

Lesley Barrett Olswang, PhD

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 Department of Speech and Hearing Sciences
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Educational Background

- University of Washington Ph.D. 1978 Speech and Hearing Sciences
- University of Illinois M.A. 1971 Speech and Hearing Sciences
- Northwestern University B.S. 1969 Communication Sciences and Disorders

Professional Background***University of Washington******Department of Speech and Hearing Sciences***

- Professor Emeritus, 6/11 – present
- Associate Chair, 3/95 – 9/05
- Professor, 9/91 – 6/11
- Associate Professor, 9/85 – 8/91
- Assistant Professor, 9/78 – 8/85
- Acting Assistant Professor, 9/77 – 9/78

University of Washington***Center on Human Development and Disability***

- Research Affiliate, 6/97 – present

Title III, Program in Early Childhood Development***Evanston, Illinois***

- Program Coordinator, 9/72 – 9/74
- Speech – Language Pathologist, 9/71 – 9/72

Americana Nursing Center and St Mary's Hospital***Decatur Illinois***

- Speech – Language Pathologist, 1/71 – 9/71

Certifications and Membership

- American Speech-Language-Hearing Association, Certificate of Clinical Competence, 1/72 - present
- Illinois Teaching Certificate, Speech Correction, K-12, 1/69 – 9/72.
- Member, American Speech-Language-Hearing Association (ASHA), 1972- present.
- Member, Washington Speech and Hearing Association (WSHA), 1975-present.

Honors And Awards

- Honors, American Speech, Language, Hearing Association, November 18, 2016.
- University of Washington, Department of Speech and Hearing Sciences, Distinguished Alumnus, 2015.
- University of Illinois, Distinguished Alumnus and John J. O'Neill Lecture Speaker, 2009.

- University of Washington, Marsha Landolt Distinguished Graduate Mentor Award, 2005.
- Washington State Speech-Language-Hearing Association, Clinical Achievement Award, 2004.
- Fellow, American Speech-Language-Hearing Association, November 21, 1996.
- Fulbright Scholar, University of Reading, Department of Linguistic Science, Reading, U.K. and University of Edinburgh, Department of Psychology, Edinburgh, Scotland, September, 1994 - February, 1995.
- American Journal of Speech Language Pathology, 1995 Editor's Award for the article, Bain, B. & Olswang, L. "Examining Readiness for Learning Two-Word Utterances by Children with Specific Expressive Language Impairment: Dynamic Assessment Validation."
- Language, Speech and Hearing Services in Schools, 1991 Editor's Award for the article, Olswang, L. & Bain, B. "Treatment Efficacy: When to Recommend Intervention."
- Language, Speech and Hearing Services in Schools, 1986 Editor's Award for the article, Schwabe, A., Olswang, L. & Kriegsmann, E. "Requests for Information: Linguistic, Cognitive, Pragmatic and Environmental Variables."
- University of Washington, Distinguished Teaching Award, 1983.

Selected Service

Professional-Regional

- Member, WSHA Education and Research Committee, 1982-1988.
- Member, WSHA Joint Technical Adequacy Committee, 1984-1986.
- Co-chair Program Committee, WSHA-OSHA (Oregon Speech and Hearing Association), Convention, October, 1983.

Professional-National

- Member and Vice President Programs, Board of Trustees, American Speech, Language, Hearing Foundation, Rockville, MD, 2012-present.
- Member, Board of Trustees, Regenstrief Foundation, Indiana University/Purdue University Medical School, Indianapolis, IN, 2000-present.
- Participant, Mentoring Academic Research Careers, American Speech, Language, Hearing Association, 2015-2016.
- Participant, Grant Review Reviewer Training, American Speech, Language, Hearing Association, 2013, 2014, 2015.
- Co-Chair, Implementation Science Summit, Sponsored by the American Speech, Language, Hearing Foundation, Carlsbad, CA, March 21-22, 2014.
- American Speech, Language, Hearing Foundation, Scholarship/Grant Reviewer, 1996, 2006, 2008, 2010
- Program Committee Member, Child Speech and Language Intervention, ASHA Annual Convention, San Antonio, Texas, 1998.

- Language Subcommittee of the Executive Policy Board of ASHA's Clinical Trials Cooperative Group, NIH, NIDCD, 1997-1998.
- NIH - Reviewers Reserve (NRR), July 1994 - June 1998.
- NIH Study Section Member - Human Development and Aging - 3, October 1990-July 1994.
- Steering Committee, Conference on Research Mentorship and Training in Communication Sciences and Disorders, Sponsored by National Institute on Deafness and Other Communication Disorders and the American Speech-Language-Hearing Foundation, May 6-7, 1993.
- Editorial Consultant, *American Journal of Speech-Language Pathology*, 1991-present.
- Chair, Conference on Treatment Efficacy, Sponsored by the American Speech, Language, Hearing Foundation, San Antonio, March 17-19, 1989.
- Coordinator, ASHA Experimental Analysis Interest Group - November, 1986-1988.
- Associate Editor, *Language, Speech, Hearing Services in Schools*, January 1, 1988-1990.
- Editorial Consultant, *Language, Speech, Hearing Services in Schools*, January 1, 1987-present
- Editorial Consultant, *Journal of Speech and Hearing Disorders*, January 1, 1986-1988.
- Member, 1986 ASHA Program Committee, Annual Convention, Language Disorders and Learning Disabilities - Intervention.
- Member, 1979 ASHA Program Committee, Annual Convention, Language Disorders and Learning Disabilities.

Selected Grants Received (Pi Unless Otherwise Noted)

- "Integrating an evidence-based communication intervention for young children with physical disabilities into a community early intervention center: a pilot project", University of Washington, Institute of Translational Health Sciences, January 1, 2014 – December 31, 2014.
- "Acquisition of Triadic Eye Gaze by Young Children with Motor Impairments", National Institutes of Health, (Part of Program Project: Communication of People with Mental Retardation, Dick Saunders Principal Investigator, University of Kansas), April, 2007 - March 2012.
- "Triadic Eye Gaze Caregiver Research", American Recovery and Reinvestment Act Award (ARRA), September 1, 2010-August 31, 2012.
- "Intervening with Children/Adolescents with FAS/ARND," Centers for Disease Control, Co-Investigator with Susan Astley Principal Investigator, September, 2001-September, 2005.
- "Tapping into Social Communication Problems," Agency: University of Washington Royalty Research Award, December, 2002-August, 2005.

“Early Signals of Communication and their Relationship to Later Language and Social Skills,” University of Washington Institute for Learning and Brain Sciences, formerly Center for Mind, Brain, and Learning September, 2001-March, 2003.

“Tele-collaboration in Speech and Hearing Sciences,” University of Washington Tools for Transformation, September 15, 1999-September 14, 2001.

“Communication in MR,” Subcontract with University of Kansas, NIH Grant, Co-Investigator with Richard Saunders, Principal Investigator, February 1, 2001-January 31, 2002.

“Multicultural Presence and Understanding: A Model for Mentoring Undergraduate Students in Speech-Language Pathology,” American Speech, Language, Hearing Association, Project on Multicultural Activities 2000- 2001, September 15, 2000-September 14, 2001.

“Investigation of Social Communication Skills in School-Age Children with Alcohol Related Disabilities,” University of Washington, Alcohol and Drug Abuse Institute, June 15, 1999-June 15, 2000.

“Improving Social Communication Deficits in Children with Developmental Disabilities,” Association for Retarded Citizens, Seattle, Washington, September 1, 1997 - August 31, 1998.

“Evaluating the Effectiveness of Early Intervention,” University of Washington, Royalty Research Fund, September 1, 1997 - August 31, 1998.

“Research methodology applied to clinical decisions,” Department of Education, Training Personnel for the Education of the Handicapped, September 16, 1989 - September 15, 1992.

“Predicting the Benefits of Language Treatment,” National Institutes of Health, First Award, February 1, 1989 - January 31, 1993.

“Development of Procedures for Assessing Prelinguistic and Early Linguistic Behaviors in Low Functioning Children,” U.S. Office of Education, Bureau of Education for the Handicapped, Co-Investigator with R. Carpenter Principal Investigator, October 1, 1980 -September, 1983.

Selected Invited Presentations (27 Of 53)

“Clinical Research: Chasing Treatment Efficacy”, University of Washington, Department of Speech and Hearing Sciences Distinguished Alumnus, Olswang Symposium, “Mind the Gap: the Value of Clinical Research in Clinical Practice”, June 12, 2015.

“Challenges in Moving Evidence from the Lab to Practice: First Steps”, American Speech, Language, Hearing Foundation Implementation Summit, Carlsbad, CA., March 20-22, 2014.

“Implementation Science: Moving Evidence into Practice and Giving Practice Evidence”, American Speech, Language, Hearing Association Annual Convention, Chicago, IL., November 2013.

“Social Engagement and Early Communication: Theory to Practice.” Third Annual Leadership Conference, University of Massachusetts, Amherst, April 30, 2010.

“Treating Babies with Motor Impairment: Building Social Engagement and Early Signals of Communication.” John J. O’Neill Lecture Series, University of Illinois, Champaign, Illinois, March 13, 2009.

- "Social Communication: Assessment and Intervention Ideas for Preverbal and School-age Children." Christine Seskus Memorial Speaker, ACSLPA – Alberta College of Speech Language Pathology Conference, Alberta, Canada, October, 25, 2007.
- "Early Communication Development: Teaching Preverbal Signals to Infants with Disabilities." Canadian Association of Speech-Language Pathologists and Audiologists. Victoria, B.C., April 24-27, 2002.
- "Social Communication Problems in School-Age Children." Seattle Public Schools, Continuing Education Workshop for Speech-Language Pathologists, March 16, 2001.
- "Early Signals of Communication: Intervention for Babies with Physical Impairments." University of Bergen, Department of Psychology, Bergen, Norway, April 11, 2000.
- "Clinical Methodology for Documenting Change." Goteborg University, Department of Logopedics and Phoniatics, Goteborg, Sweden, April 3-8, 2000.
- "The Role of Language in the Cognitive Rehabilitation of Children Affected by Prenatal Alcohol Exposure." Meeting Sponsored by the Interagency Coordinating Committee on Fetal Alcohol Syndrome and Center for Disease Control, Bethesda, MD, September 10-11, 1998.
- "Language Intervention for Children with FAS and FAE; What Do We Know and Where Do We Go From Here?" Prevention and Management - Fetal Alcohol Syndrome and Prenatal Substance Abuse, 1997 Conference, Breckenridge, Colorado, September 26-27, 1997.
- "Clinical Research in Communication Disorders." Department of Logopedics and Phoniatics, University of Goteborg, Goteborg, Sweden, October 16-20, 1995.
- "Shaping Communicative Signals in Young Children with Cerebral Palsy: A Treatment Efficacy Study." Department of Psychology, University of Edinburgh, Edinburgh, Scotland, January 18, 1995.
- "Single Subject Designs and Clinical Research." Department of Linguistic Science, University of Reading, Reading, England, December 1, 1994.
- "Remediation of Child Language Disorders." Department of Linguistic Science, University of Reading, Reading, England, November 24, 1994.
- "Nature of Quantitative and Qualitative Measures." Second Symposium on Treatment Research, Chicago Rehabilitation Institute, Chicago, Illinois, April 8-9, 1994.
- "Speech-Language Pathologists as Providers of Direct Treatment: When Can We Be Most Effective?" and "Nature-Nurture: How Can We Best Affect Change." Conference on How Much Therapy is Enough, sponsored by the Neurological Centre of Vancouver, British Columbia, Canada, November 19-20, 1993.
- "Issues in Research Mentorship and Training - Gender Considerations: Pitfalls and Solutions." Conference on Research Mentorship and Training in Communication Sciences and Disorders sponsored by the National Institute of Deafness and Other Communication Disorders, NIH and the American Speech-Language-Hearing Foundation, May 6-7, 1993.
- "Treatment Efficacy Research: A Paradigm for Investigating Clinical Practice and Theory." Workshop on Treatment Efficacy Research in Stuttering, sponsored by the National Institute of Deafness and Communication Disorders, NIH, September 21, 1992.

- "Intervention Research: The Co-Mingling of Theory and Practice." Annual Symposium on Research in Child Language Disorders, University of Wisconsin, Madison, Wisconsin, June 5, 1992.
- "Predicting Outcomes: Crystal Ball Gazing." NICHD and Vanderbilt University co-sponsored conference, The Social Use of Language: Pathways to Success," Nashville, Tennessee, June 20-22, 1990.
- "Treatment Efficacy Research Questions: Effects, Effectiveness and Efficiency." ASHF sponsored-Conference on Treatment Efficacy, San Antonio, March 1989.
- "Caseload Selection and Alternative Service Delivery for Language Impaired Children: Principles and Procedures." University of Nevada, Las Vegas and Reno, August 11, 12, 15, 16, 1988.
- "Informed Decision Making: Determining the Who, What and How Long of Treatment for Communication Disorders." Annual Seminar Sponsored by Speech-Language Pathology Department, St. Luke's Medical Center, Scottsdale, Arizona, February 28, 1986.
- "Assessing Prelinguistic and Early Linguistic Behaviors in Low Functioning Children." Annual Convention of the California Speech and Hearing Association, Los Angeles, April 20, 1985.
- "Application of Clinical Research to Work with Young Speech and Language Impaired Children." Speech and Hearing Association of Alberta, Edmonton, Alberta, October 21 and 22, 1983.

Selected Publications (62 Of 75)

Books and Chapters

- Olswang, L., & Bain, B. (2013). Treatment research. In L.A. Golper and C. Fratalli (Eds). *Outcomes in Speech-Language Pathology, 2nd Edition*. New York: Thieme Publishing.
- Coggins, T., Olswang, L., Carmichael Olson, H., & Timler, G. (2003) On becoming socially competent communicators: the challenge for children with fetal alcohol exposure. L. Abbeduto (ed.), *International Review of Research in Mental Retardation: Language and Communication in Mental Retardation*, Vol 27, New York: Academic Press.
- Olswang, L., & Bain, B. (2001). Data collection for monitoring client change: moving into the 21st Century. In R. Lubinski & C. Frattali (eds.), *Professional issues in speech-language pathology and audiology* (pp. 437-456). San Diego: Singular Publishing Group, Inc.
- Olswang, L. (1997). Treatment efficacy research. In C. Frattali (Ed.), *Outcomes Measurement in Speech-Language Pathology*. New York, NY: Thieme Medical Publishers, Inc.
- Olswang, L., Bain, B. & Johnson, G. (1991). Using Dynamic Assessment with children with language disorders. In S. Warren & J. Reichle (Eds.), *Causes and effects in communication and language intervention*. Brooks Publishing Co.
- Olswang, L, Thompson, C., Warren, S. & Minghetti, N. (Eds.) (1990). *Treatment Efficacy: Research in Communication Disorders*. American Speech-Language-Hearing Foundation.
- Olswang, L. & Bain, B. (1988). Assessment of language in developmentally disabled infants and preschoolers (pp. 285-320). In T. Wachs & R. Sheehan (Eds.), *Assessment of developmentally disabled children: A transdisciplinary approach*. New York: Plenum Publishing Corporation.

Olswang, L., Stoel-Gammon, C., Coggins, T. & Carpenter, R. (1987). *Assessing prelinguistic and early linguistic behaviors in developmentally young children*. Seattle: University of Washington Press.

Olswang, L., Bain, B. & Mateer, C. (January, 1987). Language intervention research. In P. Tallal (Ed.), *Interagency Committee on learning disabilities, Report to the U.S. Congress: Developmental language disorders*. Washington, D.C.

Coggins, T. & Olswang, L. (1987). The pragmatics of generalization (pp. 283-302). In R. Ingham (Ed.) *Strategies of transfer and maintenance of therapeutic progress in school children*. New York: Thieme-Stratton, Inc.

Holliday, F. & Olswang, L. (1974). *School-Community Program in Early Childhood Development*. Evanston, Illinois: District #65 Evanston Public School System.

Peer-reviewed Journals

Crooke, P., Winner, M., & Olswang, L. (in press). Thinking socially: teaching social knowledge to foster social behavioral change. *Topics in Language Disorders*.

Olswang, L., & Prelock, P. (2015). Bridging the Gap between Research and Practice: Implementation Science, *Journal of Speech, Language, and Hearing Research*, Implementation Science Supplement, 58, S1818-S1826.

Crooke, P., & Olswang, L. (2015). Practice-based Research: Another Pathway for Closing the Research-Practice Gap. *Journal of Speech, Language Hearing Research*, Implementation Science Supplement, 58, S1871-S1882.

Olswang, L., Dowden, P., Feuerstein, J., Greenslade, K., Pinder, G.L., & Fleming, K. (2014) Triadic Gaze Intervention for Young Children with Physical Disabilities. *Journal of Speech-Language, and Hearing Research*, 57, 1740-1753.

Olswang, L., Feuerstein, J., Pinder, G.L., & Dowden, P. (2013). Validating Dynamic Assessment of Triadic Gaze for Young Children with Severe Disabilities. *American Journal of Speech-Language Pathology*, 22, 449-462.

Kjellmer, L., & Olswang, L. (2013). Variability in classroom social communication: performance of children with fetal alcohol spectrum disorders and typically developing peers. *Journal of Speech, Language, and Hearing Research*, 56, 982-993.

Brady, N., Fleming, K., Thiemann-Bourke, K, Olswang, L., Dowden, P., Saunders, M. (2012). Development of the Communication Complexity Scale. *American Journal of Speech-Language Pathology*, 21, 16-28.

Olswang, L., Svensson, L., & Astley (2010). Observation of classroom social communication: Do children with fetal alcohol syndrome disorders spend their time differently than their typical peers? *Journal of Speech, Language, and Hearing Research*, 53, 1687-1703.

Saunders, R. R., Saunders, M. D., Struve, B., Munce, A. L., Olswang, L. B., Dowden, P. A., & Klasner, E. R. (2007). Discovering indices of contingency awareness in adults with multiple profound disabilities. *American Journal on Mental Retardation*, 112, 246-260.

- Olswang, L., Coggins, T., & Svensson, L. (2007). Assessing social communication in the classroom: observing manner and duration of performance. *Topics in Language Disorders*, 27, 107-125.
- Coggins, T., Timler, G., & Olswang, L. (2007). A state of double jeopardy: Impact of prenatal alcohol exposure and maltreatment on the social communicative abilities of school-age children with fetal alcohol spectrum disorder. *Language, Speech and Hearing Services in Schools*, 38(2), 117-127.
- Olswang, L., Svensson, L., Coggins, T., Beilinson, J., & Donaldson, A. (2006). Reliability issues and solutions for coding social communication performance in classroom settings. *Journal of Speech, Language, and Hearing Research*, 49(5), 1058-71.
- Olswang, L., Pinder, G-L, & Hanson, R. (2006). Communication in young children with motor impairments: Teaching caregivers to teach. *Seminars in Speech and Language*. Current Issues in Providing Services to Infants and Toddlers, 27, 199-214.
- Mellstrom, B., Saunders, M., Saunders, R., & Olswang, L. (2005). Interaction of behavioral state and microswitch use in individuals with profound multiple impairments. *Journal of Developmental and Physical Disabilities*, 17, 35-53.
- Timler, G., Olswang, L., & Coggins, T. (2005). Social communication interventions for preschoolers targeting peer interactions during peer group entry and cooperative play. *Seminars in Speech and Language*, 26, 170-180.
- Timler, G., Olswang, L., & Coggins, T. (2005). "Do I Know What I need to Do?" A social communication intervention for children with complex clinical profiles. *Language, Speech, and Hearing Services in Schools*, 36, 73-85.
- Murphy, K. M., Saunders, M. D., Saunders, R. R., & Olswang, L. B. (2004). Effects of ambient stimuli on measures of behavioral state and microswitch use in adults with profound multiple impairments. *Research in Developmental Disabilities*, 25, 355-370.
- Rodriguez, B., & Olswang, L. (2003). Mexican-American and Anglo-American mothers' beliefs and values about child rearing, education, and language impairment. *American Journal of Speech-Language Pathology*, 452-462.
- Beilinson, J., & Olswang, L. (2003). Facilitating peer group entry in kindergarteners with deficits in social communication. *Language, Speech, Hearing Services in Schools*, 34, 154-166.
- Stone-Goldman, J. & Olswang, L. (2003). Learning to look, learning to see: using ethnography to develop cultural sensitivity. *Asha Leader*, 8(5), pp. 6-7, 14-15.
- Olswang, L., Coggins, T., & Timler, G. (2001). Alternative measures for evaluating outcomes: outcome measures for school-age children with social communication problems. *Topics in Language Disorders*, 21(4), 50-73.
- Timler, G., & Olswang, L. (2001). Variable structure/variable performance: caregiver and teacher perspectives of a child with Fetal Alcohol Syndrome. *Journal of Positive Behavioral Intervention*, 3, 48-56.
- Olswang, L., Rodriguez, B., & Timler, G. (1998). Recommending intervention for toddlers with specific language learning disabilities: we may not have all of the answers but we know a lot. *American Journal of Speech-Language Pathology*, 7(1), 23-32.

- Long, S., Olswang, L., Brian, J., & Dale, P. (1997). Productivity of emerging word combinations in toddlers with specific expressive language impairment. *American Journal of Speech-Language Pathology*, 6, 34-47.
- Olswang, L., Long, S., & Fletcher, P. (1997). Verbs in the emergence of word combinations in children with specific expressive language impairment. *European Journal of Disorders of Communication*, 32, 15-33.
- Schwartz, I., & Olswang, L. (1996). Evaluating child behavior change in natural settings: Exploring alternative strategies for data collection. *Topics in Early Childhood Special Education*, 16 (1), 82-101.
- Olswang, L. & Bain, B. (1996). Assessment information for predicting upcoming change in language production. *Journal of Speech and Hearing Research*, 39, 414-423.
- Long, S. & Olswang, L. (1996). Readiness and patterns of growth in children with specific expressive language impairment. *American Journal of Speech-Language Pathology*, 5, 79-85.
- Olswang, L. & Pinder, G.L. (1995). Preverbal functional communication and the role of object play in children with cerebral palsy. *Infant-Toddler Intervention*, 5, 277-300.
- Pinder, G-L. & Olswang, L. (1995). Development of communicative intent in young children with cerebral palsy: A treatment efficacy study. *Infant-Toddler Intervention*, 5, 51-69.
- Bain, B. & Olswang, L. (1995). Examining readiness for learning two-word utterances: Dynamic assessment validation. *American Journal of Speech-Language Pathology*, 4, 81-89.
- Olswang, L. & Bain, B. (1994). Data collection: Monitoring children's treatment progress. *American Journal of Speech-Language Pathology*, 3, 55-66.
- Olswang, L. (1993). Treatment efficacy research: A paradigm for investigating clinical practice and theory. *Journal of Fluency Disorders*, 18, 1-7.
- Pinder, G.L., Olswang, L. & Coggins, K. (1993). The development of communicative intent in a physically disabled child. *Infant-Toddler Intervention*, 3, 1-17.
- Bain, B., Olswang, L. & Johnson, G. (1992). Language sampling for repeated measures with language impaired preschoolers: Comparison of two procedures. *Topics in Language Disorders*, 12, 13-27.
- Olswang, L. & Bain, B. (1991). Treatment Efficacy: When to recommend Intervention? *Language, Speech, Hearing Services in Schools*, 22, 255-263.
- Olswang, L. & Bain, B. (1991). Intervention issues for toddlers with specific language impairments. Late Bloomers: Language Development and Delay in Toddlers, *Topics in Language Disorders*, 11, 69-86.
- Olswang, L. (1990). Treatment efficacy research: A path to quality assurance. *Asha*, 32, 45-47.
- Stone, J. & Olswang, L. (1989). The hidden challenge in counseling. *Asha*, 31, 27-31.
- Scherer, N. & Olswang, L. (1989). Using structured discourse as a language intervention technique with autistic children. *Journal of Speech and Hearing Disorders*, 54, 383-394.

- Landa, R. & Olswang, L. (1988). Effectiveness of language elicitation tasks with two-year-olds. *Child Language Teaching and Therapy*, 4, 170-192.
- Coggins, T., Olswang, L. & Guthrie, J. (1987). Assessing communicative intents in young children: Low structured observation or elicitation tasks. *Journal of Speech and Hearing Disorders*, 52, 44-49.
- Schwabe, A., Olswang, L. & Kriegsmann, E. (1986). Requests for information: Linguistic, cognitive, pragmatic and environmental variables. *Language, Speech and Hearing Services in Schools*, 17, 38-55.
- Olswang, L. & Bain, B. (1985). Monitoring phoneme acquisition for making treatment withdrawal decisions. *Applied Psycholinguistics*, 6, 17-37.
- Scherer, N. & Olswang, L. (1984). Role of mother's expansions in stimulating children's language production. *Journal of Speech and Hearing Research*, 27, 387-396.
- Moellman-Landa, R. & Olswang, L. (1984). Effects of adult communication behaviors on language-impaired children's verbal output. *Applied Psycholinguistics*, 5, 117-133.
- Olswang, L., Bain, B., Dunn, C. & Cooper, J. (1983). The effects of stimulus variation on lexical learning. *Journal of Speech and Hearing Disorders*, 48, 192-201.
- Olswang, L., Kriegsmann, E. & Mastergeorge, A. (1982). Facilitating functional requesting in pragmatically impaired children. *Language, Speech and Hearing Services in Schools*, 13, 202-222.
- Olswang, L. & Carpenter, R. (1982). Ontogenesis of agent: Linguistic expression. *Journal of Speech and Hearing Research*, 25, 306-313.
- Olswang, L. & Carpenter, R. (1982). Ontogenesis of agent: Cognitive notion. *Journal of Speech and Hearing Research*, 25, 297-305.
- Olswang, L. & Carpenter, R. (1978). Elicitor effects on the language obtained from young language-impaired children. *Journal of Speech and Hearing Disorders*, 43, 76-88.