

CURRICULUM VITAE**Carol A. Miller**

Department of Communication Sciences and Disorders
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Penn State University
University Park, PA 16802
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Education

Ph.D., Psychology, University of Pennsylvania Dissertation title: The understanding and acquisition of symmetrical predicates in adults and young children	1994
M.A., Psychology, University of Pennsylvania Thesis title: The semantics and syntax of symmetry	1990
B.A. Michigan State University, with high honor; Major: Psychology; Honors College	1989

Positions

Co-Associate Director, Center for Language Science, The Pennsylvania State University	2009-present
Associate Professor, Program in Linguistics, The Pennsylvania State University	2008-present
Associate Professor, Department of Communication Sciences and Disorders, The Pennsylvania State University	2006-present
Assistant Professor, Department of Communication Sciences and Disorders, The Pennsylvania State University	2000-2006
Research Associate, employed by Dr. Laurence B. Leonard, Department of Audiology and Speech Sciences, Purdue University	1996-2000
Post-doctoral Fellow, funded by NIH Institutional Training Grant to the Department of Audiology and Speech Sciences, Purdue University Mentor: Dr. Laurence B. Leonard	1994-1996

Funded research

"Discriminating Auditory Processing Disorder and Specific Language Impairment in School-age Children"	2005-2009
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Funded by National Institutes of Health--National Institute of
Deafness and Other Communication Disorders
1 R03 DC007312-01
Role: Principal Investigator
Amount: \$198,608

"A Preliminary Examination of Treatments for Auditory Processing Disorder" 2002-2004
Funded by Children, Youth, and Families Consortium,
The Pennsylvania State University.
Role: Lead Investigator
Amount: \$13,181

"Collaboration on Specific Language Impairment—Project 2: Processing 2001-2006
Abilities of Children with Specific Language Impairment"
Funded by National Institutes of Health--National Institute of Deafness and Other
Communication Disorders.
2 P50 DC02746-09 (PI: J. Bruce Tomblin)
Role: Investigator
Amount: \$193,900

Peer-Reviewed Publications

- Poll, G., Betz, S., & Miller, C. (in press). Identification of clinical markers of specific language impairment in adults. *Journal of Speech, Language, and Hearing Research*.
- Miller, C.A., & Poll, G.H. (2009). Response time in adults with a history of language difficulties. *Journal of Communication Disorders*, 42, 365-379.
- Leonard, L.B., Miller, C.A., & Finneran, D.A. (2009). Grammatical morpheme effects on sentence processing by school-aged adolescents with specific language impairment. *Language and Cognitive Processes*, 24(3), 450-478.
- Finneran, D.A., Leonard, L.B., and Miller, C.A. (2009). Speech disruptions in the sentence formulation of school-age children with specific language impairment. *International Journal of Language and Communication Disorders*, 44(3), 271-286.
- Miller, C.A., Leonard, L.B., and Finneran, D. (2008). Grammaticality judgments in adolescents with and without language impairment. *International Journal of Language and Communication Disorders*, 43(3), 346-360.
- Miller, C.A., and Gilbert, E. (2008). Comparison of performance on two nonverbal intelligence tests by adolescents with and without language impairment. *Journal of Communication Disorders*, 41, 358-371.
- Leonard, L.B., Ellis Weismer, S., Miller, C.A., Francis, D.J., Tomblin, J.B., Kail, R.V. (2007). Speed of processing, working memory, and language impairment in children. *Journal of Speech, Language, and Hearing Research*, 50, 408-428.

- Miller, C.A., Leonard, L.B., Kail, R.V., Zhang, X., Tomblin, J.B., and Francis, D. (2006). Response time in fourteen-year-olds with language impairment. *Journal of Speech, Language, and Hearing Research*, 49(4), 712-728.
- Miller, C.A. (2006). Developmental relationships between language and theory of mind. *American Journal of Speech-Language Pathology*, 15, 142-154.
- Miller, C.A., and Deevy, P. (2006). Structural priming in children with and without specific language impairment. *Clinical Linguistics & Phonetics*, 20(5), 387-399.
- Kail, R.V., and Miller, C.A. (2006). Developmental change in processing speed: Domain specificity and stability. *Journal of Cognition and Development*, 7(1), 119-137.
- Miller, C.A., Uhring, E.A., Brown, J.J.C., Kowalski, E.M., Roberts, B., and Schaefer, B.A. (2005). Case studies of auditory training for children with auditory processing difficulties: A preliminary analysis. *Contemporary Issues in Communication Sciences and Disorders*, 32, 93-107.
- Miller, C.A., and Verrilli, S. (2005). Case studies of sentence complement training and false belief performance. *Contemporary Issues in Communication Sciences and Disorders*.
- Miller, C.A. (2004). False belief and sentence complement performance in children with specific language impairment. *International Journal of Language and Communication Disorders*, 39, 191-213.
- Miller, C.A., and Deevy, P. (2003). A method for examining productivity of grammatical morphology in children with and without specific language impairment. *Journal of Speech, Language, and Hearing Research*, 46, 1154-1165.
- Leonard, L.B., Deevy, P., Miller, C.A., Charest, M., Kurtz, R., and Rauf, L. (2003). The use of grammatical morphemes reflecting aspect and modality by children with specific language impairment. *Journal of Child Language*, 30, 769-795.
- Leonard, L.B., Deevy, P., Miller, C.A., Rauf, L., Gerber, E., Charest, M., and Kurtz, R. (2003). Surface forms and grammatical functions: Past tense and passive participle use by children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, 46, 43-55.
- Leonard, L.B., Miller, C.A., Deevy, P., Rauf, L., Gerber, E., and Charest, M. (2002). Production operations and the use of nonfinite verbs by children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, 45, 744-758.
- Catts, H.W., Gillispie, M., Leonard, L.B., Kail, R.V., and Miller, C.A. (2002). The role of speed of processing, rapid naming, and phonological awareness in reading achievement. *Journal of Learning Disabilities*, 35, 509-524.

- Miller, C. A., Kail, R., Leonard, L. B., and Tomblin, J. B. (2001). Speed of processing in children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, 44, 416-433.
- Miller, C. A. (2001). False belief understanding in children with specific language impairment. *Journal of Communication Disorders*, 34 (1/2), 73-86.
- Leonard, L. B., Miller, C. A., Grela, B., Holland, A. L., Gerber, E., and Petucci, M. (2000). Production operations contribute to the grammatical morpheme limitations of children with specific language impairment. *Journal of Memory and Language*, 43, 362-378.
- Leonard, L. B., Miller, C. A., and Owen, A. J. (2000). The comprehension of verb agreement morphology by English-speaking children with specific language impairment. *Clinical Linguistics and Phonetics*, 14 (6), 465-481.
- Leonard, Laurence B., Miller, Carol, and Gerber, Erika. (1999). Grammatical morphology and the lexicon in children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, 42, 678-689.
- Miller, Carol A. (1998). It takes two to tango: Understanding and acquiring symmetrical verbs. *Journal of Psycholinguistic Research*, 27, 385-411.
- Miller, Carol A. and Leonard, Laurence B. (1998). Deficits in finite verb morphology: Some assumptions in recent accounts of specific language impairment. *Journal of Speech, Language, and Hearing Research*, 41, 701-707.
- Gleitman, L., Gleitman, H., Miller, C.A., and Ostrin, R. (1996). Similar, and similar concepts. *Cognition*, 58 (3), 321-376.
- Bock, K., and Miller, C.A. (1991). Broken agreement. *Cognitive Psychology*, 23, 45-93.

Book chapters

- Deevy, P., and Miller, C.A. (2001). A tool for characterizing grammatical morphology development. In H-J. Do, L. Dominguez, & A. Johnson (Eds.), *Proceedings of the 25th Boston University Conference on Language Development*, vol. 1 (pp. 214-225). Somerville, MA: Cascadilla Press.
- Miller, C.A. (2001). False belief and sentence complements in children with specific language impairment. In H-J. Do, L. Dominguez, & A. Johnson (Eds.), *Proceedings of the 25th Boston University Conference on Language Development*, vol. 2 (pp. 491-498). Somerville, MA: Cascadilla Press.
- Miller, C.A., and Leonard, L.B. (1997). A test of assumptions of some recent accounts of specific language impairment. In E. Hughes, M. Hughes, & A. Greenhill (Eds.), *Proceedings of the 21st Boston University Conference on Language Development*, vol. 2 (pp. 402-409). Somerville, MA: Cascadilla Press.

Invited publications

- Miller, C.A. (2007). [Review of the book *A glossary of morphology*]. *Clinical Linguistics & Phonetics*, 21(4), 319-320.
- Miller, C.A., and Müller, U. (2004). Structure, genesis, and criteria [peer commentary]. *Behavioral and Brain Sciences*, 27, 116-117.

Presentations at professional meetings

- Miller, C.A., & Wagstaff, D.A. (June, 2009). *Linguistic and non-linguistic performance of children referred with auditory processing disorder or language impairment*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Miller, C.A. (June, 2008). *Principal components analysis of language and auditory processing measures*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Poll, G., and Miller, C.A. (June, 2008). *A history of late talking in children with SLI: A phonological phenomenon?* Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Miller, C.A., and Uhring, E.A. (November, 2007). *Relationships among language, auditory processing, and cognitive test performances*. Poster presented at the Convention of the American Speech-Language-Hearing Association, Boston, MA.
- Miller, C.A., and Gilbert, E. (June, 2007). *Discrepant performance on two nonverbal intelligence tests by children with and without language impairment*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Miller, C.A. (March, 2007). *Assessment of Language, Auditory Processing, and Working Memory in Schoolchildren*. Poster presented at the Convention of the Pennsylvania Speech-Language-Hearing Association, State College, PA.
- Deevy, P., and Miller, C.A. (June, 2006). *Structural priming without repetition: Evidence from children with and without SLI*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Miller, C.A., Leonard, L.B., & Finneran, D. (March, 2006). *Response time of grammaticality judgments by adolescents*. Poster presented at the Online Methods in Children's Language Processing workshop, New York, NY.
- Miller, C.A., Leonard, L.B. (July, 2005). *Processing speed and language impairment over time*. Poster presented at the Xth International Congress for the Study of Child Language, Berlin, Germany.

- Miller, C.A. (June, 2005). *Domain-specific developmental change in response time in children with and without language impairment*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Miller, C.A., Leonard, L.B., and Kail, R.V. (November, 2004). *Language impairment and processing speed over time*. Poster presented at the Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Miller, C., Blood, G., Light, J., Drager, K., Qualls, C.D., Blood, I., and Roberts, B. (November, 2004). *Problem based learning instructional modules delivered through web-based technology*. Poster presented at the Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Miller, C.A., Leonard, L.B., and Kail, R.V. (June, 2004). *Processing speed in fourteen-year-olds with language impairment*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Miller, C.A., Uhring, E.A., Brown, J., Kowalski, E., Roberts, B., and Schaefer, B. (April, 2004). *A preliminary investigation of effectiveness of treatments for auditory processing disorder*. Poster presented at the Convention of the Pennsylvania Speech-Language-Hearing Association, State College, PA.
- Uhring, E.A., Miller, C.A., Brown, J., Kowalski, E., Roberts, B., and Schaefer, B. (April, 2004). *An exploratory comparison of APD treatments*. Poster presented at the Convention of the American Academy of Audiology, Salt Lake City, UT.
- Deevy, P. L., Miller, C.A. (November, 2003). *Structural Priming in Children With and Without SLI*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Chicago, Illinois.
- Kail, R.V., and Miller, C.A. (October, 2003). *Developmental stability in speed of information processing*. Poster presented at the Biennial Meeting of the Cognitive Development Society. Park City, UT.
- Kail, R.V., and Miller, C.A. (May, 2003). *Developmental change in speed of processing: Longitudinal data*. Poster presented at the Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Miller, C.A., Leonard, L.B, and Kail, R.V. (April, 2003). *A longitudinal study of response time in children with and without language impairment*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.
- Miller, C.A., Hurley, E., Lick, D., and Strauser, M. (November, 2002). *Response time in adults with a history of language intervention*. Poster presented at the Convention of the American Speech-Language-Hearing Association, Atlanta, Georgia.

- Deevy, P., and Miller, C.A. (November, 2002). *Structural priming effects in preschoolers with and without SLI*. Poster presented at the Convention of the American Speech-Language-Hearing Association, Atlanta, Georgia.
- Leonard, L.B., Deevy, P., Miller, C.A., Charest, M., Rauf, L., and Kurtz, R. (November, 2002). *Tense and aspect in the productions of children with SLI*. Poster presented at the Convention of the American Speech-Language-Hearing Association, Atlanta, Georgia.
- Tomblin, J.B., Catts, H., Leonard, L.B., Miller, C.A., Rice, M., and Ellis Weismer, S. (July 2002). *Language-nonverbal IQ discrepancies in children with SLI*. Symposium presented at the Joint Conference of the IX International Congress for the Study of Child Language and the Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Miller, C.A. (April, 2002). *False belief and sentence complementation in children with and without specific language impairment*. Poster presented at Why Language Matters for Theory of Mind conference, Toronto, Canada.
- Leonard, L.B., Miller, C.A., Deevy, P.L., Rauf, L., Gerber, E., Charest, M. (June, 2001). *Production operations and the use of nonfinite sentences by children with specific language impairment*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Deevy, P. and Miller, C.A.(November, 2000). *A tool for characterizing grammatical morphology development*. Paper presented at the 25th Boston University Conference on Language Development, Boston, Massachusetts.
- Miller, C.A.(November, 2000). *False belief and sentence complements in children with specific language impairment*. Paper presented at the 25th Boston University Conference on Language Development, Boston, Massachusetts.
- Miller, C.A., Kail, R., and Leonard, L.B. (1998, June). *Speed of processing and specific language impairment*. Poster presented the Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Miller, C.A. and Leonard, L. B. (1997, May). *Detection of syntactic errors by children with and without specific language impairment*. Paper presented at the Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Miller, C.A. and Leonard, L. B. (1996, November). *A test of assumptions of some recent accounts of specific language impairment*. Paper presented at the 21st Boston University Conference on Language Development, Boston, Massachusetts.
- Miller, C.A., and Leonard, L.B. (1996, June). *Stretching the boundaries of SLI: Implications for recent theories of grammatical deficits*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, Wisconsin.

Miller, C.A., Gleitman, H., Gleitman L.R., and Ostrin, R. (1993, April). *Symmetry: A study of syntax-semantics links*. Poster presented at the Annual Meeting of the Eastern Psychological Association, Washington, D.C.

Invited Presentations

Tomblin, J.B., Nippold, M., Ellis Weismer, S., Catts, H., & Miller, C. (November, 2008). *Schoolage children: Living on the edge of communicative competence*. Invited symposium presented at the Convention of the American Speech-Language-Hearing Association, Chicago, IL.

Miller, C.A. (March, 2009). *Developmental relationships between language and theory of mind*. Invited paper presented at the Spectrum of Developmental Disabilities Course, Kennedy Krieger Institute, Johns Hopkins University, Baltimore, MD.

Professional Service

Reviewer for Kirschstein National Research Service Awards for Individual Fellowships to Promote Diversity in Health-Related Research, National Institutes of Health	2009
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Reviewer for internal grant proposal, University of Western Ontario, Canada	2009
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Reviewer for grant proposal, Alberta Heritage Foundation for Medical Research, Canada	2008
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Reviewer for grant proposal in Developmental and Learning Sciences, National Science Foundation, Directorate for Social, Behavioral, and Economic Science, Division of Behavioral and Cognitive Sciences	2007
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Associate Editor, <i>Journal of Speech, Language, and Hearing Research—Language</i>	2006-present
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Reviewer for grant proposal, Economic and Social Research Council, United Kingdom	2006
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Reviewer for 2006 Boston University Conference on Language Development	2006
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Reviewer for grant proposal in Developmental and Learning Sciences, National Science Foundation, Directorate for Social, Behavioral, and Economic Science, Division of Behavioral and Cognitive Sciences	2006
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Chair, Session on Language Production and Phonological Processing, Workshop on Language Processing (sponsored by National Science Foundation), The Pennsylvania State University	2005
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Guest Associate Editor, <i>Journal of Speech, Language, and Hearing Research</i>	2004-2005
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Ad hoc reviewer, <i>Journal of Experimental Child Psychology</i> ; <i>Applied Psycholinguistics</i> ; <i>Child Development</i> ; <i>Language, Speech, and Hearing Services in Schools</i> ; <i>American Journal of Speech-Language Pathology</i> ; <i>First Language</i> ; <i>Journal of Speech, Language, and Hearing Research</i> ; <i>Cognitive Development</i> ; <i>Journal of Communication Disorders</i>	1999-present
Reviewer for 2005 Boston University Conference on Language Development	2005
Reviewer for grant proposal in Linguistics Program, National Science Foundation, Directorate for Social, Behavioral, and Economic Science, Division of Behavioral and Cognitive Sciences	2004
Reviewer for grant proposal, Alberta Heritage Foundation for Medical Research, Canada	2004
Rapporteur for end of award report, Economic and Social Research Council, United Kingdom	2004
Reviewer for 2005 Biennial Meeting of Society for Research in Child Development, Panel 10: Language	2004
Editorial Consultant, <i>Journal of Speech, Language, and Hearing Research</i>	1998-2003
External reviewer for research grant proposal, Sponsored Programs and Research Office, Bowling Green State University	2003
External reviewer for Research Training Fellowship, Wellcome Trust, United Kingdom	2003
External reviewer for research grant proposal, Royal National Institute for Deaf People, United Kingdom	2002
American Speech-Language-Hearing Association Convention Committee, Topic Area: Language in Infants, Toddlers, and Preschoolers	1999
Presenter, "Expanding Your Horizons" workshop (promotes awareness of math and science career opportunities for girls)	1995-1997

Honors and Awards

Nominated for Excellence in Advising Award, sponsored by Undergraduate Student Government and Office of the Vice Provost for Undergraduate Education and International Education, The Pennsylvania State University	2002
Administrative/Professional Staff Advisory Committee Individual Professional Development Award, Purdue University	1999
Research Award, Association for Women in Science Educational Foundation	1993

updated October 2009

National Science Foundation Graduate Research Fellowship	1989-1992
Andrew Alumni Award for Academic Excellence, College of Social Science, Michigan State University (faculty-nominated award for the outstanding graduating senior in the College)	1989
Phi Beta Kappa, Michigan State University	1988

Professional Societies

- Society for Research in Child Development (Member)
- International Association for the Study of Child Language (Member)
- American Speech-Language-Hearing Association (Member)