

## DAVID KEMMERER — CURRICULUM VITAE

### PERSONAL

Date of Birth: August 30, 1965

Current Work Address: Department of Speech, Language, and Hearing Sciences  
Lyles-Porter Hall  
Purdue University  
715 Clinic Drive  
West Lafayette, IN 47907-1353  
Email: kemmerer@purdue.edu

### EDUCATION

<u>Degree</u>	<u>Year</u>	<u>Institution</u>	<u>Area</u>	<u>Years Attended</u>
Ph.D.	1996	SUNY Buffalo	Linguistics	1993-1996
M.A.	1993	SUNY Buffalo	Linguistics	1990-1993
B.S.	1987	Illinois State University	Philosophy	1983-1987

### ACADEMIC APPOINTMENTS

2010-present	Professor, Speech, Language, and Hearing Sciences, Purdue University
2010-present	Professor, Psychological Sciences, Purdue University
2006 - 2010	Associate Professor, Speech, Language, and Hearing Sciences, Purdue University
2006 - 2010	Associate Professor, Psychological Sciences, Purdue University
2000 - 2006	Assistant Professor, Speech, Language, and Hearing Sciences, Purdue University
2000 - 2006	Assistant Professor, Psychological Sciences, Purdue University
2000 - 2014	Affiliate, Linguistics Program, Purdue University
2000 - present	Adjunct Professor, Behavioral Neurology and Cognitive Neuroscience, University of Iowa
1997 - 2000	Post-Doctoral Fellow, Behavioral Neurology and Cognitive Neuroscience, University of Iowa
1996 - 1997	Post-Doctoral Fellow, Linguistics, UCLA

### AREAS OF RESEARCH INTEREST

Specialization: Neural substrates of linguistic meaning and its interactions with perception and action.

Other interests: Linguistics; psycholinguistics; neurolinguistics; cognitive, social, and affective neuroscience; neural substrates of consciousness; hominin evolution; psychology of climate change

## PUBLICATIONS

### Google Scholar metrics (as of August 21, 2024)

	All	Since 2019
Citations	6259	2213
h-index	39	26
i10-index	57	45

### Journal Articles

Reilly, J., Shain, C., Borghesani, V., Kuhnke, P., Vigliocco, G., Peelle, J.E., Mahon, B., Buxbaum, L., Majid, A., Brysbaert, M., Borghi, A., De Deyne, S., Dove, G., Papeo, L., Pexman, P., Poeppel, D., Lupyan, G., Boggio, P., Hickock, G., Gwilliams, L., Fernandino, L., Mirman, D., Chrysikou, E.G., Sandberg, C., Crutch, S.J., Pyllkkänen, L., Yee, E., Jackson, R., & Rodd, J., Bedny, M., Connell, L., Kiefer, M., Kemmerer, D., Zubicaray, G., Jefferies, E., Lynott, D., Siew, C., Desai, R., Cantlon, J., McRae, K., Diaz, M., Bolognesi, M., Patterson, K., Fedorenko, E., Kiran, S., Montefinese, M., Vigliocco, G., Binder, J.R., Yap, M., Hartwigsen, G., Bi, Y., Hoffman, P., Garcea, F., & Vinson, D. (2024). What we mean when we say semantic: A consensus statement on the nomenclature of semantic memory. *Psychonomic Bulletin & Review*.

Kemmerer, D. (2024). Transmodal neural substrates of general semantic knowledge: From single words to sentences, stories, and the default mode network. *Brain & Language*, 252, 105412. **(Introduction to a special issue that I guest-edited.)**

Kemmerer, D. (2023). Grounded cognition entails linguistic relativity: A neglected implication of a major semantic theory. *Topics in Cognitive Science*, 15, 615-647. **(Target article for peer commentary.)**

Kemmerer, D. (2023). Grounded cognition entails linguistic relativity: Response to commentators. *Topics in Cognitive Science*, 15, 698-708.

Blasi, D.E., Henrich, J., Adamou, E., Kemmerer, D., & Majid, A. (2022). Over-reliance on English hinders cognitive science. *Trends in Cognitive Sciences*, 26, 1153-1170.

Kemmerer, D. (2022). Revisiting the relation between syntax, action, and left BA44. *Frontiers in Human Neuroscience*. **(Special issue on theories of embodiment and the role of the human Mirror Neuron System.)**

Kemmerer, D. (2021). What modulates the Mirror Neuron System during action observation? Multiple factors involving the action, the actor, the observer, the relationship between actor and observer, and the context. *Progress in Neurobiology*, 205, 102128.

Mahon, B.Z., & Kemmerer, D. (2020). Interactions between language, thought, and perception: Cognitive and neural perspectives. *Cognitive Neuropsychology*, 37, 235-240. **(Introduction to a special issue that we co-edited.)**

- Witt, J.K., Kemmerer, D., Linkenauger, S.A., & Culham, J. (2020). Reanalysis suggests evidence for motor simulation in naming tools is limited: A commentary on Witt, Kemmerer, Linkenauger, & Culham (2010). *Psychological Science*, *31*, 1036-1039.
- Kemmerer, D. (2019). Messages must be tuned to the target language: Some implications of crosslinguistic semantic diversity for neurolinguistic research on speech production. *Journal of Neurolinguistics*, *52*, 100861. **(Special issue on speech production and bilingualism in memory of Albert Costa.)**
- Kemmerer, D. (2019). From blueprints to brain maps: The status of the Lemma Model in cognitive neuroscience. *Language, Cognition, and Neuroscience*, *34*, 1085-1116. **(Special issue celebrating the 30th anniversary of Pim Levelt's 1989 book *Speaking*.)**
- Kemmerer, D. (2017). Categories of object concepts across languages and brains: The relevance of nominal classification systems to cognitive neuroscience. *Language, Cognition, and Neuroscience*, *32*, 401-424. **(Target article for peer commentary.)**
- Kemmerer, D. (2017). Some issues involving the relevance of nominal classification systems to cognitive neuroscience: Response to commentators. *Language, Cognition, and Neuroscience*, *32*, 447-456.
- Lacey, S., Stilla, R., Deshpande, G., Zhao, S., Stephens, C., McCormick, K., Kemmerer, D., & Sathian, K. (2017). Engagement of the left extrastriate body area during body-part metaphor comprehension. *Brain and Language*, *166*, 1-18.
- Kemmerer, D. (2016). Do language-specific word meanings shape sensory and motor brain systems? The relevance of semantic typology to cognitive neuroscience. *Linguistic Typology*, *20*, 623-634. **(Special issue on the relevance of linguistic typology to other disciplines.)**
- Spunt, R.P., Kemmerer, D., & Adolphs, R. (2016). The neural basis of conceptualizing the same action at different levels of abstraction. *Social, Cognitive, and Affective Neuroscience*, *11*, 1141-1151.
- Kemmerer, D. (2015). Are we ever aware of concepts? A critical question for the Global Neuronal Workspace, Integrated Information, and Attended Intermediate-Level Representation theories of consciousness. *Neuroscience of Consciousness*, *1*, 1-10.
- Kemmerer, D. (2015). Are the motor features of verb meanings represented in the precentral motor cortices? Yes, but within the context of a flexible, multilevel architecture for conceptual knowledge. *Psychonomic Bulletin and Review*, *22*, 1068-1075. **(Commissioned for, but accidentally published prior to, a special issue on concepts. See erratum, *PB&R*, *23*, 1143.)**
- Kemmerer, D. (2015). Does the motor system contribute to the perception and understanding of actions? Reflections on Gregory Hickok's *The myth of mirror neurons: The real neuroscience of communication and cognition*. *Language and Cognition*, *7*, 450-475.

- Kemmerer, D. (2015). Word order, action, and the brain: A reply to Arbib. *Language and Linguistics Compass*, 9, 150-156.
- Kemmerer, D. (2014). Word classes in the brain: Implications of linguistic typology for cognitive neuroscience. *Cortex*, 58, 27-51.
- Kemmerer, D. (2014). Body ownership and beyond: Some connections between cognitive neuroscience and linguistic typology. *Consciousness and Cognition*, 26, 189-196.
- Arbib, M., Bonaiuto, J., Bornkessel-Schlesewsky, I., Kemmerer, D., MacWhinney, B., Nielsen, F., & Oztop, E. (2014). Action and language mechanisms in the brain: Data, models, and neuroinformatics. *Neuroinformatics*, 12, 209-225.
- Kemmerer, D., Miller, L., MacPherson, M.K., Huber, J., & Tranel, D. (2013). An investigation of semantic similarity judgments about action and non-action verbs in Parkinson's disease: Implications for the Embodied Cognition Framework. *Frontiers in Human Neuroscience*, 7, Article 146.
- Kemmerer, D. (2013). Introduction to a special double issue devoted to Michael Arbib's *How the brain got language*. *Language and Cognition*, 5, 105-106. **(I edited this issue.)**
- Kemmerer, D., Rudrauf, D., Manzel, K., & Tranel, D. (2012). Behavioral patterns and lesion sites associated with impaired processing of lexical and conceptual knowledge of actions. *Cortex*, 48, 826-848. **(Special issue on language and the motor system.)**
- Kemmerer, D. (2012). The cross-linguistic prevalence of SOV and SVO word orders reflects the sequential and hierarchical representation of action in Broca's area. *Language and Linguistics Compass*, 6, 50-66.
- Kemmerer, D., & Eggleston, A. (2010). Nouns and verbs in the brain: Implications of linguistic typology for cognitive neuroscience. *Lingua*, 120, 2686-2690.
- Witt, J.K., Kemmerer, D., Linenauer, S.A., & Culham, J. (2010). A functional role for motor simulation in identifying tools. *Psychological Science*, 21, 1215-1219.
- Kemmerer, D., & Gonzalez Castillo, J. (2010). The Two-Level Theory of verb meaning: An approach to integrating the semantics of action with the mirror neuron system. *Brain and Language*, 112, 54-76. **(Special issue on mirror neurons and the neurobiology of language.)**
- Kemmerer, D., Tranel, D., & Zdzanyszyk, C. (2009). Knowledge of the semantic constraints on adjective order can be selectively impaired. *Journal of Neurolinguistics*, 22, 91-108.
- Kemmerer, D., Gonzalez Castillo, J., Talavage, T., Patterson, S., & Wiley, C. (2008). Neuroanatomical distribution of five semantic components of verbs: Evidence from fMRI. *Brain and Language*, 107, 16-43.

- Kemmerer, D., & Tranel, D. (2008). Searching for the elusive neural substrates of body part terms: A neuropsychological study. *Cognitive Neuropsychology*, *25*, 601-625. **(Special issue on lexical processing.)**
- Tranel, D., Manzel, K., Asp, E., & Kemmerer, D. (2008). Naming static and dynamic actions: Neuropsychological evidence. *Journal of Physiology, Paris*, *102*, 80-94. **(Special issue on links and interactions between language and motor systems in the brain.)**
- Kemmerer, D. (2008). A critique of Mark D. Allen's "The preservation of verb subcategory knowledge in a spoken language comprehension deficit." *Brain and Language*, *106*, 72-78.
- Kemmerer, D., Chandrasekaran, B., & Tranel, D. (2007). A case of impaired verbalization but preserved gesticulation of motion events. *Cognitive Neuropsychology*, *24*, 70-114.
- Kemmerer, D., Weber-Fox, C., Price, K., Zdanczyk, C., & Way, H. (2007). *Big brown dog or brown big dog?* An electrophysiological study of semantic constraints on prenominal adjective order. *Brain and Language*, *100*, 238-256. **(See also the accompanying commentary by H. Kolk & D. Chwilla entitled "Late positivities in unusual situations.")**
- Kemmerer, D. (2006). The semantics of space: Integrating linguistic typology and cognitive neuroscience. *Neuropsychologia*, *44*, 1607-1621. **(Special issue on the representation of categorical and coordinate spatial relations in the brain.)**
- Kemmerer, D. (2005). The spatial and temporal meanings of English prepositions can be independently impaired. *Neuropsychologia*, *43*, 797-806.
- Kemmerer, D., Tranel, D., & Manzel, K. (2005). An exaggerated effect for proper nouns in a case of superior written over spoken word production. *Cognitive Neuropsychology*, *22*, 3-27.
- Tranel, D., & Kemmerer, D. (2004). Neural correlates of locative prepositions. *Cognitive Neuropsychology*, *21*, 719-49.
- Kemmerer, D., & Tranel, D. (2003). A double dissociation between the meanings of action verbs and locative prepositions. *NeuroCase*, *9*, 421-435.
- Kemmerer, D. (2003). Why can you hit someone on the arm but not break someone on the arm? A neuropsychological investigation of the English body-part possessor ascension construction. *Journal of Neurolinguistics*, *16*, 13-36.
- Tranel, D., Kemmerer, D., Adolphs, R., Damasio, H., & Damasio, A. (2003). Neural correlates of conceptual knowledge for actions. *Cognitive Neuropsychology*, *20*, 409-432. **(Special issue on the organization of conceptual knowledge in the brain.)**
- Kemmerer, D., & Wright, S.K. (2002). Selective impairment of knowledge underlying un-prefixation: Further evidence for the autonomy of grammatical semantics. *Journal of*

*Neurolinguistics*, 15, 403-432. (Special issue on the organization of grammatical categories in the brain.)

Kemmerer, D., Tranel, D., & Barrash, J. (2001). Patterns of dissociation in the processing of verb meanings in brain-damaged subjects. *Language and Cognitive Processes*, 16, 1-34.

Kemmerer, D., Tranel, D., & Barrash, J. (2001). Addendum to "Patterns of dissociation in the processing of verb meanings in brain-damaged subjects." *Language and Cognitive Processes*, 16, 461-463.

Kemmerer, D. & Tranel, D. (2000). Verb retrieval in brain-damaged subjects: 1. Analysis of stimulus, lexical, and conceptual factors. *Brain and Language*, 73, 347-92.

Kemmerer, D. & Tranel, D. (2000). Verb retrieval in brain-damaged subjects: 2. Analysis of errors. *Brain and Language*, 73, 393-420.

Kemmerer, D. & Tranel, D. (2000). A double dissociation between linguistic and perceptual representations of spatial relationships. *Cognitive Neuropsychology*, 17, 393-414.

Kemmerer, D. (2000). Grammatically relevant and grammatically irrelevant features of verb meaning can be independently impaired. *Aphasiology*, 14, 997-1020.

Kemmerer, D. (2000). Selective impairment of knowledge underlying prenominal adjective order: Evidence for the autonomy of grammatical semantics. *Journal of Neurolinguistics*, 13, 57-82.

Kemmerer, D. (1999). Impaired comprehension of English raising-to-subject constructions in Parkinson's disease. *Brain and Language*, 66, 311-328.

Kemmerer, D. (1999). "Near" and "far" in language and perception. *Cognition*, 73, 35-63.

Kemmerer, D. (1998). Is syntax based on spatial image schemas in the inferior parietal cortex? Evidence against Deane's Parietal Hypothesis. *Cognitive Linguistics*, 8, 180-188.

Jaeger, J., Lockwood, A., Van Valin, R., Kemmerer, D., Murphy, B., & Wack, D. (1998). Sex differences in brain regions activated by grammatical and reading tasks. *NeuroReport*, 9, 2803-2807.

Jaeger, J., Lockwood, A., Kemmerer, D., Van Valin, R., Murphy, B., & Khalak, H. (1996). A positron emission tomographic study of regular and irregular verb morphology in English. *Language*, 72, 451-497.

Vitevich, M., Luce, P., Charles-Luce, J., & Kemmerer, D. (1996). Phonotactics and syllable stress: Implications for the processing of spoken nonsense words. *Language and Speech*, 40, 47-62.

### **Journal Commentaries**

- Kemmerer, D. (2023). Ownership language informs ownership psychology. (Commentary on P. Boyer, "Ownership psychology as a cognitive adaptation: A minimalist model.") *Behavioral and Brain Sciences*, *46*, E340.
- Kemmerer, D. (2011). Do body-part concepts depend on the EBA/FBA? (Commentary on P. Downing & M. Peelen, "The role of occipitotemporal body-selective regions in person perception.") *Cognitive Neuroscience*, *2*, 204-205.
- Kemmerer, D., & Gupta, R. (2006). Six feet over: Out-of-body experiences and their relevance to the folk psychology of souls. (Commentary on J. Bering, "The folk psychology of souls.") *Behavioral and Brain Sciences*, *29*, 478-479.
- Kemmerer, D. (2005). Against innate grammatical categories. (Supplemental commentary on M. Arbib, "From monkey-like action recognition to human language: An evolutionary framework for neurolinguistics.") *Behavioral and Brain Sciences*.  
<http://www.bbsonline.org/Preprints/Arbib-05012002/Supplemental>
- Kemmerer, D. (2003). Neuropsychological evidence for the distinction between grammatically relevant and irrelevant components of meaning. (Commentary on R. Jackendoff, "Précis of *Foundations of language*.") *Behavioral and Brain Sciences*, *26*, 684-5.
- Kemmerer, D. (1998). Auxiliary selection in Italian: A comment on Miozzo and Caramazza's "On knowing the auxiliary of a verb that cannot be named: Evidence for the independence of grammatical and phonological aspects of lexical knowledge." *Journal of Cognitive Neuroscience*, *10*, 421-423.
- Kemmerer, D. (1996). Innateness, autonomy, universality, and the neurobiology of regular and irregular inflectional morphology. (Commentary on Ralph-Axel Müller, "Innateness, autonomy, universality? Neurobiological approaches to language.") *Behavioral and Brain Sciences*, *19*, 639-41.
- Kemmerer, D. (1996). What about the increasing adaptive value of manipulative language use? (Commentary on R.I.M. Dunbar, "Coevolution of neocortical size, group size and language in humans.") *Behavioral and Brain Sciences*, *19*, 546-548.

### **Book Chapters**

- Kemmerer, D. (forthcoming). Neurolinguistics of lexical meaning. In D. Geeraerts (Ed.), *Cambridge handbook of lexical semantics*. New York: Cambridge University Press.
- Kemmerer, D. (2024). Fundamentals of language structure and use. In J. Grafman (Ed.), *Encyclopedia of the human brain* (pp. XXX-XXX). 2<sup>nd</sup> edition. New York: Elsevier.
- Kemmerer, D. (2023). Semantic memory. In G.J. Boyle (Ed.), *The SAGE handbook of cognitive and systems neuroscience* (pp. 61-74). SAGE Publications.

- Kemmerer, D. (2023). Word classes in neurolinguistics. In E. van Lier (Ed.), *The Oxford handbook of word classes* (pp. 910-929). New York: Oxford University Press.
- Kemmerer, D. (2019). Grammatical categories. In G. de Zubicaray, & N. Schiller (Eds.), *The Oxford handbook of neurolinguistics* (pp. 769-795.) New York: Oxford University Press.
- Kemmerer, D. (2015). Neurolinguistics: Mind, brain, and language. In K. Allan (Ed.), *Routledge handbook of linguistics* (pp. 296-310). New York: Routledge. **(As of August 3, 2023, this chapter has garnered 32,463 reads from ResearchGate.)**
- Kemmerer, D. (2015). Visual and motor features of action verbs: A cognitive neuroscience perspective. In R.G. de Almeida & C. Manouilidou (Eds.), *Cognitive science perspectives on verb representation and processing* (pp. 189-212). New York: Springer.
- Kemmerer, D. (2010). A neuroscientific perspective on the linguistic encoding of categorical spatial relations. In V. Evans & P. Chilton (Eds.), *Language, cognition, and space: The state of the art and new directions* (pp. 139-168). London, UK: Equinox.
- Kemmerer, D. (2010). The neurobiology of lexical processing. In P.C. Hogan (Ed.), *The Cambridge encyclopedia of the language sciences* (pp. 439-442). Cambridge, UK: Cambridge University Press.
- Kemmerer, D. (2010). How words capture visual experience: The perspective from cognitive neuroscience. In B. Malt & P. Wolff (Eds.), *Words and the mind: How words capture human experience* (pp. 289-329). Oxford, UK: Oxford University Press.
- Kemmerer, D. (2006). Action verbs, argument structure constructions, and the mirror neuron system. In M. Arbib (Ed.), *Action to language via the mirror neuron system* (pp. 347-373). Cambridge, UK: Cambridge University Press.
- Kemmerer, D. (1999). A cognitive neuroscience analysis of the meanings of basic color terms. In M. Hiraga, C. Sinha, & S. Wilcox (Eds.), *Cultural, psychological, and typological issues in cognitive linguistics* (pp. 249-266). Amsterdam: Benjamins.

### **Books**

- Kemmerer, D. (in prep). *The neuroscience of word meaning*. New York: Cambridge University Press.
- Kemmerer, D. (2023). *Cognitive neuroscience of language: An introduction*. 2<sup>nd</sup> edition. New York: Routledge.
- Kemmerer, D. (2019). *Concepts in the brain: The view from cross-linguistic diversity*. New York: Oxford University Press.
- Kemmerer, D. (2015). *Cognitive neuroscience of language: An introduction*. New York: Routledge.



Gazzaniga, M., Altman, J., Corballis, P., Disbrow, E., Hutsler, J., & Kemmerer, D. (Eds.) (1998). *Brain and mind: Evolutionary perspectives*. Human Frontiers Science Program.

### **Conference Proceedings**

Kemmerer, D., & Tranel, D. (2007). Evidence that the meanings of English locative prepositions are processed in left inferior prefrontal and parietal cortices. *Proceedings of the 39th Annual Meeting of the Chicago Linguistic Society* (pp. 76-98).

Kemmerer, D. (1992). A critical evaluation of Grodzinsky, Pierce, and Marakovitz's neuropsychological argument for a transformational analysis of verbal passive. In M. Bernstein (Ed.), *Proceedings of the 1992 Eastern States Conference on Linguistics*. Ithaca: DMLL Publications.

### **Book Reviews**

Kemmerer, D. (2009). Review of G. Rizzolatti & C. Sinigaglia's *Mirrors in the brain: How our minds share actions and emotions*. *Language and Cognition, 1*, 279-284

Kemmerer, D. (1995). Review of Steven Pinker's *The language instinct: How the mind creates language*. *Minds and Machines, 5*, 411-17.

Kemmerer, D. (1995). Review of Stephen Kosslyn and Olivier Koenig's *Wet mind: The new cognitive neuroscience*. *Minds and Machines, 5*, 283-288.

### **Social Media**

Kemmerer, D. (2024). Larry Barsalou — Still grounded after all these years. Introductory post for a Digital Event that I organized in honor of Larry Barsalou and that was sponsored by the Psychonomic Society: <https://featuredcontent.psychonomic.org/digital-events/>

## **PRESENTATIONS**

### **Invited Lectures**

Kemmerer, D. (2024). Neural substrates of semantic memory: Some current themes.  
- Midwest Memory Mahem, West Lafayette, Indiana.

Kemmerer, D. (2019). Action verbs across languages and brains: Some implications of semantic typology for cognitive neuroscience.  
- Crosslinguistic perspectives on processing and learning (X-PPL), Zurich, Switzerland.

Kemmerer, D. (2018). From blueprints to brain maps: The status of the Lemma Model in cognitive neuroscience.  
- International Workshop on Language Production, Nijmegen, The Netherlands.

- Kemmerer, D. (2015). On the need to distinguish between word meanings and nonlinguistic concepts in cognitive neuroscience.
- Brain and the Lexicon Conference, Turin, Italy.
  - Cognitive Science Program, University at Buffalo.
- Kemmerer, D. (2015). A closer look at constructions.
- Workshop on Vision and Language in the Context of Brain, Evolution, and Computation, Chicago, IL.
- Kemmerer, D. (2014). Are the motor features of verb meanings represented in the precentral motor cortices? Yes, but within the context of a flexible, multilevel architecture for conceptual knowledge.
- Philadelphia Semantics Network.
- Kemmerer, D. (2013). Word classes in the brain: Implications of linguistic typology for cognitive neuroscience.
- Workshop on Universals in the Semantic Representation of Nouns and Verbs, Leiden University, The Netherlands.
- Kemmerer, D. (2011, 2012, 2013). The crosslinguistic prevalence of SOV and SVO word orders reflects the sequential and hierarchical representation of action in Broca's area.
- Workshop on Language, Action, and Neuroinformatics, University of Southern California.
  - Department of Psychology, Princeton University.
  - Department of Communications Sciences and Disorders, Northwestern University.
  - KNAW Conference on Diversity and Universals in Language, Culture, and Cognition, Leiden University, The Netherlands.
  - Computation and Neural Systems Program, California Institute of Technology.
- Kemmerer, D. (2012). Neuroanatomical distribution of five semantic components of verbs: Evidence from fMRI.
- Department of Psychology, Emory University.
- Kemmerer, D. (2012). TIME IS SPACE: The neuropsychology of an everyday metaphor.
- Workshop on Metaphors and the Mind, Emory University.
- Kemmerer, D. (2010). Behavioral patterns and lesion sites associated with impaired processing of lexical and conceptual knowledge of actions.
- Institute for Research in Cognitive Science, University of Pennsylvania.
  - Department of Speech and Hearing Sciences, Indiana University.
- Kemmerer, D. (2009). The semantics of space: From linguistic typology to cognitive neuroscience.
- Midwest Psychological Association, Chicago.
- Kemmerer, D. (2008). Manner of motion verbs: From linguistic typology to cognitive neuroscience.
- Workshop on Verb Concepts: Cognitive Science Perspectives on Verb Representation and Processing, Concordia University, Montreal.

- Kemmerer, D. (2008). Comparing two perspectives on spatial perspective-taking: Linguistic typology and cognitive neuroscience.  
 - Workshop on Spatial and Social Perspective-Taking, Aarhus University, Denmark.
- Kemmerer, D. (2007). Two levels of verb meaning: Evidence from functional neuroimaging and cognitive neuropsychology.  
 - Workshop on Building Meaning from Language, Tufts University.
- Kemmerer, D. (2005). A case of impaired verbalization but preserved gesticulation of motion events: Investigating the language-specific representation of space from a neuropsychological perspective.  
 - Department of Psychology, Emory University.  
 - Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands.
- Kemmerer, D. (2004, 2005). The linguistic representation of space: New findings from cognitive neuroscience.  
 - Department of Psychology, University of Ljubljana, Slovenia.  
 - Department of Psychology, University of Notre Dame.
- Kemmerer, D. (2004). The neuroanatomical correlates of action concepts.  
 - Slovenian Neuroscience Association, University of Ljubljana, Slovenia.
- Kemmerer, D. (1999, 2000, 2004). Selective impairment of knowledge underlying prenominal adjective order: Evidence for the autonomy of grammatical semantics.  
 - Department of Psychology, University of Iowa.  
 - Department of Psychology, Stanford University.  
 - Linguistic Circle, University of Ljubljana, Slovenia.
- Kemmerer, D. (2003). The linguistic construal of space: Integrating data from developmental psycholinguistics and cognitive neuroscience.  
 - Department of Otolaryngology, Indiana University School of Medicine.
- Kemmerer, D. (2003). Neural correlates of locative prepositions.  
 - European Society for Cognitive Psychology, Granada, Spain.
- Kemmerer, D. (2002). Selective impairment of knowledge underlying *un-* prefixation: Further evidence for the autonomy of grammatical semantics.  
 - Cognition and Brain Sciences Unit, Medical Research Council, Cambridge, United Kingdom.  
 - Cognitive Neuroscience Sector, International School for Advanced Studies, Trieste, Italy.
- Weber-Fox, C., & Kemmerer, D. (2001). Neuroimaging and speech-language pathology.  
 - Crossroads Conference on Communicative Disorders, Purdue University.
- Kemmerer, D. (1999, 2000). A double dissociation between linguistic and perceptual representations of spatial relationships.

- Department of Psychology, University of Kentucky at Lexington.
- Department of Psychology, Purdue University.
- Department of Psychology, University of Pennsylvania.
- Department of Linguistics, SUNY Buffalo.
- Department of Linguistics, University of Iowa.
- Max Planck Institute for Cognitive Neuroscience, Leipzig, Germany.
- Department of Psychology, Universidad Nacional Autónoma de Mexico, Mexico City, Mexico.

Kemmerer, D. (1999). Grammatically relevant and grammatically irrelevant features of verb meaning: A neuropsychological perspective.

- Department of Linguistics, University of Iowa.
- Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Kemmerer, D. (1999). Neurolinguistics from the perspective of Role and Reference Grammar.

- Workshop on Role and Reference Grammar, Linguistic Society of America Summer Institute, University of Illinois.

Kemmerer, D. (1998). Evolutionary presuppositions of Principles and Parameters Theory.

- Department of Applied Linguistics, University of California, Los Angeles.

### **International Conference Presentations**

Kemmerer, D., & Tranel, D. (2007). Searching for the elusive neural substrates of body part terms: A neuropsychological study. 1<sup>st</sup> Annual Conference on Concepts, Actions, and Objects—Functional and Neural Perspectives. Rovereto, Italy.

Tranel, D., Manzel, K., Asp, E., & Kemmerer, D. (2007). Naming static and dynamic actions: Neuropsychological evidence. 1<sup>st</sup> Annual Conference on Concepts, Actions, and Objects—Functional and Neural Perspectives. Rovereto, Italy.

Tranel, D., & Kemmerer, D. (2005). Neuroanatomical correlates of body-part knowledge: A lesion study. TENNET (Theoretical and Experimental Neuropsychology). Montreal, Quebec.

Kemmerer, D. (2003). The spatial and temporal meanings of English prepositions can be independently impaired. 30th Annual Meeting of the Linguistic Association of Canada and the United States. Victoria, British Columbia.

Tranel, D., & Kemmerer, D. (2000). Neural correlates of retrieval of lexical and conceptual knowledge for concrete entities, actions, and spatial relationships. TENNET (Theoretical and Experimental Neuropsychology). Montreal, Quebec.

Kemmerer, D., & Tranel, D. (1999). Neuropsychological evidence for the distinction between linguistic and nonlinguistic representations of spatial relationships. Annual Meeting of the International Cognitive Linguistics Association. Stockholm, Sweden.

Kemmerer, D. (1999). Different representations of near and far space in language and perception. Annual Meeting of the International Cognitive Linguistics Association. Stockholm, Sweden.

Lockwood, A., Jaeger, J., Murphy, B., Kemmerer, D., Van Valin, R., & Khalak, H. (1995). Attentional systems modulating a verb morphology task. Annual Meeting on the Functional Mapping of the Human Brain. Paris, France.

### **National Conference Presentations**

Kemmerer, D., Spunt, R.P., & Adolphs, R. (2015). The neural basis of conceptualizing the same action at different levels of abstraction. Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL.

Sathian, K., Lacey, S., Stilla, R., McCormick, K., Bhushan, M., Kemmerer, D. (2014). Processing body-part metaphors recruits the left extrastriate body area (EBA). Annual Meeting of the Society for Neuroscience, Washington, DC.

Witt, J.K., Kemmerer, D., & Culham, J. (2009). A functional role for motor simulation in identifying tools. Annual Meeting of the Psychonomic Society, Boston.

Kemmerer, D., Miller, L., MacPherson, M.K., & Huber, J. (2009). An investigation of semantic similarity judgments for action and non-action verbs in Parkinson's disease: Implications for the Embodied Cognition Hypothesis. Cognitive Neuroscience Society, San Francisco.

Miller, L., Kemmerer, D., MacPherson, M.K., & Huber, J. (2009). An investigation of semantic similarity judgments for action and non-action verbs in Parkinson's disease: Implications for the Embodied Cognition Hypothesis. Midwest Psychological Association, Chicago.

Asp, E., Manzel, K., Kemmerer, D., & Tranel, D. (2007). Naming dynamic and static actions: Neuropsychological evidence. Annual Meeting of the Society of Neuroscience. San Diego.

Kemmerer, D., Gonzalez Castillo, J., Talavage, T., Patterson, S., & Wiley, C. (2007). Neuroanatomical distribution of five semantic components of verbs: Evidence from fMRI. Indiana Neuroimaging Symposium. Bloomington.

Kemmerer, D., Weber-Fox, C., Price, K., Way, H., & Zdansczyk, C. (2005). *Big brown dog or brown big dog?* An electrophysiological study of adjective order. Cognitive Neuroscience Society, New York.

Kemmerer, D. (2004). Neuroanatomical correlates of action concepts. Psychonomic Society. Minneapolis.

Chandrasekaran, B., Kemmerer, D., & Tranel, D. (2004). A case of impaired verbalization but preserved gesticulation of motion events: Neuropsychological evidence for the Interface Hypothesis. Annual Meeting of the Cognitive Neuroscience Society, San Francisco.

- Kemmerer, D., & Tranel, D. (2003). Neuroanatomical correlates of the meanings of English locative prepositions. Chicago Linguistic Society.
- Kemmerer, D. (2000). Selective impairment of knowledge underlying prenominal adjective order in English. Annual Meeting of the Linguistic Society of America. Chicago.
- Kemmerer, D., & Tranel, D. (1999). Manipulating action verbs and concepts: Patterns of dissociation in brain-damaged subjects. Annual Meeting of the Society for Neuroscience. Miami Beach.
- Kemmerer, D., Dapretto, M., & Bookheimer, S. (1998). Individual differences in the processing of regular and irregular inflectional morphology as revealed by fMRI. Annual Meeting of the Linguistic Society of America. New York.
- Kemmerer, D., & Tranel, D. (1998). Factors contributing to action naming in brain-damaged subjects. Annual Meeting of the Society for Neuroscience. Los Angeles.
- Heberlein, A., Adolphs, R., Tranel, D., Kemmerer, D., & Damasio, A. (1998). Impaired attribution of social meanings to abstract dynamic geometric patterns following damage to the amygdala. Annual Meeting of the Society for Neuroscience. Los Angeles.
- Jaeger, J., Kemmerer, D., Van Valin, R., Lockwood, A., Murphy, B., & Wack, D. (1997). Brain regions activated by grammatical tasks in men vs. women. Annual Meeting of the Linguistic Society of America. Chicago.
- Kemmerer, D. (1997). Attentional factors in syntactic comprehension: Evidence from Parkinson's disease. Annual CUNY Conference on Human Sentence Processing. Santa Monica.
- Jaeger, J., Wack, D., Van Valin, R., Kemmerer, D., Murphy, B., & Lockwood, A. (1997). Grammatical and reading tasks activate different brain regions in men and women. Annual Meeting of the International Society for Cerebral Blood Flow and Metabolism. Baltimore.
- Kemmerer, D. (1997). Is syntax an exaptation of spatial representations in the inferior parietal cortex? Evidence against Deane's Parietal Hypothesis. Annual Meeting of the Human Behavior and Evolution Society. Tucson.
- Lockwood, A., Jaeger, J., Kemmerer, D., Van Valin, R., Murphy, B., & Khalak, H. (1996). Gender-related differences in cerebral activation associated with verb tense processing. American Association of Neuroscience. San Diego.
- Kemmerer, D., & Hershey, L. (1996). Sentence comprehension deficits in progressive supranuclear palsy. Annual Meeting of the International Neuropsychological Society. Chicago.
- Kemmerer, D., & Hershey, L. (1996). Impaired comprehension of raising-to-subject sentences in Parkinson's disease. Annual Meeting of the International Neuropsychological Society. Chicago.

Vitevich, M., Luce, P., Charles-Luce, J., & Kemmerer, D. (1995). Phonotactic and metrical influences on subjective ratings of spoken nonsense words. Annual meeting of the Acoustical Society of America. Washington, D.C.

Kemmerer, D. (1995). Neuropsychological evidence against Wierzbicka's theory of the meanings of basic color terms. Annual Meeting of the International Cognitive Linguistics Association. Albuquerque.

Kemmerer, D., & McNamara, P. (1995). Parent-offspring conflict as a selection pressure for the evolution of early language acquisition. Annual Meeting of the Human Behavior and Evolution Society. Santa Barbara.

Jaeger, J., Kemmerer, D., Van Valin, R., Lockwood, A., Murphy, B., & Khalak, H. (1995). A positron emission tomographic study of regular and irregular verb morphology in English. Annual Meeting of the Linguistic Society of America. New Orleans.

Kemmerer, D. (1992). A critical evaluation of Grodzinsky, Pierce, and Marakovitz's neuropsychological argument for a transformational analysis of verbal passive. Eastern States Conference on Linguistics. Buffalo.

## **GRANTS**

### **Extramural**

Title: Anatomical basis of memory and language

Role: Co-Investigator

Agency: NIH-NINDS

Type: P01 NS 19632 (Anatomical substrates of complex behavior, A.R. Damasio, MD, PhD, Program Director)

Duration: 2007-2012

Title: Neural basis of semantic constraints on adjective order

Role: Principal Investigator

Agency: NIH-NIDCD

Type: R03 DC 006137-01

Duration: 3 years (2004-2007)

### **Intramural**

Title: A neuropsychological investigation of the spatial and temporal meanings of prepositions

Role: Principal Investigator

Agency: Purdue University

Type: Purdue Research Foundation Summer Faculty Grant

Duration: Summer 2001

## **COURSES TAUGHT**

## **Undergraduate**

Language and the Brain  
Introduction to Cognitive Neuroscience  
Psychology of Climate Change

## **Graduate**

Neural Bases of Speech and Language  
Introduction to Cognitive Neuroscience  
Organization of Conceptual Knowledge in the Brain  
Topics in Social Neuroscience  
Neural Correlates of Consciousness  
Linguistic Typology and Language Universals  
Approaches to the Evolution of Language  
Grammars of Space

## **EDITORIAL ACTIVITIES**

### **General Editor**

*Language and Cognition* (2009-2016)

### **Associate Editor**

*Cognitive Neuropsychology* (2007-2009)

### **Guest Editor**

Special issue of *Brain and Language* with the theme “Transmodal neural substrates of general semantic knowledge: From single words to sentences, stories, and the default mode network” (2023-4)

Special double issue of *Cognitive Neuropsychology* on the language-thought interface (2019)

### **Reviewer**

#### **Journals**

*Acta Psychologica*  
*Applied Linguistics*  
*Behavioral and Brain Sciences*  
*Brain*  
*Brain and Language*  
*Brain Research*  
*Cerebral Cortex*  
*Cognition*



*Cognitive, Affective, and Behavioral Neuroscience*  
*Cognitive Neuropsychology*  
*Cognitive Neuroscience*  
*Cognitive Science*  
*Cortex*  
*Current Anthropology*  
*Current Directions in Psychological Science*  
*Experimental Brain Research*  
*Frontiers in Cognition*  
*Frontiers in Cognitive Science*  
*Frontiers in Human Neuroscience*  
*Frontiers in Language Sciences*  
*Frontiers in Psychology*  
*Human Brain Mapping*  
*Journal of Clinical and Experimental Neuropsychology*  
*Journal of Cognitive Neuroscience*  
*Journal of Experimental Psychology: Human Perception and Performance*  
*Journal of Experimental Psychology: Learning, Memory, and Cognition*  
*Journal of the International Neuropsychological Society*  
*Journal of Memory and Language*  
*Journal of Neurolinguistics*  
*Journal of Neuropsychology*  
*Journal of Neuroscience*  
*Language and Cognition*  
*Language, Cognition, and Neuroscience*  
*Language and Cognitive Processes*  
*Language and Linguistics Compass*  
*Language Learning*  
*Language Sciences*  
*Memory and Cognition*  
*Nature Human Behaviour*  
*Neurocase*  
*Neuroimage*  
*Neuroinformatics*  
*Neuropsychologia*  
*Neuropsychology*  
*Neuropsychology Review*  
*Neuroscience and Biobehavioral Reviews*  
*Philosophical Transactions of the Royal Society, B. Biological Sciences*  
*PLoS ONE*  
*Progress in Brain Research*  
*Psychological Science*  
*Psychonomic Bulletin & Review*  
*Quarterly Journal of Experimental Psychology*  
*Topics in Cognitive Science*  
*Trends in Cognitive Sciences*

### Book manuscripts

- Dove, G. (2022). *Abstract concepts and the embodied mind: Rethinking grounded cognition*. New York: Oxford University Press.
- Willems, R. (Ed.) (2015). *Cognitive neuroscience of natural language use*. Cambridge University Press.
- Coello, Y., & Bartolo, A. (Eds.) (2012). *Language and action in cognitive neuroscience*. Psychology Press.
- Pinker, S. (2007). *The stuff of thought: Language as a window onto human nature*. Viking Press.
- Pinker, S. (2002). *The blank slate: The modern denial of human nature*. Viking Press.
- Pinker, S. (1999). *Words and rules: The ingredients of language*. Basic Books.

### Book proposals

- Lawrence Erlbaum Press
- Oxford University Press
- Sage Press
- Blackwell Publishers
- Springer Press

### Grant applications/nominations

- National Science Foundation
- Wellcome Trust
- The John D. and Catherine T. MacArthur Foundation
- Vienna Science and Technology Fund
- The British Academy
- Freiburg Institute for Advanced Studies