

H. Wind Cowles

Department of Linguistics, University of Florida
Turlington Hall 4131, PO Box 115454, Gainesville, FL 32611
(352) 294-7451, cowles@ufl.edu

Present Appointment

Associate Professor in Linguistics at the University of Florida

Education

Ph.D. in Linguistics and Cognitive Science, University of California, San Diego, 2003

Dissertation: Processing Information Structure: Evidence from Comprehension and Production (Advisor: Dr. Robert Kluender)

M.A. in Linguistics, University of California, San Diego, 2000

B.A. in Linguistics, Magna Cum Laude, University of Southern California, 1996

Previous Appointments and Projects

8/2005 – 7/2012: Assistant Professor, Linguistics, University of Florida

1/2012 – 5/2012: Visiting Professor, Linguistics (UiL-OTS), Utrecht University, Netherlands

8/2004 – 6/2005: Visiting Faculty, Linguistics, UC San Diego

4/2002 – 8/2004: Post-doctoral Research Fellow, Experimental Psychology (PI: Alan Garnham), University of Sussex, England

7/1996 – 3/2002: Graduate researcher, Language and Brain Lab (PI: Robert Kluender), UC San Diego

1/2002 – 3/2002: Graduate researcher, KutasLab (PI: Marta Kutas), UC San Diego

1/2000 – 3/2002: Graduate researcher, Language Production Lab (PI: Victor Ferreira), UC San Diego

5/1998 – 12/1999: Graduate researcher, Language and Cognition Lab (PI: David Swinney), UC San Diego

8/1995 – 5/1996: Undergraduate researcher, Language and Cognitive Neuroscience Lab (PI: Maryellen MacDonald), University of Southern California

Awards

January 2012: International Collaborator on an Economic and Social Research Council (ESRC)-funded research project with Dr. Alan Garnham (University of Sussex) (1 year)

April 2009: College of Liberal Arts and Sciences Teacher of the Year Award, University of Florida

June 2005: International Collaborator on an Economic and Social Research Council (ESRC)-funded research project with Dr. Alan Garnham (University of Sussex) (1 year)

September 2001: NIH-funded Pre-doctoral Fellowship, UCSD Institute for Neural Computation (1 year)

September 1998: NIH-funded Pre-doctoral Fellowship, UCSD Center for Research in Language (2 years)

September 1996: UCSD Humanities Research Assistantship (9 months)

May 1996: Membership in Phi Beta Kappa honor society

Primary Research Interests

Influence of information structure on sentence processing and production in native and second language speakers

Interaction of individual differences in working memory and executive function in language processing

Reference, co-reference and the processing of anaphora, particularly fuller forms of reference and the interaction of reference form and discourse status

Integration of empirical results from multiple methodologies (including eye-tracking, ERPs, and behavioral measures) and theoretical approaches

Papers Published, In Press, or Under Review/Revision

Books

Cowles, H.W. (2010) *Psycholinguistics 101*. New York: Springer Publishing.

Journal Articles

Feizmohammadpour, A. & H.W. **Cowles** (under review) Object Attraction Effects during Subject-Verb Agreement in Persian.

Park, H., L. Edmonds & H.W. **Cowles** (under revision) Comparing Semantic and Syntactic Expectation between Verbs and Thematic Roles: Evidence from Eyetracking.

Hald, L., H.W. **Cowles** & A. Garnham (under revision) An ERP study of anaphor resolution with focused and non-focused antecedents.

Cowles, H.W. & S. Kim (under revision) When more time and context don't help: An eye-tracking study of comprehension accuracy for sentences with non-canonical role orders.

Cowles, H.W. (under revision) The good, the anomalous and the unexpected: Focus and depth of processing during reading.

Kim, S., L. Lombardino, H.W. **Cowles**, & L. Altmann (2014) Investigating graph comprehension in students with dyslexia: An eye tracking study. *Research in Developmental Disabilities*.

Cartei, V., H.W. **Cowles**, R. Banerjee & D. Reby (2014) Control of voice gender in pre-pubertal children. *British Journal of Developmental Psychology*, 32(1), 100-106.

Cowles, H.W. & V. Ferreira (2012) The Influence of Topic Status on Written and Spoken Sentence Production. *Discourse Processes*, 49(1), 1-28.

Cartei, V., H.W. **Cowles**, & D. Reby (2012) Spontaneous voice gender imitation abilities: a window into adult speakers' knowledge of vocal gender. *PLoS One*, 7(2).

Fossard, M., A. Garnham, & H.W. **Cowles** (2011) Between Anaphora and Deixis: The Resolution of the Demonstrative Noun Phrases. *Language and Cognitive Processes*. DOI:10.1080/01690965.2011.606668.

Cowles, H.W., A. Garnham, & J. Simner (2010) Conceptual similarity effects on working memory in sentence contexts: Testing a theory of anaphora. *Quarterly Journal of Experimental Psychology*, 63(6), 1218-1232.

Cowles, H.W., R. Kluender, M. Kutas, & M. Polinsky (2007) Violations of information structure: An electrophysiological study of answers to wh-questions. *Brain and Language*, 102, 228-242.

Cowles, H.W., M. Walenski, & R. Kluender (2007) Linguistic and cognitive prominence in anaphor resolution: Topic, contrastive focus and pronouns. *Topoi*. 26, 3-18.

Cowles, H.W. & A. Garnham (2005) Antecedent Focus and Conceptual Distance Effects in Category Noun-Phrase Anaphora. *Language and Cognitive Processes*, 6, 725-750

Cornish, F., A. Garnham, H.W. **Cowles**, M. Fossard, & V. Andre (2005) Indirect Anaphora in English and French: A Cross-Linguistic Study of Pronoun Resolution. *Journal of Memory and Language*, **52**, 371-384.

Book chapters

Cowles, H.W. & L. Dawidzuik (2013) Ambiguity avoidance in noun-phrase anaphora: the repeated name advantage" In M. Fossard & M-J. Béguelin (Eds.) *New Perspectives on anaphora: linguistics, psycholinguistics and interactional issues*. Bern: Peter Lang.

Cowles, H.W. (2012) The Psychology of Information Structure In M. Krifka & R. Musan (Eds.) *The Expression of Information Structure*. Berlin: Mouton de Gruyter

Garnham, A. & H.W. **Cowles** (2011) Mental Models and Noun-Phrase Anaphora. In Zelinsky-Wibbelt, C. (Ed.) *Language and Memory*. SEBEST series, Berlin: Peter Lang.

Cowles, H.W. & A. Garnham (2011) The Role of Focus, Semantic Overlap and Discourse Function in Noun-Phrase Anaphor Resolution. In Gibson, E & Perlmutter, N. (Eds.) *The Processing and Acquisition of Reference*. Cambridge, Mass: MIT Press.

Garnham, A. & H.W. **Cowles** (2008). Looking both ways: The JANUS model of noun phrase anaphor processing. In Gundel, J. & Hedberg, N. (Eds.), *Reference and reference processing*. Oxford: Oxford University Press.

Garnham, A., & H.W. **Cowles** (2006). Reference: Psycholinguistic approach. In K. Brown (Ed.) *The Encyclopedia of Language and Linguistics* (2nd Ed., Vol. 10, pp. 427-433). Oxford: Elsevier.

Conference Proceedings and Working Papers

Fossard, M., A. Garnham, & H.W. **Cowles** (2012) Interpréter les pronoms et les démonstratifs : au-delà de la saillance, la question du genre. In Bolly, C. & Degand, L. *Corpora and Language in Use*. Belgium: Presses Universitaires de Louvain.

Cowles, H.W. (2007) The influence of "aboutness" on pronominal coreference. *ZAS Papers in Linguistics*, 38, 23-38.

Fossard, M, A. Garnham & H.W. **Cowles** (2004) The role of the discourse focus in the processing of demonstrative NPs, *International Journal of Psychology*, 39(5-6), S98.

Book Reviews

Cowles, H.W. & M. Polinsky (2007) Pragmatic organization of discourse in the languages of Europe. (Empirical approaches to language typology), Bernini, G. and Schwartz, M (eds). Book review in *Folia Linguistica*, 41(3-4), 449-454.

Invited Talks

When *the keys to the cabinet is okay*: Evidence from agreement in Persian (with Aazam Feiz). Talk presented to the Language and Brain Interest Group, UF, February 15, 2013.

Influences of the other in discourse processing: Effects of alternative referents in focus processing and anaphora. Talk presented to the Discourse Group, Utrecht University, February 23, 2012.

Who was it that kissed the boy? Comprehension processes in simple (but non-canonical) sentences (with Sunjung Kim). Talk presented to the Language and Brain Interest Group, UF, September 17, 2011.

Understanding Answers to Questions – Eye-tracking, focus and the brain. Talk presented to the Language and Brain Interest Group, University of Florida, March 20, 2009.

What it's 'about': Topic status, accessibility and sentence production. Talk presented to the Psychology Department Cognitive Forum, University of Florida, March 27, 2006.

- Of Penguins and Robins: Anaphora, Conceptual Distance and Working Memory. Talk presented to the Language and Brain Interest Group, University of Florida, October 14, 2005.
- Processing Sentences in Context: The Influence of Topic and Focus on Production and Comprehension. Talk presented to Psychology Department at the University of California, Riverside, CA, April, 2005.
- On the Nature of Focus: Clefts, Questions and Anaphors. Talk presented to the Linguistics Department at the University of Florida, Gainesville, FL, February 23, 2005.
- Processing Sentences in Context: The Influence of Topic and Focus on Production and Comprehension. Talk presented to the Psychology Department and LRDC at the University of Pittsburgh, PA, March 18, 2004.
- Processing Information Structure: An electrophysiological study of informational and contrastive Focus. Talk presented to the Linguistics Department at the University of Sussex, England, March 1, 2004.
- Brain responses to D-linking. Talk presented to the Linguistics Department at the University of Southern California, Los Angeles, CA, February 4, 2004.
- Focusing on Focus: An electrophysiological study of the role of information structure in sentence processing. Talk presented to the Linguistics Department at the University of Florida, Gainesville, FL, February, 2003.

Conference Presentations – Talks

- Cowles**, H.W. & M. Perdomo (2014) Impact of focus alternative sets on memory for text. Paper presented at the *Florida Linguistics Yearly Meeting*, Eckerd College, FL, March 22-23.
- Cowles**, H.W. (2012) Linking focus and anaphoric processing: Evidence from eye-tracking. Invited paper presented at *New perspectives on anaphora: Linguistics, psycholinguistics, and interactional issues*, Université de Neuchâtel, Switzerland, April 4-5.
- Fossard, M., A. Garnham & H.W. **Cowles** (2011) Interpréter les pronoms et les démonstratifs : au-delà de la saillance, la question du genre. Paper presented to the *2nd Annual conference on Linguistic & Psycholinguistic Approaches to Text Structuring*, Université Catholique de Louvain, Belgium, November 16-18.
- Cowles**, H.W., M. Fossard, & A. Garnham (2011) That One and the (Wrong) One: Focus, prominence and anaphoric forms. Paper presented to the *21st Annual meeting for the Society for Text and Discourse*, Université de Poitiers, France, July 11-13.
- Barkley, C.M., R. Kluender, H. W. **Cowles**, & M. Kutas (2010) Processing and Characterizing the Competence Grammar: Double Dissociations in Neural and Behavioral Responses to Linguistic Ill-formedness. Paper presented to *KogWis: 10th Biannual Meeting of the German Society for Cognitive Science*, University of Potsdam, Germany, October 3-6.
- Cowles**, H.W. (2009) An eye-tracking study of inter-sentential wh-dependencies. Paper presented to the *83rd Linguistic Society of America Annual Meeting*, San Francisco, January.
- Cowles**, H.W. (2006) The influence of topichood and “aboutness” on pronominal reference. Invited paper presented at the *Conference on Intersentential Pronominal Reference in Child and Adult Language*, Centre for General Linguistics, Typology and Universals Research (ZAS), Berlin, Germany, December.
- Garnham, A & H.W. **Cowles** (2005) JANUS: A new model of coreferential NP anaphor processing. Paper presented at the *10th Annual Architectures and Mechanisms for Language Processing Conference*, Ghent, Belgium, August.
- Cowles**, H.W & A. Garnham (2005) When is a penguin a better bird? Antecedent accessibility, clefts, and subjects in category NP anaphora. Paper presented at the *79th Linguistic Society of America Annual Meeting*, San Francisco, CA, January.

- Cowles**, H.W., R. Kluender, M. Polinsky & M. Kutas (2005) On the nature of information structure violations: An ERP investigation. Paper presented at the *79th Linguistic Society of America Annual Meeting*, San Francisco, CA, January.
- Cowles**, H.W. & A. Garnham (2004) Prominence differences in definite NP anaphor resolution: Grammatical subject and semantic distance effects. Paper presented at the *17th CUNY Conference on Human Sentence Processing*, Baltimore, MD, March.
- Cowles**, H.W., M. Polinsky, M. Kutas, & R. Kluender (2003) Brain responses to differences in the processing of informational and contrastive focus. Paper presented at the *9th Annual Architectures and Mechanisms for Language Processing Conference*, Glasgow, U.K, August.
- Cowles**, H.W. & A. Garnham (2003) Effects of antecedent focus, specificity and adjective modification in NP anaphor resolution. Paper presented at the *16th CUNY Conference on Human Sentence Processing*, Boston, MA, March.
- Cowles**, H.W. & V. Ferreira (2002) It's not just what you say: The influence of discourse status on sentence production. Paper presented at the *8th Annual Architectures and Mechanisms for Language Processing Conference*, Tenerife, Spain, August.

Conference Presentations - Posters

- Cowles**, H.W. & M. Perdomo (2014) Impact of focus alternatives on memory for focus referents. Poster presented to the *27th Annual CUNY Conference on Human Sentence Processing*, Columbus, OH, March 13-15.
- Feizmohammadpour, A. & H. W. **Cowles** (2013) Collectivity and concreteness in optional Persian number agreement. Poster presented to the *26th Annual CUNY Conference on Human Sentence Processing*, Columbia, SC, March 21-23.
- Cowles**, H.W., M. Fionda & M. Perdomo (2012) Text change blindness and alternative focus sets. Poster presented to the *25th Annual CUNY Conference on Human Sentence Processing*, New York, NY, March 14-16.
- Feizmohammadpour, A. & H. W. **Cowles** (2012) Subject-verb agreement in Persian. Poster presented to the *25th Annual CUNY Conference on Human Sentence Processing*, New York, NY, March 14-16.
- Cowles**, H.W. & S. Kim (2011) Comprehension and reading of simple canonical and non-canonical sentences. Poster presented to the *Annual Meeting of the Society for the Scientific Study of Reading*, Tampa, FL, July 13-15.
- Cowles**, H.W. (2011) Focusing on who the who is: Making sense of answers to wh-questions, Poster presented to the *Annual Convention of the Association for Psychological Science*, Washington, DC, May 26-29.
- Cowles**, H.W. (2011) When is focus identified? Poster presented to the *24rd Annual CUNY Conference on Human Sentence Processing*, Stanford, CA, March 24-26.
- Cowles**, H.W. & S. Kim (2011) Comprehension and reading of simple canonical and non-canonical sentences. Poster presented to the *24rd Annual CUNY Conference on Human Sentence Processing*, Stanford, CA, March 24-26.
- Cowles**, H.W., O. Iqbal, & E. Kaan (2010) Relative vs. complement clauses in subject-verb agreement attraction. Poster presented to the *23rd Annual CUNY Conference on Human Sentence Processing*, NYU, March 16-20.
- Dallas, A., H.W. **Cowles** & E. Kaan. (2009) L2 Use of Verbal Properties during the Processing of Complex Sentences. Poster presented to at *Second Language Processing and Parsing: State of the Science*. Lubbock, Texas. May 21-24.

- Cowles**, H.W. (2009) Understanding who the 'who' is: The role of focus in resolving inter-sentential wh-dependencies. *The 22nd Annual CUNY Conference on Human Sentence Processing*, Davis, CA, March 26-28.
- Michel, D. & H.W. **Cowles** (2009) Processing Raising and Control: A Visual World Paradigm Study. *The 22nd Annual CUNY Conference on Human Sentence Processing*, Davis, CA, March 26-28.
- Fossard, M., A. Garnham & H.W. **Cowles** (2009) Interpreting Pronouns and Demonstratives in English and French: Accessibility and/or (Dis)continuity, Poster presented at *XPrag Pragmatics and Psycholinguistics Conference*, Lyon, France, April 23-25.
- Dallas, A., E. Kaan & H.W. **Cowles** (2008) The use of subcategorization frame during second language filler-gap resolution. Poster presented at the *21st CUNY Conference on Human Sentence Processing*, Chapel Hill, NC, March.
- Cowles**, H.W. (2007) The influence of pragmatic cues on pronominal coreference. Poster presented at the *20th CUNY Conference on Human Sentence Processing*, UC San Diego, CA, March.
- Garnham, A., L. Hald & H.W. **Cowles** (2007) Focus and conceptual distance in noun-phrase anaphor resolution: Testing theories of the mechanism of their interaction. Poster presented at the *13th Annual Architectures and Mechanisms for Language Processing Conference*, Turku, Finland.
- Hald, L., A. Garnham & H.W. **Cowles** (2006) An ERP study of anaphor resolution with focused and non-focused antecedents. Poster presented at the *12th Annual Architectures and Mechanisms for Language Processing Conference*, Nijmegen, The Netherlands.
- Cowles**, H.W. & V. Ferreira (2006) Beyond accessibility: Topichood and production. Poster presented at the *19th CUNY Conference on Human Sentence Processing*, CUNY, NY.
- Cowles**, H.W., R. Kluender, M. Polinsky, & M. Kutas (2004) Processing Information Structure: An ERP study of informational and contrastive focus. Poster presented to the *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.
- Cowles**, H.W. & A. Garnham (2003) Antecedent focus and conceptual distance in NP anaphor resolution. Poster presented at the *9th Annual Architectures and Mechanisms for Language Processing Conference*, Glasgow, U.K.
- Fossard, M., A. Garnham, & H.W. **Cowles** (2003) Referential accessibility and anaphoric resolution: The case of the demonstrative noun-phrase 'That N'. Poster presented at the *9th Annual Architectures and Mechanisms for Language Processing Conference*, Glasgow, U.K.
- Cowles**, H.W., M. Kutas, & R. Kluender (2003) Different ERP results from identical sentences: The importance of prior context in sentence processing. Poster presented at the *16th CUNY Conference on Human Sentence Processing*, Boston, MA.
- Cowles**, H.W. & V. Ferreira (2002) It's not just what you say: The influence of discourse status on sentence production. Poster presented at the *43rd Annual Meeting of the Psychonomic Society*, Kansas City, MO.
- Cowles**, H.W. & V. Ferreira (2001) Information structure influences on sentence production. Poster presented at the *14th CUNY Conference on Human Sentence Processing*, Philadelphia, PA.
- Cowles**, H.W., M. Walenski, M. Polinsky, & R. Kluender (2000) Information structure in language processing: A study of topic, focus, and pronoun anaphora. Poster presented at the *13th CUNY Conference on Human Sentence Processing*, La Jolla, CA.

- Kluender R., T. Münte, H. W. **Cowles**, A. Szentkuti, M. Walenski, and B. Wieringa (1998) Brain potentials to English and German questions. Poster presented at the *Cognitive Neuroscience Society Annual Meeting*. San Francisco, CA.
- Kluender, R. and H. W. **Cowles** (1997) How acceptable is grammatical? Processing factors and the competence grammar. Poster presented at the *10th CUNY Conference on Human Sentence Processing*, Los Angeles, CA.

Professional Societies and Service

Society Memberships

Linguistic Society of America (1996-present), Association for Psychological Science (2007-present), Society for Text and Discourse (2011-2013), Society for the Scientific Study of Reading (2011-2013), Phi Beta Kappa Honor Society (elected 1996)

Peer/Adhoc Reviewer

Journals: Applied Psycholinguistics, Brain and Language, Cognition, Cognitive Neurodynamics, Discourse Processes, Journal of Applied Psycholinguistics, Journal of Child Language, Journal of Experimental Psychology, Journal of Memory and Language, Journal of Neurolinguistics, Language and Cognitive Processes, Memory and Cognition, Psychological Science, Quarterly Journal of Experimental Psychology

Conferences: CUNY Conference on Human Sentence Processing, Architectures and Mechanisms for Language Processing

Agencies: National Science Foundation, Agence Nationale de la Recherche (National Research Agency), France.

Governance and Administrative Service

College/University/Inter-departmental:

University Curriculum Committee, Member (2014-present)
University Library Committee, Member (2014-present)
UF in Utrecht study abroad program, Faculty Director (2012-present)
College Curriculum Committee:
Member (2010-present); Chair (2011, 2013-present)
Preview (Freshman orientation program), Faculty Advisor (2009-present)
LIN-SLHS participant pool organizing committee, Co-chair (2007-present)
PBK Membership Committee, Member (2009-present)

Departmental:

Undergraduate Coordinator for Linguistics (2012-present)
Executive Committee, member (2006-present)
Curriculum Committee, member (2007-present); chair (2009-present)
Admissions Committee, member (2008-2011)
Employment Committee, member (2005-2009); chair (2007-2009)
TA Coordinator for Introduction to Linguistics (2006-2008, 2014)