker, Lewine, Paulson, & Van Petten]
- "That's not funny, let alone hilarious: Readers' sensitivity to constructional violations", CUNY Sentence Processing Conference. New Brunswick NJ, March 1998. [Coulson & Van Petten].
- "ERP analysis of episodic memory for actions", Society for Psychophysiological Research, thirty-eighth annual meeting. Denver, September 1998. [Senkfor, Van Petten, & Kutas].
- "Memory conjunction errors in older and younger adults: Event-related potential and neuropsychological investigations", Society for Cognitive Neuroscience, fifth annual meeting. San Francisco, March 1998. [Rubin, Van Petten, Glisky, & Newberg]
- "ERP measures of source and item memory in young and elderly subjects", Thirty-sixth annual meeting of the Society for Psychophysiological Research. Vancouver BC, October 1996. [Senkfor & Van Petten].
- "When does phonology meet semantics? ERP evidence for early semantic processing", Thirty-sixth annual meeting of the Society for Psychophysiological Research. Vancouver BC, October 1996. [Van Petten, Rubin, Plante, & Clark].
- "When does phonology meet semantics?", XXVI International Congress of Psychology. Montreal, August 1996. [Van Petten, Rubin, Plante & Parks].
- "Item and source memory in young and elderly subjects: An event-related brain potential investigation", XXVI International Congress of Psychology. Montreal, August 1996. [Senkfor & Van Petten].
- "PET and ERP measures of semantic and repetition priming", Thirty-fifth annual meeting of the Society for Psychophysiological Research, Toronto, October 1995. [Van Petten, Reiman, & Senkfor].
- "Who said what? ERP measures of source and item memory", Society for Cognitive Neuroscience, second annual meeting. San Francisco, March 1995 [Senkfor & Van Petten].
- "Memory for words and novel visual patterns", Society for Cognitive Neuroscience, inaugural meeting. San Francisco, March 1994. [Van Petten & Senkfor]
- "Conceptual relationships between speech and nonspeech sounds", Society for Cognitive Neuroscience, inaugural meeting. San Francisco, March 1994. [Rheinfelder & Van Petten]
- "What's critical about the critical period? First language processing in bilinguals as revealed in ERPs", Sixth annual CUNY Sentence Processing Conference. Amherst, Massachusetts. March 1993. [Kutas, Kluender, Bates & Van Petten]
- "Interactions between word frequency and sentence context determine N400 amplitude", Fourth International Conference on Cognitive Neuroscience. Dourdan, France, June, 1987. [Van Petten & Kutas]

GRANTS

Principal investigator

2005-2010 Cognitive and Neural Bases of Aging and Memory, National Institute on Aging

- (2RO1 AG14792). Total costs: \$2,213,548.
- 2005-2007** Categorization and prefrontal cortex: ERP studies, National Institute of Mental Health. (RO3 MH073703). Total costs: \$150,000
- 1997-2004** Cognitive and Neural Bases of Aging and Memory, National Institute on Aging (RO1 AG14792). Direct costs: \$1,044,183.
- 1992-1997** Electrophysiology of Cognitive Processing, National Institute for Neural Disorders and Stroke (R29 NS30825). Direct costs: \$346,196.

Investigator / postdoctoral sponsor / consultant

- 2004-2009** Predoctoral Training Program in Neuroscience, National Institute on Aging (T32 AG007434). Investigator (PI: Richard Levine). Direct costs: \$603,380.
- 1996-2001** Developmental Language Disorder: Brain-Behavior Inquiry, National Institute of Deafness and Communication Disorders (DC01409). Investigator (PI: Elena Plante). Direct costs: \$416,912.
- 1998-1999** Event-Related Potentials: Semantics and Pragmatics, National Institute of Deafness and Communication Disorders (F32 DC00355). Postdoctoral sponsor (PI: Seana Coulson).
- 1996-1998** Source Memory and Human Prefrontal Cortex, National Institute of Deafness and Communication Disorders (RO3 EC03023). Consultant (PI: Diane Swick). Direct costs: \$49,960.
- 1994-1997** Cognitive neuroscience center grant from McDonnell Foundation and Pew Charitable Trust. Investigator (PIs: Lynn Nadel, Merrill Garrett, Bruce McNaughton). Direct costs: \$528,000.
- 1993-2000** Cognitive neuroscience center grant from Flinn Foundation. Investigator (PIs: Garrett & Nadel). Direct costs: \$500,000.
- 1993-1998** Graduate Research Traineeship Program, National Science Foundation. Faculty participant (PI: Garrett). Direct costs: \$537,500.