

## CURRICULUM VITAE

### BIOGRAPHICAL

<b>NAME</b>	Diane L. Williams	<b>CITIZENSHIP</b>	United States
<b>AFFILIATION</b>	Department of Communication Sciences & Disorders The Pennsylvania State University 308 Ford Building University Park, PA 16802	<b>HOME ADDRESS</b>	240 Aster Avenue Bellefonte, PA 16823
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### I. PROFESSIONAL PREPARATION AND EXPERIENCE

#### EDUCATION

##### GRADUATE

<u>DATES ATTENDED</u>	<u>NAME AND LOCATION OF INSTITUTION</u>	<u>DEGREE/YR</u>	<u>DISCIPLINE</u>
1995-1999	Bowling Green State University Bowling Green, OH	PH.D. 1999	Speech/Language Pathology
1981-1985	Villanova University Villanova, Pennsylvania	M.A. 1985	Religious Studies
1976-1978	University of Tennessee Knoxville, Tennessee	M.A. 1978	Speech/Language Pathology

##### UNDERGRADUATE

<u>DATES ATTENDED</u>	<u>NAME AND LOCATION OF INSTITUTION</u>	<u>DEGREE/YR</u>	<u>MAJOR SUBJECT</u>
1972-1976	Auburn University Auburn, Alabama	B.S. 1976	Speech/Language Pathology

#### WORK HISTORY

##### ACADEMIC APPOINTMENTS

<u>YEARS INCLUSIVE</u>	<u>RANK/TITLE</u>	<u>NAME AND LOCATION OF INSTITUTION OR ORGANIZATION</u>
2016 - present	Professor and Head of the Department (with tenure)	Department of Communication Sciences and Disorders The Pennsylvania State University, State College, PA
2013 - 2016	Anna Rangos Rizakus Endowed Chair for Health Sciences & Ethics	Duquesne University, Pittsburgh, PA
2012 - 2016	Associate Professor (with tenure)	Department of Speech/Language Pathology Duquesne University, Pittsburgh, PA
2017 - present	Adjunct Professor of Psychology	Department of Psychology, Developmental Program University of Pittsburgh, Pittsburgh, PA
2015 - 2017	Adjunct Associate Professor of Psychology	Department of Psychology, Developmental Program University of Pittsburgh, Pittsburgh, PA
2006 - 2012	Assistant Professor	Department of Speech/Language Pathology Duquesne University, Pittsburgh, PA

2004 - 2006	Assistant Professor	Department of Psychiatry, School of Medicine University of Pittsburgh, Pittsburgh, PA
2001 - 2004	Postdoctoral Clinical Research Fellow in Child Psychiatry	Western Psychiatric Institute & Clinic School of Medicine University of Pittsburgh, Pittsburgh, PA
1998 - 2001	Assistant Professor	Department of Speech/Language Pathology Duquesne University, Pittsburgh, PA
1995-1998	Graduate Fellow	Department of Communication Disorders Bowling Green State University, Bowling Green, OH
1994 - 1995	Instructor	Department of Communication Disorders Bowling Green State University, Bowling Green, OH
1987 - 1993	Clinical Lecturer	Department of Speech & Hearing Sciences Indiana University, Bloomington, IN

### **NON-ACADEMIC WORK**

<b><u>YEARS INCLUSIVE</u></b>	<b><u>RANK/TITLE</u></b>	<b><u>NAME AND LOCATION OF INSTITUTION OR ORGANIZATION</u></b>
1993 – 1994	Senior Speech/Language Pathologist	Child Evaluation Center University of Louisville, Louisville, KY
1986 – 1987	Speech/Language Pathologist	Sparks Center for Developmental & Learning Disorders/University of Alabama at Birmingham Birmingham, AL
1986 – 1986	Coordinator of Language Communication Program	Rural Infant Stimulation Environment The University of Alabama, University, AL
1981-1985	Speech/Language Pathologist	United Cerebral Palsy, Philadelphia, PA
1979 – 1981	Speech/Language Pathologist	Lebanon Speech & Hearing Center, Lebanon, VA
1978 – 1979	Speech/Language Pathologist	St. Nicholas Speech & Hearing Center Greenwood, SC

### **CERTIFICATIONS AND LICENSURE**

#### **CERTIFICATIONS**

<b><u>YEAR</u></b>	<b><u>NAME OF THE CERTIFICATE</u></b>	<b><u>CERTIFYING BOARD</u></b>
1978	Certificate of Clinical Competence	American Speech-Language-Hearing Association
2004	Board Certified Specialist in Child Language and Language Disorders	American Board of Child Language and Language Disorders

#### **PROFESSIONAL LICENSURE**

<b><u>YEAR</u></b>	<b><u>TYPE OF LICENSE</u></b>	<b><u>LICENSING BOARD</u></b>
1998	Speech/Language Pathology	State Board of Examiners in Speech-Language & Hearing, Commonwealth of Pennsylvania

### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

<b><u>YEAR</u></b>	<b><u>ORGANIZATION</u></b>
1978-Present	American Speech-Language-Hearing Association SIG 10 Issues in Higher Education. (October 2016 - Present) SIG 11 Administration and Supervision. (October 2016 - Present) SIG 01 Language Learning and Education. (October 2006 - Present)

2002-Present	International Society for Autism Research
1998-Present	Pennsylvania Speech-Language-Hearing Association
2014-Present	Association for Psychological Science
2021	National Black Association for Speech-Language and Hearing

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## II. SCHOLARSHIP

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### REFEREED ARTICLES

1. Quiñones-Camacho, L.E., Fishburn, F.A., Belardi, K., **Williams, D.L.**, Huppert, T.J., & Perlman, S.B. (in press). Dysfunction in interpersonal neural synchronization as a mechanism for social impairment in autism spectrum disorder. *Autism Research*
2. Coburn, K., & **Williams, D.L.** (2020). Development of neural structure and function in autism spectrum disorders: Potential implications for learning language. *American Journal of Speech-Language-Pathology*, 29(4), 1783-1797. doi/10.1044/2020\_AJSLP-19-00209
3. Clarke, K., & **Williams, D.L.** (2020). Instruction using AAC supports: Description of current practices by speech-language pathologists who work with children with ASD. *American Journal of Speech-Language-Pathology*, 29(2), 586-596. doi/10.1044/2019\_AJSLP-19-00045
4. Gormley, J.E., & **Williams, D.L.** (2019). Providing supportive hospital environments to promote the language development of infants and children born premature: Insights from neuroscience. *Journal of Pediatric Health Care*, 33(5), 520-528. doi.org/10.1016/j.pedhc.2019.01.007
5. **Williams, D.L.**, Siegel, M., & Mazefsky, C.A. & for the Autism and Developmental Disorders Research Collaborative (ADDIRC) (2018). Problem behaviors in autism spectrum disorder: Association with verbal ability and adapting/coping skills. *Journal of Autism and Developmental Disorders*, 48, 3668-3677. DOI 10.1007/s10803-017-3179-0.
6. **Williams, D.L.**, Minshew, N.J., Goldstein, G., & Mazefsky, C.A. (2017). Long-term memory in older children/adolescents and adults with autism spectrum disorder. *Autism Research*, 10, 1523-1532. | DOI: 10.1002/aur.1801]
7. **Williams, D.** (2016). Problems with auditory comprehension, verbal encoding, and cognitive flexibility in autism spectrum disorders: Insights from neuroscience. *eHearsay: Electronic Journal of the Ohio Speech and Hearing Association*, 6, 22-33.
8. Carter, E.J., Hyde, J., **Williams, D.L.**, & Hodgins, J.K. (2016). Investigating the influence of avatar facial characteristics on the social behaviors of children with autism. *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*, 140-151. DOI: 10.1145/2858036.2858345
9. Kana, R.K., Maximo, J.O., **Williams, D.L.**, Keller, T.A., Schipul, S.E., Cherkassky, V.L., Minshew, N.J., & Just, M.A. (2015) Aberrant functioning of the Theory-of-Mind network in children and adolescents with autism. *Molecular Autism*, 6, 59. DOI 10.1186/s13229-015-0052-x
10. **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2015). Further understanding of complex information processing in verbal adolescents and adults with ASD. *Autism* (Special issue on adults with ASD), 19, 859-867. DOI: 10.1177/1362361315586171
11. Bodner, K.E., Engelhardt, C.R., Minshew, N.J., & **Williams, D.L.**, (2015). Making inferences: Comprehension of physical causality, intentionality, and emotions in discourse by high-functioning older children, adolescents, and adults with autism. *Journal of Autism and Developmental Disorders*, 45, 2721-2733. DOI: 10.1007/s10803-015-2436-3
12. Bodner, K.E., **Williams, D.L.**, Engelhardt, C.R., & Minshew, N.J. (2014). A comparison of measures for assessing the level and nature of intelligence in verbal children and adults with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 8, 1434-1442.
13. **Williams, D.L.**, Mazefsky, C.A., Walker, J.D., Minshew, N.J., & Goldstein, G. (2014). Associations between conceptual reasoning, problem solving, and adaptive ability in high-functioning autism. *Journal of Autism and Developmental Disorders*, 44, 2908-2920.

14. Carter, E.J., **Williams, D.L.**, Hodgins, J.K., & Lehman, J.F. (2014). Are children with autism more responsive to animated characters? A study of interactions with humans and human-controlled avatars. *Journal of Autism and Developmental Disorders*, 44, 2475-2485.
15. Kana, R.K., Liu, Y., **Williams, D.L.**, Keller, T.A., Schipul, S.E., Minshew, N.J., & Just, M.A. (2013). The local, global, and neural aspects of visuospatial processing in autism spectrum disorders. *Neuropsychologia*, 51, 2995-3003.
16. **Williams, D.L.**, Cherkassky, V.L., Mason, R.A., Keller, T.A., Minshew, N.J., & Just, M.A. (2013). Brain function differences in language processing in children and adults with autism. *Autism Research*, 6, 288-302.
17. **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2013). The modality shift experiment in adults and children with high functioning autism. *Journal of Autism and Developmental Disorders*, 43, 794-806.
18. Carter, E.J., **Williams, D.L.**, Lehman, J., & Minshew, N.J. (2012). Is he being bad? Social and language brain networks during social judgment in children with autism. *PLOS One*, 7, 1-9.
19. Schipul, S.E., **Williams, D. L.**, Keller, T.A., Minshew, N.J., & Just, M.A. (2012). Distinctive neural processes during learning in autism. *Cerebral Cortex*, 22, 937-950.
20. **Williams, D.L.** (2012). Language processing in autism spectrum disorders: Insights from neuroscience. *Perspectives on Language Learning and Education*, 19, 98-107.
21. Mizuno, A., Liu, Y., **Williams, D.L.**, Keller, T.A., Minshew, N.J., & Just, M.A. (2011). The neural basis of deictic shifting in linguistic perspective taking in high-functioning autism. *Brain*, 134, 2422-2435.
22. Casanova, M.F., El-Baz, A., Elnakib, A., Switala, A.E., Williams, E.L., **Williams, D.L.**, Minshew, N.J., & Conturo, T.E. (2011). Quantitative analysis of the shape of the corpus callosum in patients with autism and comparison individuals. *Autism*, 15, 1-16.
23. Burke, M., Kraut, R., & **Williams, D.L.** (2010). Social use of computer-mediated communication by adults on the autism spectrum. *Proceedings of the Association for Computing Machinery Conference on Computer Supported Cooperative Work*, 425-434. [Selected as one of three "Best Papers" for this conference.]
24. Damarla, S.R., Keller, T.A., Kana, R.K., Cherkassky, V.L., **Williams, D.L.**, Minshew, N.J., & Just, M.A. (2010). Cortical underconnectivity coupled with preserved visuospatial cognition in autism: Evidence from an fMRI study of an embedded figures task. *Autism Research*, 3, 1-7.
25. **Williams, D.L.**, & Minshew, N.J. (2010). How the brain thinks in autism. *The ASHA Leader*, 15 (5), 8-11. [invited]
26. **Williams, D.L.**, Goldstein, G., Kojkowski, N., & Minshew, N.J. (2008). Do individuals with high functioning autism have the IQ profile associated with nonverbal learning disability? *Research in Autism Spectrum Disorders*, 2, 353-361.
27. Mason, R.A., **Williams, D.L.**, Kana, R.K., Minshew, N.J., & Just, M.A. (2008). Theory of mind disruption and recruitment of the right hemisphere during narrative comprehension in autism. *Neuropsychologia*, 46, 269-280.
28. Conturo, T.E., **Williams, D.L.**, Smith, C.D., Gultpe, E., Akbudak, E., & Minshew, N.J. (2008). Neural fiber pathway abnormalities in autism: An initial MRI diffusion tensor tracking study of hippocampo-fusiform and amygdalo-fusiform pathways. *Journal of the International Neuropsychological Society*, 14, 933-946.
29. Mazefsky, C.A., **Williams, D.L.**, & Minshew, N.J. (2008). Variability in adaptive behavior in autism: Evidence for the importance of family history. *Journal of Abnormal Child Psychology*, 36, 591-599.
30. Goldstein, G., Allen, D.N., Minshew, N., **Williams, D.**, Klin, A., Volkmar, F., & Schultz, R.T. (2008). The structure of intelligence in children and adults with high functioning autism. *Neuropsychology*, 22, 301-312.
31. **Williams, D.L.** (2008). What neuroscience has taught us about autism: Implications for early intervention. *Zero to Three*, 28, 11-17. [invited]
32. **Williams, D.L.**, & Minshew, N.J. (2007). Understanding autism and related disorders: What has imaging taught us? *Neuroimaging Clinics of North America*, 17, 495-509.
33. Minshew, N.J., & **Williams, D.L.** (2007). The new neurobiology of autism: Cortex, connectivity, and neuronal organization. *Archives of Neurology*, 64, 945-950.

34. **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2006). Neuropsychologic functioning in children with autism: Further evidence of disordered complex information processing. *Child Neuropsychology*, 12, 279-298.
35. **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2006). Profile of memory function in children with autism. *Neuropsychology*, 20, 21-29.
36. **Williams, D.L.**, Goldstein, G., Carpenter, P.A., & Minshew, N.J. (2005). Verbal and spatial working memory in autism. *Journal of Autism and Developmental Disorders*, 35, 747-756.
37. **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2005). Impaired memory for faces and social scenes in autism: Clinical implications of the memory disorder. *Archives of Clinical Neuropsychology*, 20, 1-15.
38. Benson, J., **Williams, D.L.**, & Stern, P. (2002). The Good Beginnings Clinic: An interdisciplinary collaboration. *Occupational Therapy in Healthcare*, 16(2/3), 21-37.
39. **Williams, D.L.**, & Ward-Lonergan, J. (2001). Effect of explicit audience on written communication of children with learning disabilities. *Educational Resources Information Center (ERIC) database*, ED 454 663, EC 308 467, 7 pgs. Presented at Annual Meeting of the Council for Exceptional Children.

### **BOOK**

**Williams, D.L.** (2010). *Developmental language disorders: Learning, language and the brain*. San Diego: Plural Publishing. [Released July, 2009]

### **BOOK CHAPTERS (invited)**

1. **Williams, D.L.** (2018). Working memory and autism. In T.P. Alloway (Ed.). *Working Memory and Clinical Developmental Disorders* (pp. 38-52). New York, NY: Taylor & Francis Group.
2. **Williams, D.L.** (2018). Executive function and complex processing models. In G.S. Goodman, J.L. Johnson, & P.C. Mundy (Eds.). *The Wiley Handbook of Autobiographical Memory, Autism Spectrum Disorder, and the Law*, (pp. 53-69). Hoboken, NJ: Wiley-Blackwell.
3. **Williams, D. L.**, & Marra, L. J. (2011). Language interventions. In M. Lubetsky, J.J. McGonigle, & B.L. Handen (Eds.). *Autism Spectrum Disorder* (pp. 173-191). New York, NY: Oxford University Press.
4. **Williams, D.L.** (2011). George: An adult with high-functioning autism: Language and communication challenges at work. In S. Chabon and E. Cohn (Eds.). *The Communication Disorders Casebook: Learning by Example* (pp. 382-392). Upper Saddle River, NJ: Pearson Education, Inc.
5. Griebeling, J., **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2011). Reconceptualization of autism and autism spectrum disorders as neurodevelopmental disorders. In G. Goldstein, T. M. Incagnoli, & A. E. Puente (Eds.). *Contemporary Neurobehavioral Syndromes* (pp. 33-70). New York, NY: Psychology Press.
6. **Williams, D.L.** (2010). The speaking brain. In D. Sousa (Ed.). *Mind, Brain, & Education: Neuroscience Implications for the Classroom* (pp. 84-112). Bloomington, IN: Solution Tree Press.
7. **Williams, D.L.**, Minshew, N.J., Goldstein, G. (2008). Memory within a complex information-processing model of autism. In J. Boucher & D.M. Bowler (Eds.). *Memory in Autism* (pp. 125-142). Cambridge, UK: Cambridge University Press.
8. Minshew, N.J., & **Williams, D.L.** (2008). Brain behavior connections in autism. In K.D. Buron & P. Wolfberg (Eds.). *Learners on the Autism Spectrum: Preparing Highly Qualified Educators* (pp. 44-65). Shawnee, KS: Autism Asperger Publishing Co.
9. Minshew, N.J., **Williams, D.L.**, & McFadden, K. (2008). Information processing, neural connectivity and neuronal organization. In A. Zimmerman (Ed.) *Autism: Current Theories and Evidence* (pp. 381-405). Totowa, NJ: Humana Press.
10. Minshew, N.J., Webb, S.J., **Williams, D.L.** & Dawson, G. (2006). Neuropsychology and neurophysiology of autism spectrum disorder. In S.O. Moldin & J.L.R. Rubenstein (Eds.). *Understanding Autism: From Basic Neuroscience to Treatment* (pp. 379-415). Boca Raton, FL: CRC Press. [peer-reviewed]

### **PUBLISHED ABSTRACTS (refereed)**

1. Wulff, R.A., You, E., Krug, M.K., **Williams, D.L.**, Bodner, K.E., & Solomon, M. (2020). Emotional theory of mind deficits in adolescents and young adults with ASD. International Society for Autism Research 2020 Virtual Abstract Book [author only].

2. **Williams, D.L.**, Siegel, M., & Mazefsky, C.A. (2019). Reported use of augmentative/alternative communication by pediatric psychiatric inpatients with autism spectrum disorders, International Society for Autism Research Annual Meeting [presenting author].
3. **Williams, D.L.**, Siegel, M., & Mazefsky, C.A. (2017). Problem behaviors in autism spectrum disorder: Is communication a specialized adapting/coping mechanism? International Meeting for Autism Research, 15. [presenting author]
4. **Williams, D.L.**, Smith, K.A., Mazefsky, C.A., Gabriels, R., Peura, C., & Siegel, M. (2015). The Autism Inpatient Collection (AIC): Problem behaviors and communication difficulties. International Meeting for Autism Research, 14. [presenting author]
5. Lerner, M.D., Mazefsky, C.A., Siegel, M., Gabriels, R., **Williams, D.L.**, Perri, J., Peura, C., & Gadow, K. (2015). Burden of psychiatric symptoms in ASD: Understanding the full range from inpatients to outpatients & across IQ. International Meeting for Autism Research, 14.
6. Mazefsky, C.A., Siegel, M., Yu, L., Gabriels, R., **Williams, D.L.**, Perri, J., Peura, C., & Pilkonis, P. (2015). Development of a new measure to identify fundamental emotion regulation processes across the ASD spectrum: Application to the Autism Inpatient Collection (AIC). International Meeting for Autism Research, 14.
7. **Williams, D.L.**, Wendelken, M.E., Gastgeb, H., & Minshew, N.J. (2014). The relationship of social cognition, language, and executive function to theory of mind in children and adults with ASD. International Meeting for Autism Research, 13 [presenting author]
8. Bodner, K.E., Minshew, N.J., **Williams, D.L.** (2013). Refining the Pittsburgh Inference Test (PIT): A new measure of discourse processing in individuals with high-functioning autism. International Meeting for Autism Research, 12. [presenting author]
9. Conturo, T.E., **Williams, D.L.**, Chua, K.-W., Green, S.C. Mahalchak, J.R. , McMichael, A.R., Smith, C.D., Strauss, M.S., & Minshew, N.J., (2013). Diffusion tensor tracking (DTT) of face processing pathways with comparison to sensitive behavioral measures: Understanding microstructure and detecting subgroups in autism. International Meeting for Autism Research, 12. [presenting author]
10. **Williams, D.L.**, Carter, E.J., Lehman, J., & Minshew, N.J. (2012). Making tough decisions: The neural correlates of categorization in children with and without autism. International Meeting for Autism Research, 11, 20 [Online: <http://imfar.confex.com/imfar/2012/webprogram/start.html>]. [presenting author]
11. Carter, E.J., **Williams, D.L.**, Lehman, J., & Minshew, N.J. (2012). Using visual strategies to remember verbal information: an fMRI study of working memory in children with and without autism. International Meeting for Autism Research, 11, 55 [Online: <http://imfar.confex.com/imfar/2012/webprogram/start.html>].
12. Carter, E., **Williams, D.**, Mahler, M., & Hodgins, J. (2012). Animated character appearance affects viewing patterns and subjective ratings of personality characteristics. *Journal of Vision*, 12(9), 403.
13. Mizuno, A., **Williams, D.L.**, Keller, T. A., & Just, M. A. (2012). Neural representations of personality traits in autism: An investigation of individual differences. International Meeting for Autism Research, 11, 22 [Online: <http://imfar.confex.com/imfar/2012/webprogram/start.html>].
14. **Williams, D.L.**, Carter, E.J., Lehman, J., & Minshew, N.J. (2011). Brain activation during inferential and theory of mind processing in children with autism. International Meeting for Autism Research, 10, 412 [Online: <http://imfar.confex.com/imfar/2011/webprogram/Paper8467.html>]. [presenting author]
15. Carter, E.J., **Williams, D.L.**, Lehman, J., & Minshew, N.J. (2011). Is he being bad? Brain activation during social judgment in children with autism. International Meeting for Autism Research, 10, 421 [Online: <http://imfar.confex.com/imfar/2011/webprogram/Paper8470.html>].
16. Conturo, T. E., **Williams, D.L.**, Smith, C. D., McMichael, A. R., Chua, K. W., Green, S. C., Strauss, M. S., & Minshew, N. J. (2011). Network model of face processing in autism based on diffusion tensor tracking (DTT) and behavioral data. International Meeting for Autism Research, 10, 423 [Online: <http://imfar.confex.com/imfar/2011/webprogram/Paper9386.html>].
17. Goldstein, G., **Williams, D.L.**, & Minshew, N.J. (2011). A comparison of basic attentional shifting between adults and children with high functioning autism. International Meeting for Autism Research Abstracts, 10, 614-615 [Online: <http://imfar.confex.com/imfar/2011/webprogram/Paper8173.html>].
18. Goldstein, G., **Williams, D.L.**, Mazefsky, C.A., & Minshew, N.J. (2011). Relationship between age and associations between cognitive and adaptive abilities in high-functioning autism. *Applied Neuropsychology*, 18, 223.

19. Schipul, S.E., **Williams, D.L.**, & Just, M.A. (2011). Brain activation changes in response to learning in a spatial working memory task in autism. *International Meeting for Autism Research*, 10, 379 [Online: <http://imfar.confex.com/imfar/2011/webprogram/Paper8290.html>].
20. **Williams, D.L.**, Carter, E.J., Minshew, N.J., & Pelphrey, K.A. (2010). Brain mechanisms for perceiving emotional information in body movement in children with autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper7226.html>]. [presenting author]
21. Belardi, K.M., & **Williams, D.L.** (2010). Indicators of linguistic processing constraints in the narratives of individuals with high functioning autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper6658.html>].
22. Carter, E.J., **Williams, D.L.**, Minshew, N.J., & Pelphrey, K.A. (2010). Neural correlates of the interaction of gaze direction and facial expression in individuals with autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper7274.html>].
23. Casanova, M.F., El-Baz, A.S., Switala, A.E., Williams, E.L., **Williams, D.L.**, Minshew, N.J., & Conturo, T.E. (2010). Quantitative analysis of the shape of the corpus callosum in autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper7045.html>].
24. Conturo, T.E., **Williams, D.L.**, Williams, E.L., Smith, C.D., Gultepe, E., Akbudak, E., Strauss, M.D., & Minshew, N.J. (2010). Microstructural Changes in Face Processing Pathways in Autism: Diffusion Tensor Tracking (DTT) with Behavioral Comparison. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper7243.html>].
25. Glosser, R.X., **Williams, D.L.**, Mazefsky, C.A., Minshew, N.J., & Goldstein, G. (2010). Intact and impaired conceptual reasoning abilities in high functioning autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper5550.html>].
26. Griebeling, J.M., Mazefsky, C.A., **Williams, D.L.**, & Minshew, N.J. (2010). Memory for detail in high-functioning children and adults with autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper6786.html>].
27. Mizuno, A., Liu, Y., **Williams, D.L.**, Keller, T.A., Minshew, N.J., & Just, M.A. (2010). The Neural Basis of Pronoun Selection in autism. *International Meeting for Autism Research Abstracts*, 9 [Online: <http://imfar.confex.com/imfar/2010/webprogram/Paper7374.html>].
28. **Williams, D.L.**, Mason, R.A., & Just, M.A. (2009). Discourse processing in autism: Effects of linguistic connectives. *International Meeting for Autism Research Abstracts*, 8 [Online: <http://imfar.confex.com/imfar/2009/webprogram/Paper4680.html>]. [presenting author]
29. Belardi, K.M., & **Williams, D.L.** (2009). Disruptions in spontaneous language in HFA: Indicators of linguistic processing challenges. *International Meeting for Autism Research Abstracts*, 8 [Online: <http://imfar.confex.com/imfar/2009/webprogram/Paper4998.html>].
30. Schipul, S.E., **Williams, D.L.**, Keller, T.A., Minshew, N.J., & Just, M.A. (2009). Trustworthiness judgments in autism: An fMRI study. *International Meeting for Autism Research Abstracts*, 8 [Online: <http://imfar.confex.com/imfar/2009/webprogram/Paper4824.html>].
31. Bodner, K.E., Minshew, N.J., & **Williams, D.L.** (2009). The Pittsburgh Inference Test (PIT): A Pilot study evaluating a measure of discourse processing in individuals with HFA. *International Meeting for Autism Research Abstracts*, 8 [Online: <http://imfar.confex.com/imfar/2009/webprogram/Paper4885.html>].
32. Minshew, N.J., Bodner, K.E., & **Williams, D.L.** (2009). Facial recognition, configural processing, and concept formation in HFA. *International Meeting for Autism Research Abstracts*, 8 [Online: <http://imfar.confex.com/imfar/2009/webprogram/Paper4671.html>].
33. **Williams, D.L.**, Cherkassky, V.L., Kana, R.J., Minshew, N.J., & Just, M.A. (2008). fMRI of children and adults with autism during an irony comprehension task: Developmental implications. *International Meeting for Autism Research Abstracts*, 7, 63. [presenting author]
34. Bodner, K., **Williams, D.L.**, & Minshew, N.J. (2008). Examination of intelligence measures in children and adults diagnosed with high functioning autism. *International Meeting for Autism Research Abstracts*, 7, 46-47.
35. Goldstein, G., **Williams, D.L.**, & Minshew, N.J. (2008). Associations between conceptual reasoning and adaptive ability in high-functioning autism. *International Meeting for Autism Research Abstracts*, 7, 275.
36. Kana, R.K., & **Williams, D.L.** (2008). Mind reading, mirror neurons, and cortical midline structures in autism. *International Meeting for Autism Research Abstracts*, 7, 383-384.

37. Minshew, N.J., **Williams, D.L.**, & Gastgeb, H.Z. (2008). Inferior performance on embedded figures tasks by high functioning children and adults with autism consistent with reduced local connectivity and slower search strategy. *International Meeting for Autism Research Abstracts*, 7, 419-420.
38. Mizuno, A., **Williams, D.L.**, Keller, T.A., & Just, M.A. (2008). Perspective taking in adults with high-functioning autism: unimpaired performance in visuo-spatial tasks yet delayed response to pronominal expressions and pronoun reversal. *International Meeting for Autism Research Abstracts*, 7, 408-409.
39. Damarla, S.R., Keller, T.A., Kana, R.K., **Williams, D.L.**, Prat, C., Minshew, N.J., & Just, M.A. (2008). Neural correlates of greater dual tasking costs in autism: An fMRI study of two unrelated tasks. *International Meeting for Autism Research Abstracts*, 7, 330.
40. Schipul, S.E., **Williams, D.L.**, Keller, T.A., Kana, R.K., Minshew, N.J., & Just, M.A. (2008). Learning to detect lies in autism. *International Meeting for Autism Research Abstracts*, 7, 324.
41. **Williams, D.L.**, Mason, R.A., Kana, R.J., Minshew, N.J., & Just, M.A. (2007). Discourse processing in autism: Disruption of the theory of mind network. *International Meeting for Autism Research Abstracts*, 6, 114. [presenting author]
42. Kana, R.K., **Williams, D.L.**, Keller, T.A., Minshew, N.J., & Just, M.A. (2007). Visuospatial processing in autism: the local, the global, and the neural. *International Meeting for Autism Research Abstracts*, 6, 58.
43. Mazefsky, C.A., **Williams, D.L.**, & Minshew, N.J. (2007). Adaptive functioning and family history in high-functioning autism. *International Meeting for Autism Research Abstracts*, 6, 184.
44. **Williams, D.L.**, Kana, R.J., Keller, T.A., Minshew, N.J., & Just, M.A. (2006). Reduced medial frontal activation in autism: A functional MRI study of irony. *International Meeting for Autism Research Abstracts*, 5, 48. [presenting author]
45. Kana, R.K., **Williams, D.L.**, Mason, R.A., Keller, T.A., Minshew, N.J., & Just, M.A. (2006). Hemispheric differences in resolving lexical ambiguity in high functioning autism. *International Meeting for Autism Research Abstracts*, 5, 189-190.
46. Goldstein, G., Allen, D.N., Minshew, N., **Williams, D.**, Klin, A., Volkmar, F., & Schultz, R.T. (2006). Confirmatory factor analysis of the Wechsler Scales in high functioning autism. *International Meeting for Autism Research Abstracts*, 5, 111.
47. Goldstein, G., **Williams, D.L.**, Minshew, N.J. (2005). Shifting of attention in high-functioning autism. *International Meeting for Autism Research Abstracts*, 4, 95. [presenting author]
48. **Williams, D.L.**, Koshino, H., Kana, R.K., Minshew, N.J., & Just, M.A. (2005). A functional MRI study of mental rotation in autism. *International Meeting for Autism Research Abstracts*, 4, 123. [presenting author]
49. Kana, R.K., Keller, T.A., **Williams, D.L.**, Minshew, N.J., & Just, M.A. (2005). Attribution of mental states in high functioning autism: evidence for cortical underconnectivity. *International Meeting for Autism Research Abstracts*, 4, 117.
50. Minshew, N.J., Goldstein, G., & **Williams, D.L.** (2005). Neuropsychologic functioning in children with autism. *International Meeting for Autism Research Abstracts*, 4, 153-154.
51. **Williams, D.L.**, & Minshew, N.J. (2004). Variable presentation of complex language skills in high-functioning children and adolescents with autism. *International Meeting for Autism Research Abstracts*, 3, 59-60. [presenting author]
52. Goldstein, G., **Williams, D.L.**, & Minshew, N.J. (2004). A profile of memory function in children with autism. *International Meeting for Autism Research Abstracts*, 3, 70-71. [presenting author]
53. Minshew, N.J., **Williams, D.L.**, & Goldstein, G. (2004). A further characterization of complex cognitive abilities in high functioning autism. *International Meeting for Autism Research Abstracts*, 3, 71.
54. Tager-Flusberg, H., McGrath, L., Cook, E.H., Dawson, G., Dunn, M., Hyman, S., Lord, C., Rodier, P., McMahon, W., Minshew, N., Sigman, M., Spence, A., **Williams, D.**, & Volkmar, F.R. (2004). A CPEA study of language history and language outcomes in autism spectrum disorders. *International Meeting for Autism Research Abstracts*, 3, 58.
55. **Williams D.L.**, Minshew N.J., & Goldstein G. (2002). Impaired memory for faces and social scenes in autism: Clinical implications of memory dysfunction. *International Meeting for Autism Research Abstracts*, 2, 66. [presenting author]



## **INVITED COMMENTARY**

**Williams, D. L.** (2011). Making connections between the brain and behavior: Invited Commentary on “Disrupted cortical connectivity theory as an explanatory model for autism spectrum disorders” by R. K. Kana, L. E. Libero, and M. S. Moore. *Physics of Life Reviews*, 8, 438-439.

## **GRANTS AWARDED**

<b><u>GRANT # &amp; YEARS</u></b>	<b><u>GRANT TITLE</u></b>	<b><u>ROLE IN PROJECT</u></b>	<b><u>SOURCE</u></b>
H325D170024 2017-2022	The Penn State AAC Doctoral Leadership Project	Faculty	U.S. Department of Education
1R21MH105822-01A1 2015-2017	Brain Microstructure & Behavior in Newly-Diagnosed Toddlers/Preschoolers with ASD (PI: Conturo)	Collaborator	National Institute of Mental Health
1P50HD055748 2007-2012	Biological and Information Processing Mechanisms Underlying Autism	Co-Director Subject Core/Co-Principal Investigator	National Institute of Child Health and Human Development
5P50HD055748 (Project II) 2009–2012	Disturbances of Affective Contact: Development of Brain Mechanisms for Emotion	Co-Principal Investigator	National Institute of Child Health and Human Development [American Recovery Act Administrative Supplement]
1R211MH090494 2010-2012	Developmental Characteristics of MRI Diffusion Tensor Pathways Changes in Autism	Consortium Principal Investigator	National Institute of Child Health and Human Development
1 K23 DC006691 2004-2010	Neurocognitive Basis of Language Processing in Autism	Principal Investigator	National Institute on Deafness and Other Communication Disorders
2005-2008	Diffusion Tension Tracking of Connectivity Abnormalities in Autism	Co-Principal Investigator	Nancy Lurie Marks Foundation

## **TRAINING AWARDS**

1. U.S. Department of Education, Institute of Education Sciences Summer Research Training Institute: Single-Case Intervention Design and Analysis, University of Wisconsin-Madison, Madison, WI, June 27-July 1, 2011.
2. Council of Academic Programs in Communication Sciences and Disorders Leadership Conference, April 2016.

## **PRESENTATIONS/POSTERS**

### **International (refereed)**

1. Wilkinson, K.M., O'Neill, T. Blackstone, S., Roman-Lantzy, C., **Williams, D.**, Clarke, K., Sowers, D., & Light, J. (2020; conference postponed to 2022 due to COVID). Tailoring design of AAC for individuals with CVI, ASD, Down syndrome, or complex motor needs (research discussion panel). Bi-ennial conference of the International Society for Augmentative and Alternative Communication, Cancun, Mexico.
2. Coburn, K. & **Williams, D.L.** (2020). Neurodevelopmental differences in autism spectrum disorder applied to language learning. Many Paths to Language (MPAL) Conference, Max Planck Institute, Nijmegen, The Netherlands [ONLINE].
3. Mason, R.A., **Williams, D.L.**, & Just, M.A. (2012). The contrast of expository and narrative comprehension in neurotypicals and individuals with autism (poster). Society for Text & Discourse, Montréal, Canada.

### **International (invited)**

1. **Williams, D.L.** (2016). Linguistic processing in autism spectrum disorders: Insights from functional imaging (presentation). Congrès international de l'École d'orthophonie et d'audiologie, Université de Montréal.

2. **Williams, D.L.** (2015). Language development in autism spectrum disorders: Considerations in preschool and school-aged populations (short course). Alberta College of Speech-Language Pathologists and Audiologists Conference, Edmonton, Alberta, Canada.

#### **National (invited)**

1. **Williams, D.L.** (2019). Auditory comprehension, verbal encoding, and cognitive flexibility: Insights from neuroscience for language intervention in autism spectrum disorders. Utah State University Summer Seminar, Utah State University Department of Communicative Disorders and Deaf Education, Logan, UT [in person and online].
2. **Williams, D.L.** (2014). Language intervention in autism: The implications of neurobiological research (2-hour webinar). American Speech-Language-Hearing Association. [Available for viewing from December 2014 to present].
3. **Williams, D.L.**, Weil, L.W., & Lewis, M. (2014). Autism Centers of Excellence: What they are & what we have learned relevant for SLPs (presentation). American Speech-Language-Hearing Association, Orlando, FL.
4. **Williams, D.L.** (2013). A comparison of cognitive and linguistic processing in children and adults with autism: What's changeable? (presentation) American Speech-Language-Hearing Association, Chicago, IL. Invited by the Specialty Board for Child Language.
5. **Williams, D.L.** (2012). The neurobiological basis of autism: Relevant findings in language development (2-hour webinar). American Speech-Language-Hearing Association. [Available for viewing February 2012 to present]
6. Minshew, N.J., & **Williams, D.L.** (2009). How the brain thinks in autism: Implications for language intervention (short course). American Speech-Language-Hearing Association, New Orleans, LA.
7. **Williams, D.L.** (2009). Developing language in children with autism: Insights from neuroscience and practical applications of science to intervention (presentation). ICDL 13<sup>th</sup> Annual International Conference, Bethesda, MD.
8. **Williams, D.L.** (2008). Learning, the brain, and developmental language disorders (presentation). Learning & the Brain Conference, Cambridge, MA.
9. **Williams, D.L.** (2007). Beyond social: How individuals with autism process language: Insights from Neuropsychological and Neuroimaging Research (presentation). Learning & the Brain Conference, Cambridge, MA.
10. **Williams, D.L.** (2006). Neurocognitive basis of language processing in autism (presentation). Eden Institute Foundation Princeton Lecture Series on Autism, Princeton, NJ.
11. **Williams, D.L.**, Kana, R.J., Keller, T.A., Minshew, N.J., & Just, M.A. (2005). Functional MRI study of irony comprehension in autism (poster). Collaborative Programs of Excellence in Autism Annual Scientific Meeting, Bethesda, MD.
12. Kana, R.K., **Williams, D.L.**, Mason, R.A., Keller, T.A., Minshew, N.J., & Just, M.A. (2005). Neural basis of lexical ambiguity in high functioning autism: a functional MRI study (poster). Collaborative Programs of Excellence in Autism Annual Scientific Meeting, Bethesda, MD.
13. **Williams, D.L.**, Goldstein, G., & Minshew, N.J. (2004). Face recognition and social communication in autism (poster). Collaborative Programs of Excellence in Autism Annual Scientific Meeting, Bethesda, MD.

#### **Regional (Invited)**

1. **Williams, D.L.** (2020). Speech-language pathology & ASD: How language research can inform clinical practice. ASD@PSU Monthly Seminar Series [via Zoom].
2. **Williams, D.L.** (2018). ASD: Theory of mind in adolescents. Ohio Speech-Language-Hearing Association Convention, Columbus, OH.
3. **Williams, D.L.** (2017). Why do people with autism see the world differently? What we've learned from neuroimaging (presentation). College of Health and Human Services, Bowling Green State University, Bowling Green, OH.
4. **Williams, D.L.** (2016). Insights from neuroscience: Developing language in preschool and school-aged children with autism spectrum disorders (6-hour course). West Virginia Speech-Language-Hearing Association, Bridgeville, WV.
5. **Williams, D.L.** (2016). Beyond conversational turn-taking: Developing discourse in autism spectrum disorders (short course). Pennsylvania Speech-Language-Hearing Association Convention, Pittsburgh, PA.

6. **Williams, D.L.** (2016). Putting thoughts into words: Verbal encoding in autism spectrum disorders (presentation). Pennsylvania Speech-Language-Hearing Association Convention, Pittsburgh, PA.
7. **Williams, D.L.** (2016). Functional imaging: A window on auditory and linguistic processing in autism spectrum disorders (keynote address). Annual Leadership Conference, University of Massachusetts Amherst.
8. **Williams, D.L.** (2016). Learning and language in autism spectrum disorders: Insights from neuroscience (presentation). Annual Leadership Conference, University of Massachusetts Amherst.
9. **Williams, D.L.** (2014). Insights from comparisons of children & adults with ASD: What's changeable? (presentation). Ohio Speech-Language-Hearing Association Convention, Columbus, OH.
10. **Williams, D.L.** (2014). Language learning in ASD: Effect of abnormal automatic cognitive processes (short course). Ohio Speech-Language-Hearing Association Convention, Columbus, OH.
11. **Williams, D.L.** (2014). Neurobiological basis of autism: Implications for learning and using language (5-hour course). Speech-Language Pathology Alumni Conference, Edinboro University, Edinboro, PA.
12. **Williams, D.L.** (2013). Language processing in autism: Insights from functional imaging (presentation). University of Kansas, Lawrence, KS.
13. **Williams, D.L.** (2012). Using insights from neuroscience to design language intervention for children with autism (short course). Crossroads Conference, Purdue University, West Lafayette, IN.
14. **Williams, D.L.** (2012). Developing language in children with autism: Insights from neuroscience (short course). Pennsylvania Speech-Language-Hearing Association Convention, Lancaster, PA.
15. **Williams, D.L.** (2012). Helping children with autism learn language: Insights from neuroscience (short course). Ohio Speech-Language-Hearing Association Convention, Columbus, OH.
16. **Williams, D.L.** (2012). Neurological basis of autism: Implications for speech-language pathologists (presentation). Ohio Speech-Language-Hearing Association Convention, Columbus, OH.
17. **Williams, D.L.** (2011). The brain basis of autism: Effects on learning and language development (6-hour course). Delaware Speech-Language-Hearing Association Spring Conference, Dover, DE.
18. **Williams, D. L.** (2010). Learning and using language with autism: Insights from neuroscience (short course). National Student Speech-Language Hearing Association Conference, Bowling Green State University.
19. **Williams, D.L.** (2010). The brain basis of autism: Implications for learning and language development (5-hour course). Towson University Speech-Language Pathology and Audiology Annual Conference, Towson, MD.
20. **Williams, D.L.** (2010). Challenges to learning: Gifted children on the autism spectrum (presentation). Pennsylvania Association for Gifted Educators Conference, Cranberry Township, PA.
21. **Williams, D.L.** (2009). Understanding autism: What imaging has taught us about language processing (presentation). Honors College, University of Pittsburgh, Pittsburgh, PA.
22. **Williams, D.L.** (2009). Language intervention in autism: Applying insights from neuroscience (short course). Indiana Speech-Language-Hearing Association, Indianapolis, IN.
23. **Williams, D.L.** (2008). New neurobiology of autism (presentation). Autism 2008 Conference, Maimonides Medical Center, Brooklyn, NY.
24. **Williams, D.L.** (2007). Language in autism: Neurocognitive and neuroimaging research (6-hour short course). University of the Pacific, Department of Communication Disorders, Stockton, CA.
25. **Williams, D.L.** (2007). Cognitive and linguistic processing in autism, Parts I and II (short course). Indiana Speech-Language-Hearing Association Convention, Indianapolis, IN.
26. **Williams, D.L.** (2000). Looking at gestures in the assessment process (presentation). Ohio Speech and Hearing Association Convention, Toledo, OH.
27. **Williams, D.L.** (2005). Seeing the world differently: Cognitive and linguistic processing in autism (short course). New York State Speech-Language-Hearing Association.
28. Minshew, N.J., & **Williams, D.L.** (2005). Remarkable advances in understanding the cognitive, brain and genetic basis of autism (short course). Pennsylvania Speech-Language-Hearing Association.
29. **Williams, D.L.** (2004). Neurocognitive basis of autism: Implications for working in the real world (presentation). Pennsylvania Community Providers Association, Seven Springs, PA.
30. **Williams, D.L.**, Plaford, L., & Julovich, B. (1992). Using high and low tech to integrate an AAC user into regular education (presentation). Southeast Augmentative Communication Conference, Birmingham, AL.
31. **Williams, D.L.** (1992). Light-tech augmentative/alternative communication materials (presentation). Indiana Speech and Hearing Association Convention, Merrillville, IN.

32. **Williams, D.L.** (1991). AAC assessment (presentation). Tech Talk Today Conference sponsored by ATTAIN Network and IAACC, Indianapolis, IN.

#### **National (refereed)**

1. Basciano, A., & **Williams, D.L.** (2020). Identification of emotion in music by individuals with and without autism spectrum disorders (poster). Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).
2. Clarke, K., & **Williams, D.L.** (2020). Comparing synchronous versus staggered input presentation for novel word/symbol learning in individuals with ASD (poster). Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).
3. Coburn, K., & **Williams, D.L.** (2020). Neurodevelopmental differences in autism spectrum disorders applied to language learning (poster). Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).
4. Supinski, J. & **Williams, D.L.** (2020). What functional near-infrared spectroscopy (fNIRS) reveals about neural processing and language in ASD (presentation). Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).
5. Wendelken, M., & **Williams, D.L.** (2020). Beyond requesting: A systematic review of AAC intervention for children with autism spectrum disorders (poster). Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).
6. Wendelken, M., & **Williams, D.L.** (2020). Identifying trends in AAC interventions with individuals with ASD: A qualitative study (poster). Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).
7. Clarke, K. & **Williams, D.L.** (2020). Attempting to improve word learning with staggered multimodal presentation in minimally verbal children with autism (poster). Meeting on Language in Autism (MoLA), Durham, NC. [Conference canceled due to COVID-19].
8. Coburn, K., & **Williams, D.L.** (2020). Verbal encoding and visuospatial recall in individuals with autism spectrum disorders (poster). Meeting on Language in Autism (MoLA), Durham, NC. [Conference canceled due to COVID-19].
9. Anderson, L. & **Williams, D.L.** (2019). The relationship between verbal fluency & personality difference in individuals with autism spectrum disorder (poster). American Speech-Language-Hearing Association, Orlando, FL.
10. Basciano, A. & **Williams, D.L.** (2019). Identification of emotion in music by individuals with autism spectrum disorder (poster). American Speech-Language-Hearing Association, Orlando, FL.
11. Clarke, K. & **Williams, D.L.** (2019). Language regression in autism spectrum disorder and the role of language theories in explanation (presentation). American Speech-Language-Hearing Association, Orlando, FL.
12. Clarke, K. & **Williams, D.L.** (2019). What is multisensory processing & what are the clinical implications in autism spectrum disorder? (poster). American Speech-Language-Hearing Association, Orlando, FL.
13. Coburn, K. & **Williams, D.L.** (2019). Verbal encoding and visuospatial recall in individuals with autism spectrum disorder (poster). American Speech-Language-Hearing Association, Orlando, FL.
14. Cowan, T. & **Williams, D.L.** (2019). Integrating the neurobiological & behavioral evidence on attention development: Implications for language intervention (presentation). American Speech-Language-Hearing Association, Orlando, FL.
15. Gormley, J. & **Williams, D.L.** (2019). Creating hospital environments to support the language development of young children with complex medical needs (poster). American Speech-Language-Hearing Association, Orlando, FL.
16. **Williams, D.L.**, & Ward-Lonergan, J. (2018). Helping adolescents with ASD make inferences about what others think in conversation, reading, & writing (presentation). American Speech-Language-Hearing Association, Boston, MA.
17. Clarke, K. & **Williams, D.L.** (2018). Investigating daily practices of AAC modeling by SLPs who work with individuals with ASD (poster). American Speech-Language-Hearing Association, Boston, MA.
18. Freed, J., & **Williams, D.L.** (2018). Identification of environmental sounds: Living versus nonliving sources (poster). American Speech-Language-Hearing Association, Boston, MA.
19. Henken, B., & **Williams, D.L.** (2018). Integration of top-down and bottom-up information: An investigation of scene & context processing (poster). American Speech-Language-Hearing Association, Boston, MA.

20. Williams, D.L., and Ham, H.S. (2017) Autobiographical memory in autism: Implications when interacting with law enforcement and the legal system (presentation). American Speech-Language-Hearing Association, Los Angeles, CA.
21. **Williams, D.L.** (2016). Putting thoughts into words: Verbal encoding in autism spectrum disorders. American Speech-Language-Hearing Association, Philadelphia, PA.
22. **Williams, D.L.** (2015). Educating medical professionals on how to communicate with people with autism spectrum disorders (presentation). American Speech-Language-Hearing Association, Denver, CO.
23. **Williams, D.L.** & Marra, L. (2014). Developing narrative & expository discourse skills in adolescents with autism spectrum disorders (ASD) (presentation). American Speech-Language-Hearing Association, Orlando, FL.
24. Hall, A., **Williams, D.L.**, Wallace, S.E., & Marra, L. (2014). Semantically based therapeutic approach through aided-language stimulation with a child with autism spectrum disorder (poster). American Speech-Language-Hearing Association, Orlando, FL.
25. Wendelken, M., **Williams, D.L.**, Gastgeb, H., & Marra, L. (2013). Relationship of social cognition, language, & executive functions with theory of mind in high functioning autism (poster). American Speech-Language-Hearing Association, Chicago, IL.
26. Horvath, B., **Williams, D.L.**, & Marra, L. (2013). Treatment efficacy of combined dialogic reading & scripting for children with communication impairments (poster). American Speech-Language-Hearing Association, Chicago, IL.
27. **Williams, D.L.** (2012). Abnormal functioning of automatic processes that guide early learning (presentation). American Speech-Language-Hearing Association, Atlanta, GA.
28. **Williams, D.L.**, Carter, E.J., & Lehman, J. (2012). Visual strategies to remember verbal information: fMRI study of autism (poster). American Speech-Language-Hearing Association, Atlanta, GA.
29. Lynch, J., Rusiewicz, H.L., Staltari, C., & **Williams, D.L.** (2012). Effectiveness of manual gestures in the treatment of /r/ distortions (presentation). American Speech-Language-Hearing Association, Atlanta, GA.
30. **Williams, D.L.**, Carter, E.J., Lehman, J., & Minshew, N.J. (2011). Neuroimaging of inferential and theory-of-mind processing in children with autism (poster). American Speech-Language-Hearing Association, San Diego, CA.
31. Carter, E.J., **Williams, D.L.**, Lehman, J., & Minshew, N.J. (2011). Functional neuroimaging during social judgment in children with autism (poster). American Speech-Language-Hearing Association, San Diego, CA.
32. Goldstein, G., Williams, D., Mazefsky, C. A., & Minshew, N. J. (2011). Relationship between age and associations between cognitive and adaptive abilities in high functioning autism (poster). The American College of Professional Neuropsychology, Las Vegas, NV.
33. Belardi, K.M., & **Williams, D.L.** (2010). Indicators of linguistic processing constraints in narratives of individuals with autism (presentation). American Speech-Language-Hearing Association, Philadelphia, PA.
34. **Williams, D.L.** (2010). Update on the neurobiological basis of autism for SLPs (presentation). American Speech-Language-Hearing Association, Philadelphia, PA.
35. **Williams, D.L.** (2008). Neuroimaging in autism: What we've learned about language processing (presentation). American Speech-Language-Hearing Association, Chicago, IL.
36. **Williams, D.L.**, Cherkassky, V., Kana, R.J., Minshew, N.J., & Just, M.A. (2008). A comparison of neurofunction of adults and children with autism during irony comprehension (poster). American Speech-Language-Hearing Association, Chicago, IL.
37. **Williams, D.L.**, Kana, R.J., Cherkassky, V., Keller, T.A., Minshew, N.J., & Just, M.A. (2007). Functional MRI study: Metaphor and irony processing in high-functioning autism (poster). American Speech-Language-Hearing Association, Boston, MA.
38. **Williams, D.L.**, Kana, R.J., Mason, R., Minshew, N.J., & Just, M.A. (2007). A functional MRI study of lexical ambiguity in high-functioning autism (poster). American Speech-Language-Hearing Association, Boston, MA.
39. **Williams, D.L.** (2006). The potential of fMRI: Bridge to new treatment possibilities? (presentation). American Speech-Language-Hearing Association, Miami, FL.
40. **Williams, D.L.**, Kana, R.J., Keller, T.A., Minshew, N.J., & Just, M.A. (2006). Functional neuroimaging of irony comprehension in children with autism: Role of the medial frontal gyrus (poster). Child Neurology Society, Pittsburgh, PA.

41. **Williams, D.L.** (2005). Language profile of high-functioning adults with autism (poster). American Speech-Language-Hearing Association, San Diego, CA.
42. **Williams, D.L., & Minshew, N.J.** (2004). Autism as a complex information processing disorder: A neurocognitive model (presentation). American Speech-Language-Hearing Association, Philadelphia, PA.
43. **Williams, D.L., & Minshew, N.J.** (2002). Comprehension of individuals with autism for complex linguistic concepts (poster). American Speech-Language-Hearing Association, Atlanta, GA.
44. **Kirchner, T., & Williams, D.L.** (2002). Influence of peers on the communication of children with autism (poster). American Speech-Language-Hearing Association, Atlanta, GA.
45. **Williams, D.L., & Ward-Lonergan, J.** (1999). Gesticulation of children with language impairments and typical language development (poster). American Speech-Language-Hearing Association Convention, San Francisco, CA.
46. **Williams, D.L., & Ward-Lonergan, J.** (1998). Teaching written language in a referential communication format (poster). American Speech-Language-Hearing Association Convention, San Antonio, TX.
47. **Williams, D.L., & Petrosino, L.** (1997). Comparison of three formal language measures for preschool children (poster). American Speech-Language-Hearing Association Convention, Boston, MA.
48. **Williams, D.L., & Petrosino, L.** (1997). Acoustic characteristics of vowels as a function of body height (poster). Presented at the American Speech-Language-Hearing Association Convention, Boston, MA and the Ohio Speech and Hearing Association Convention, Columbus, OH.
49. **Vicker, B.A., & Williams, D.L.** (1990). AAC: Getting the word out in Indiana (poster). American Speech-Language-Hearing Association, Seattle, WA.

#### **Regional (refereed)**

1. **Coburn, K., & Williams, D.L.** (2020). Neural structure and function in autism: Implications for learning language (technical session). Pennsylvania Speech-Language-Hearing Association, Pittsburgh, PA. [Conference cancelled due to COVID-19].
2. **Williams, D.L.** (2014). Information processing challenges of autism spectrum disorders: Implications for healthcare (presentation). Rita M. McGinley Symposium, Duquesne University School of Nursing, Pittsburgh, PA.
3. **Williams, D.L.** (2008). Brain basis of language in autism (presentation). Pennsylvania Speech-Language-Hearing Association, Pittsburgh, PA.
4. **Williams, D.L.** (2001). Language development through play: A school-age child with Fragile X (presentation). Pennsylvania Speech-Language-Hearing Association, Philadelphia, PA.
5. **Reilly, J.A., & Williams, D.L.** (2001). The contribution of gesticulation to the communication of children (poster). Pennsylvania Speech-Language-Hearing Association, Philadelphia, PA.
6. **Williams, D.L., & Petrosino, L.** (1998). Do formal language measures provide comparable results? (poster). Ohio Speech and Hearing Association Convention, Akron, OH.
7. **Williams, D.L., & Ward-Lonergan, J.** (1998, 1999). Use of a referential communication task for facilitating written language (poster). Presented at the Ohio Speech and Hearing Association Convention, Akron, OH and the Pennsylvania Speech-Language-Hearing Association Convention, Pittsburgh, PA.

#### **HONORS AND AWARDS FOR SCHOLARLY WORK**

<b><u>YEAR</u></b>	<b><u>TITLE OF AWARD</u></b>
1998	Charles E. Shanklin Award for Research Excellence, Second Place, Bowling Green State University
2006	Eden Institute Foundation Princeton Lecture Series Fellowship
2009	Rangos School of Health Sciences, Excellence in Scholarship
2011	Outstanding Contribution to <i>The ASHA Leader</i> Award (Speech-Language Pathology) American Speech-Language-Hearing Association.
2012	The Honor Society of Phi Kappa Phi (invited membership)
2013	Anna Rangos Rizakus Endowed Chair for Health Sciences and Ethics

### III. TEACHING

#### GRADUATE COURSES TAUGHT

<u>YEAR TAUGHT</u>	<u>COURSE NUMBER &amp; TITLE</u>	<u>INSTITUTION</u>
2020	CSD 596 Autism Spectrum Disorders (Doctoral level)	The Pennsylvania State University University Park, PA
2019, 2021	CSD 550 Neurobiology of Language (Doctoral Seminar)	The Pennsylvania State University University Park, PA
2017-2020	CSD 547 Language Disorders in Children (Master's level)	The Pennsylvania State University University Park, PA
1999- 2001 2007-2014	SLP 536: Language Disorders II (includes autism) (Master's level)	Duquesne University Pittsburgh, PA
2006-2015	SLP 526: Language Disorders I (includes autism) (Master's level)	Duquesne University Pittsburgh, PA
2000-2001	SLP 557: Communication Disorders in Pediatric Multihandicapped Populations (includes autism) (Master's level)	Duquesne University Pittsburgh, PA
1995-1997	CDIS 606: Diagnostics in Communication Disorders I (Master's level)	Bowling Green State University Bowling Green, OH
1994	CDIS 682: Topics in Augmentative/Alternative Communication (Master's level)	Bowling Green State University Bowling Green, OH
1989-1992	S515/S561: Introduction to Augmentative/Alternative Communication (Master's level)	Indiana University Bloomington, IN
1991-1993	S515: Language Intervention 0 to 3 (Master's level)	Indiana University Bloomington, IN
1992	S680: Directed Readings in Augmentative/Alternative Communication (Master's level)	Indiana University Bloomington, IN

#### UNDERGRADUATE COURSES TAUGHT

2019	CSD 462 Language Disorders in Children	The Pennsylvania State University University Park, PA
2015	SLP 206 Psychobiology of Spoken & Written Language	Duquesne University Pittsburgh, PA
1999-2000	SLP 450: Research in Speech & Language	Duquesne University Pittsburgh, PA
1998-2000	SLP 435: Language Disorders I	Duquesne University Pittsburgh, PA
1999-2000	SLP 205: Normal Speech & Language Development	Duquesne University Pittsburgh, PA
1997-1998	CDIS 225: Language Acquisition & Development	Bowling Green State University Bowling Green, OH
1996-1997	CDIS 301: Anatomy & Physiology of the Speech Mechanism	Bowling Green State University Bowling Green, OH
1995	CDIS 224: Phonetics	Bowling Green State University Bowling Green, OH
1990	S461: Introduction to Supervised Clinical Practice	Indiana University

Bloomington, IN

### **GUEST LECTURES**

1. Developmental Proseminar: Linguistic processing in children and adults with autism. Department of Psychology, Pennsylvania State University, November 2018.
2. Linguistic processing in children and adults with autism: Challenges in studying a neurodevelopmental disorder. Department of Psychology, Bowling Green State University, April 2017.
3. Language intervention in autism: Applying what I've learned from research, Department of Communication Sciences and Disorders, Bowling Green State University, April 2017.
4. The neurodevelopmental bases of autism spectrum disorder, Department of Developmental Psychology, University of Pittsburgh, April 2015.
5. A Comparison of Cognitive and Linguistic Processing in Children and Adults with Autism: What's Changeable? Department of Psychology, Pennsylvania State University, February 2015.
6. Research Round-Table: Language processing in autism: Insights from functional imaging, Department of Communication Disorders, University of Pittsburgh, April 2014.
7. Neurodevelopment of Autism. Carnegie Mellon University, Department of Psychology, PSY 85-406, Seminar on Autism, October 2013.
8. The Neurodevelopmental Bases of Autism. Department of Developmental Psychology, University of Pittsburgh, March 2013.
9. The Potential of fMRI: A Window on Learning. Department of Speech-Language-Hearing: Sciences and Disorders, University of Kansas, February 2013.
10. Language Processing In Autism: Insights from Functional Imaging. University of Pittsburgh, Department of Developmental Psychology, Developmental Brown Bag Series, February 2013.
11. Autism as a Neurodevelopmental Disorder. University of Pittsburgh, Department of Developmental Psychology, July 2012.
12. Functional Imaging and Autism: A Window into a Different Way of Seeing the World. Sloan Symposium, Carnegie Mellon University School of Drama, September 2011.
13. Understanding Autism: Insights from Neuropsychological and Neuroscience Research. University of Queensland. SPCH3200 Module on Autism Spectrum Disorder, August 2010 (via Skype).
14. Clinical Presentation of Autism. Carnegie Mellon University, Department of Psychology, PSY 85-406 Seminar on Autism, September 2007.

### **MENTORING—FORMAL**

1. **Research Mentoring-Pair Travel Award**, American Speech-Language-Hearing Association Convention, 2017. Jenny Burton, doctoral student, University of Cincinnati (protégé). Awarded by competitive review.
2. **Mentor** through the American Speech-Language-Hearing Association (ASHA) Mentoring Academic-Research Careers (MARC) program for Heidi Stieglitz Ham, Ph.D. CCC-SLP, Lecturer, Division of Speech Pathology, School of Health & Rehabilitation Sciences, The University of Queensland, Australia. 2010-2011.
3. **Mentor** for Elizabeth J. Carter, Ph.D. (cognitive science/psychology), 2009-2012. Liz was a postdoctoral fellow on a National Institutes of Health funded autism research grant of which I was a Co-Principal Investigator. I assisted Liz with her R03 application that was selected for funding after a single submission.
4. **Co-mentor** for Meaghan V. Parlade, Weatherstone Fellowship Award recipient, doctoral student, University of Pittsburgh, Department of Psychology, 2010-2012.
5. **Mentor** for Katherine Belardi, SPARC (Students Preparing for Academic and Research Careers) Award recipient, graduate student, Duquesne University, Department of Speech-Language Pathology. 2008-2009.
6. **Co-Mentor** for Rachel Robertson, Ph.D., Assistant Professor of Special Education at Duquesne University, for her Institute of Educational Sciences Early Career Award grant application, Fall 2012.
7. **Member Mentoring Committee** for K01 Career Development Award application for Laura Morett, Ph.D. (cognitive psychology) post-doctoral fellow, University of Pittsburgh, Summer and Fall 2014.

### **ACADEMIC ADVISEMENT**



**Dissertation Committees, Chair**  
**The Pennsylvania State University**

1. Clarke, Kaitlyn (2019-2021). *Comparing the Effects of Synchronous Versus Staggered Presentations of Dual Inputs for Novel Word/Symbol Pair Learning in Individuals with Autism Spectrum Disorder*. Department of Communication Sciences and Disorders.
2. Coburn, Kelly (2020-2021). *Personal Narratives by Autistic Adults of Under-represented Genders*. Department of Communication Sciences and Disorders.

**Dissertation Committees, Member**  
**The Pennsylvania State University**

1. Cowan, Tiana (2020-2021). *Describing How Exposure and Proficiency Modulate the Effects of Concreteness and Frequency in Second Language Sentence Repetition*. Department of Communication Sciences and Disorders.
2. Griffin, Jason (2021). Department of Psychology.
3. Laubscher, Emily (2019-2021). *The Effect of a Parent Training on Vocabulary Use for Young Children with Autism Spectrum Disorder*. Department of Communication Sciences and Disorders.
4. DiMercurio, Dominick (2019-2021). *Prediction of Relatedness Judgment from Neuroimaging-Derived Semantic Networks*. Department of Communication Sciences & Disorders.
5. Richardson, Laura (2018). *Perspectives and Experiences of Parents of Children with Communication Needs in Early Intervention*. Department of Communication Sciences and Disorders.

**University of Pittsburgh**

1. Emily Roemer (2021- ). Department of Developmental Psychology.
2. Kathryn Hauschild (2016-2018). *A Novel Gaze Based Measure of Receptive Language and Category Knowledge in Toddlers at a Heightened Familial Risk for Autism Spectrum Disorder*. Department of Developmental Psychology.
3. Lisa Sperle (2016-2017). *Visual Attention Composites across the Early Development of Infants at Heightened Genetic Risk for Autism Spectrum Disorder*. Department of Developmental Psychology.
4. Nina B. Leezenbaum (2014-2015). *Posture Development and the Emergence of Canonical Syllables in Infants at Heightened Risk for Autism Spectrum Disorders*. Department of Developmental Psychology.
5. Sarah Hannigan (2012-2014). *The Production and Perception of Facial Expressions by Infants at High-Risk for an Autism Spectrum Disorder*. Department of Developmental Psychology.
6. Desiree Wilkinson (2011-2014). *Effects of Conversational Role and Topic on Visual Attention to Faces in Adults with Autism*. Department of Developmental Psychology.
7. Meaghan Parlade (2009-2012). *The Development of Multimodal Social Communication in Infants at High Risk for Autism*. Department of Developmental Psychology.
8. Heather Leavy Rusiewicz (2007-2010). *The Role of Prosodic Stress and Delayed Auditory Feedback on the Temporal Synchronization of Speech and Deictic Gestures*. Department of Communication Sciences and Disorders.
9. Catherine Best (2008-2010). *The Effect of Perceptual Sensitivity on Face Recognition Abilities in Individuals with Autism: An Eye Tracking Study*. Department of Developmental Psychology.

**Carnegie Mellon University**

1. Saudamini Roy Damarla (2009-2010). *The Investigation of Neural Representation of Small Quantities*. Department of Psychology.
2. Elizabeth J. Carter (2009). *Exploring the Neural Correlates of Goal-Directed Action and Intention Understanding*. Department of Psychology.

**Duquesne University**

1. Gary Koch (2010-2012). *Theory of Mind and Pragmatic Language in Autism*. Department of Education.
2. Jeryl Benson (2008-2010). *An Exploration of the Role of Occupation in School-Based Occupational Therapy Practice*. Department of Foundations & Leadership, Interdisciplinary Doctoral Program for Educational Leaders (IDPEL)

**University of Alberta, Canada (External Reviewer)**

Brea Chouinard (2016). *Behavioural and Neuroimaging Investigation of Two Stages of Metaphor Comprehension Using the Metaphor Interference Effect in Individuals with Autism Spectrum Disorder*. Faculty of Rehabilitation Medicine.

**Doctoral Comprehensive Exam Committee, Chair  
The Pennsylvania State University**

1. Coburn, Kelly (2019-2020). Department of Communication Sciences & Disorders.
2. Clarke, Kaitlyn (2018-2019). Department of Communication Sciences & Disorders.

**Doctoral Comprehensive Exam Committees, Member  
The Pennsylvania State University**

1. Chun, So Yeon (2021). Department of Communication Sciences & Disorders.
2. Cowan, Tiana (2020). Department of Communication Sciences & Disorders.
3. Griffin, Jason (2020). Department of Psychology.
4. DiMercurio, Dominick (2018-2019). Department of Communication Sciences & Disorders.
5. Laubscher, Emily (2018-2019). Department of Communication Sciences & Disorders.

**University of Pittsburgh**

1. Emily Roemer (2019). Doctoral student in Developmental Psychology.
2. Kathryn Hauschild (2015). Doctoral student in Developmental Psychology.
3. Lisa Sperle (2015). Doctoral student in Developmental Psychology.
4. Meaghan Venezia Parlade (2008). Doctoral student in Developmental Psychology.
5. Catherine Best (2006-2007). Doctoral student in Developmental Psychology.
6. Keiran Rump (2006-2007). Doctoral student in Developmental Psychology.

**Doctoral Qualifying Exam Committee, Chair  
The Pennsylvania State University**

1. Wendelken, Meghan (2019-2020). Department of Communication Sciences & Disorders.
2. Coburn, Kelly (2018-2019). Department of Communication Sciences & Disorders.
3. Clarke, Kaitlyn (2017-2018). Department of Communication Sciences & Disorders.

**Doctoral Qualifying Exam Committee, Member  
The Pennsylvania State University**

1. Chun, So Yeon (2020). Department of Communication Sciences & Disorders.
2. Cowan, Tiana (2018-2019). Department of Communication Sciences & Disorders.
3. DiMercurio, Dominick (2017-2018) Department of Communication Sciences & Disorders.
4. Laubscher, Emily (2017-2018) Department of Communication Sciences & Disorders.
5. Griffin, Jason (2018). Department of Psychology.

**Thesis Committees, Chair**

**The Pennsylvania State University, Department of Communication Sciences & Disorders**

Brandon Henken (2017-2019). *Integration of top-down and bottom-up information: An investigation of scene & context processing*.

**Thesis Committees, Chair**

**Duquesne University, Department of Speech-Language Pathology**

1. Annemarie Hall (2013-2014). *Semantically-Based Therapeutic Approach through Aided Language Stimulation*.
2. Brittany Horvath (2012-2013). *Shared Book Reading Treatment Efficacy for Children with Severe Communication Impairment*.
3. Meghan Wendelken (2012-2013). *Relationship of executive functioning and language skills to theory of mind in autism* (Masters thesis, Duquesne University).
4. Katherine Belardi (2009-2010). *Indicators of Linguistic Processing Constraints in the Narratives of Individuals with High-Functioning Autism*.
5. Katherine Deragon (2009-2010). *Semantic Processing of Adults with High-Functioning Autism*.

6. Tiffani Kirchner (2000-2001). *Do the Communicative Acts Performed by Children with Autism in a Classroom Setting Vary when Peers with Typical Development are Participating in the Class?*
7. Jill Reilly (1999-2000). *The Contribution of Gesticulations to the Communication of Children.*

**Thesis Committees, Member**

**The Pennsylvania State University, Neuroscience Program**

Dominick DiMercurio (2017). *Comparison of Semantic Space Models for Neuroimaging with Abstract and Concrete Words.*

**University of Pittsburgh, Department of Psychology**

Kathryn M. Hauschild (2013-2014). *Distribution of Visual Attention When Comparing Paired Faces in Typically Developing Infants and Infants at Risk of Developing Autism.*

**Duquesne University, Department of Speech-Language Pathology**

1. Sarah Diehl (2015-2016). *Use of an Integrated Multimodal Communication Treatment with Individuals with Severe Traumatic Brain Injury.*
2. Alyssa Lanzi (2015-2016). *Group External Memory Aid Treatment for Dementia.*
3. Nicole Hill (2015-2016). *Social Functioning of Adults with a History of Childhood Apraxia of Speech.*
4. Shannon Carr (2012-2013). *Effects of Semantic + Multimodal Communication Program for Switching Behavior in Moderate-Severe Aphasia.*
5. Jessica Lynch (2011-2012). *The /r/ Phoneme Articulation Error Remediation.*
6. Tracey Anderson (1999-2000). *A Qualitative Analysis of Late Recovery from Stuttering.*

**Thesis External Reviewer (Invited)**

**The University of Western Australia, School of Psychology**

Bernadette Benson (2014). *Do children with Autism Spectrum Disorder and children with Attention-Deficit/Hyperactivity Disorder have atypical short-term memory processes?*

**Masters Paper Advisor**

**The Pennsylvania State University, Department of Communication Sciences & Disorders**

1. Taylor Freed (2020-2021). *Semantic processing in autism spectrum disorders.*
2. Jenna Supinski (2019-2020). *A review of research using fNIRS in autism spectrum disorders.*
3. Jordyn Freed (2017- 2019). *Identification of environmental sounds: Living versus nonliving sources.*
4. Rachel Hemphill (2018-2019). *Auditory perception in autism spectrum disorders.*
5. Laura Anderson (2018-2019). *The relationship between verbal fluency & personality difference in individuals with autism spectrum disorder.*
6. Jamie Bui (2018-2019). *The relationship between language skills and theory of mind in children and adults with autism spectrum disorders.*

**Senior Honor's Thesis Committee Member**

**University of Pittsburgh**

Perrine Heymann (2015). Department of Psychology.

Kelly Coburn (2009). Department of Communication Sciences and Disorders.

**CLINICAL TEACHING**

<b><u>YEARS INCLUSIVE</u></b>	<b><u>INSTITUTION</u></b>
2006 - 2016	Speech-Language-Hearing Clinic, Duquesne University, Pittsburgh, PA
1998 - 2001	Speech-Language-Hearing Clinic, Duquesne University, Pittsburgh, PA
1994 - 1998	Speech-Language-Hearing Clinic, Bowling Green State University, Bowling Green, OH
1987 - 1993	Speech-Language-Hearing Clinic, Indiana University, Bloomington, IN

**INSTRUCTIONAL PRESENTATIONS (invited)**

1. **Williams, D.L.** (2016). Language in autism: Insights from neuroscience (presentation). Mercer County 2016 Speech Round Table, Hermitage, PA.

2. **Williams, D.L.** (2015). Teaching preschool children with autism spectrum disorder: Insights from neuroscience. (3-hour presentation delivered twice). DART Preschool Program, Allegheny Intermediate Unit, Pittsburgh, PA.
3. **Williams, D.L.** (2015). Language intervention with minimally verbal children: Insights from neurobiological research. (3-hour presentation). Easter Seals, Pittsburgh, PA.
4. **Williams, D.L.** (2015). Learning and language in autism: Insights from neuroscience (presentation). DaFEAT (Dubois Area Families for Effective Autism Treatment), Dubois, PA.
5. **Williams, D.L.** (2015). Language development in autism spectrum disorders (keynote address). Autism: Putting the Pieces Together Conference, St. Francis University, Loretta, PA.
6. **Williams, D.L.** (2015). Information processing mechanisms in ASD: What we've learned relevant to SLPs (presentation). Southwest Pennsylvania Speech-Language-Hearing Association, McCandless Township, PA.
7. **Williams, D.L.** (2014). The late-talking child: Is it ASD? Developmental language disorder? Or individual difference? (online presentation). iCare Autism Café, Case Western University.
8. **Williams, D.L., & Marra, L.** (2014). Developing narrative & expository discourse skills in adolescents with autism spectrum disorders (ASD) (presentation). Duquesne University Speech-Language Pathology Fall Symposium, Pittsburgh, PA.
9. **Williams, D.L.** (2014). Language development in autism spectrum disorders across the lifespan. (6-hour course). ABOARD (Advisory Board on Autism and Related Disorders), Pittsburgh, PA.
10. **Williams, D.L.** (2014). The Developing brain: Implications for SLPs (presentation). Allegheny Intermediate Unit, Pittsburgh, PA.
11. **Williams, D.L.** (2014). A comparison of cognitive and linguistic processing in children and adults with autism: What's changeable? (presentation). Pediatric Rehabilitation Grand Rounds at the Children's Institute, Pittsburgh, PA.
12. **Williams, D.L.** (2014). Language and learning: Insights from current research in autism spectrum disorders (6-hour course). Pressley Ridge School for Autism, Pittsburgh, PA.
13. **Williams, D.L.** (2014). A Comparison of cognitive and linguistic processing in children and adults with autism: What's changeable? (presentation). Southwest Pennsylvania Speech-Language-Hearing Association, McCandless Township, PA.
14. **Williams, D.L.** (2013). Autism epidemic: Biology & myth (presentation). 2013 Update in Internal Medicine Course: Evidence-Based Approaches to Common Medical Problems, Pittsburgh, PA.
15. **Williams, D.L.** (2013). Assessment & evaluation: Best practices for language evaluations of children with ASD (presentation). Pennsylvania Bar Institute, Mechanicsburg, PA, June 18, 2013 & Pittsburgh, PA, June 26, 2013. [attendees received Continuing Legal Education credits].
16. **Williams, D.L.** (2013). Late to talk: Sign of a developmental problem or a developmental difference? (webinar). Pediatric Pittnet, University of Pittsburgh, Pittsburgh, PA. [Available for viewing on demand by regional pediatricians for Continuing Medical Education credits].
17. **Williams, D.L.** (2013). Current research: Learning in autism spectrum disorders (ASD) (3-hour course). Pressley Ridge School for Autism, Pittsburgh, PA.
18. **Williams, D.L.** (2011). Diagnosis: Is it autism? (presentation). Autism through the Lifespan: Diagnosis to Adolescence Conference, Passavant Hospital Foundation, McCandless, PA.
19. **Williams, D.L.** (2010). The potential of fMRI: A window on learning (presentation). Southwest Pennsylvania Speech and Hearing Association, Pittsburgh, PA.
20. **Williams, D.L.** (2010). Implications of neurobiologic research findings for language intervention in low functioning and high functioning children and adolescents with autism (3-hour course). Speech-Language Pathology Symposium, Duquesne University.
21. **Williams, D.L.** (2009). Learning & the brain: Applications for verbal school-age children with autism spectrum disorders (presentation). Bethel Park School District, Bethel Park, PA.
22. **Williams, D.L.** (2009). Learning & the brain: Applications for young and low verbal children with autism spectrum disorders (presentation). Bethel Park School District, Bethel Park, PA.
23. **Williams, D.L.** (2009). Developing language in children with autism: Insights from neuroscience (presentation). The FBR Foundation, Bridges to Hope Program, Autism Awareness Night, Pittsburgh, PA.

24. **Williams, D.L.** (2008). What we've learned from neuroimaging about language processing in autism (presentation). Grand Rounds, Child Development Unit, Children's Hospital, Pittsburgh, PA.
25. **Williams, D.L.** (2008). Transitioning to adulthood in autism: How neurocognitive research can help us meet the challenges (presentation). Transitioning Coordinating Council, Pittsburgh, PA.
26. **Williams, D.L.** (2008). Remarkable advances in autism research: What we've learned from neuropsychological and neuroimaging research (presentation). Lehigh Valley Autism Society of American.
27. **Williams, D.L.** (2007). Seeing the world differently: Cognitive and linguistic processing in autism (6-hour course). ABOARD (Advisory Board on Autism and Related Disorders), Dubois, PA.
28. **Williams, D.L.** (2007). Remarkable advances in autism research: Neuroimaging cognitive and linguistic processing (presentation). University of Pittsburgh School of Pharmacy, Autism Roundtable fundraiser for Autism Speaks, April 2008; and, Autism Symposium, University of Pittsburgh.
29. **Williams, D.L.** (2007). Language abnormalities in autism: The various faces of autism & not autism (presentation). Pittsburgh Regional Training Collaboration, Pittsburgh, PA.
30. **Williams, D.L.** (2005). The neurocognitive basis of autism: Remarkable advances in research (5-hour course). Intermediate Unit 5, Erie County, PA.
31. **Williams, D.L.** (2005). Language in autism: Clinical application of neurocognitive research (6-hour course). ABOARD (Advisory Board on Autism and Related Disorders), Pittsburgh, PA.
32. **Williams, D.L.** (2005). When you see the world differently: Cognitive and linguistic processing in autism (6-hour course). ABOARD (Advisory Board on Autism and Related Disorders), Pittsburgh, PA.
33. **Williams, D.L.** (2004). Auditory processing in autism (presentation). ABOARD (Advisory Board on Autism and Related Disorders) Spring Conference, Cranberry, PA.
34. **Williams, D.L.** (2000). Using AAC to develop language for the school-age SLP (presentation). Allegheny Intermediate Unit, Pittsburgh, PA.
35. **Williams, D.L.** (2000). Gesticulation of children with language impairments and typical language development (presentation). Southwest Pennsylvania Speech & Hearing Association, "ASHA Revisited" Program, Pittsburgh, PA.
36. **Williams, D.L.** (1999). Implementing AAC programming in the classroom (6-hour course). Wood County Educational Service Center, Bowling Green, OH.
37. **Williams, D.L.** (1990). Augmentative/alternative communication for infants and preschoolers (3-day course). Developmental Services, Inc., Columbus, IN.

#### **HONORS AND AWARDS FOR TEACHING/ADVISING/PROFESSIONAL PRACTICE**

<b><u>YEAR</u></b>	<b><u>TITLE OF AWARD</u></b>
1997	Faculty Honor Award, Inter-Fraternity Council/Panhellenic Council/Order of the Omega Honor Society Bowling Green State University
1998	Graduate College Teaching Assistant Award for Outstanding Teaching Bowling Green State University
2001	Creative Teaching Award, Center for Teaching Excellence, Duquesne University
2016	Faculty Advisor of the Year, Best Buddies Regional, Southwestern Pennsylvania
2019	Award for Continuing Education (ACE), American Speech-Language-Hearing Association

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### **III. SERVICE**

#### **UNIVERSITY (The Pennsylvania State University)**

- HIPAA Advisory Committee, University's Privacy Council, Member

#### **COLLEGE (Health and Human Development)**

- Chair of search committee for Head of Nutritional Sciences (2020-present)
- AC14 Administrator Review Committee Chair (Spring 2020)

- AC14 Administrator Review Committee Member (Fall 2019)
- United Way Representative (2017–present)
- Faculty and Staff Awards Committee, Reviewer (2019)
- Interview group for Human Resources Strategic Partner (2019)

#### **DEPARTMENT (Communication Sciences and Disorders)**

- Head (2016-present)
- Program Director for Master's in Speech-Language Pathology (2016-present)
- Doctoral student admissions committee (2017-2020)
- Master's student admissions committee (2017-2021)
- Coordinator Recruitment and Retention of a Diverse Student Body Working Group (2020-present)

#### **UNIVERSITY (Duquesne University)**

- President, Faculty Senate, 2014-2016.
- Faculty Handbook Drafting Committee, 2014-2016.
- Faculty Representative on the Search Committee for the President of the University, Spring to Fall 2015.
- Academic Council, 2014-2016.
- University Budget Committee, 2014-2016.
- Faculty Advisor, Best Buddies Student Organization, 2011-present. [Best Buddies was awarded Duquesne University Student Organization of the Year 2013-2014].
- President's Awards Committee, 2013, 2014, 2016.
- Rangos School of Health Sciences Faculty Senate Executive Committee Representative, 2012-2014.
- University Library Committee, 2009-2014.

#### **SCHOOL (Duquesne University/Rangos School of Health Sciences)**

- Dean's Three-Year Review Committee, Representative for Provost Pearson, 2011-2012.
- Promotion and Tenure Review Committee, 2012-2015.
- Promotion and Tenure Mentoring Committee, 2011.
- Dean's Award for Excellence in Scholarship Selection Committee, Rangos School of Health Sciences, 2010.
- Dean's Advisory Committee, 2008-2009.
- Student Conduct Committee, 2009.
- Peer Evaluator for Teaching, 2013 (4 courses), 2015 (1 course).

#### **DEPARTMENT (Duquesne University/Speech-Language Pathology)**

- Chair, Curriculum Committee, 2010-2016.
- Coordinator, Pennsylvania Department of Education, Accreditation Review Report Submission, 2013-present.
- Chair, Chair Evaluation Committee, Fall 2014.
- Member, Scholarship Committee, 2010- 2016. [This committee promotes the engagement in scholarship by faculty and students.]
- Member, Graduate Student Admissions Committee, 2008-2016.
- Member, Faculty Advisement Team, Fall 2007, Fall 2009, Spring 2013, Fall 2013, Fall 2015 [We provide individual support to students who are struggling academically and/or in clinical practice.]
- Member, Scholarship Awards Committee, 2011- 2016. [This is a selection committee for the granting of financial awards to students available through departmental funds.]

#### **PROFESSIONAL SERVICE**

##### **Editorial Board**

*Journal of Abnormal Psychology* (2018-present)

### **Guest Editor**

Guest Editor, *Perspectives* (Special Issue on Autism). Publication of Special Interest Division 1: Language and Learning Disabilities, American Speech-Language and Hearing Foundation, 2011-2012 [invited].

### **Ad hoc Reviews for Journals (last 5 years)**

1. *American Journal of Speech-Language Pathology*, 2015, 2020.
2. *Autism*, 2008-2016.
3. *Autism Research*, 2008-2020.
4. *Autism Research and Treatment*, 2019-2020.
5. *Behavioural Brain Research*, 2017-2018.
6. *Brain and Language*, 2016, 2017.
7. *Cerebral Cortex*, 2014.
8. *Cognition*, 2020.
9. *Cognitive Systems Research*, 2019.
10. *International Journal of Language & Communication Disorders*, 2020.
11. *International Journal of Speech-Language Pathology*, 2016.
12. *JAMA Psychiatry*, 2016.
13. *Journal of Abnormal Psychology*, 2013-2020.
14. *Journal of Autism and Developmental Disorders*, 2004-2020.
15. *Journal of Child Psychology and Psychiatry*, 2014.
16. *Journal of Experimental Child Psychology*, 2015.
17. *Journal of Neurodevelopmental Disorders*, 2017.
18. *Journal of Pediatrics*, 2017.
19. *Journal of Speech-Language-Hearing Research*, 2003-2018.
20. *NeuroImage: Clinical*, 2015.
21. *Neuroscience*, 2017.
22. *Neuroscience and Biobehavioral Reviews*, 2017.
23. *Psychological Bulletin*, 2019-2020 (February 7, 2020-March 23, 2020)
24. *Psychological Medicine*, 2014.
25. *Research in Autism Spectrum Disorders*, 2013-2015.
26. *Research in Developmental Disabilities*, 2017-2018.
27. *Scientific Reports*, 2018-2021.
28. *Social Work in Mental Health*, 2015.
29. *Topics in Language Disorders*, 2015.

### **Reviews for Granting Agencies (last 5 years)**

1. National Institutes of Health, Child Psychopathology and Developmental Disabilities (CPDD) Study Section (ad hoc member), February 2014, June 2015.
2. National Institutes of Health, Biobehavioral and Behavioral Processes (BBBP) Special Emphasis Panel, November 2016, October 2017, March 2018, June 2018, October, 2018, January 2019, July 2019.
3. National Institute on Deafness and Other Communication Disorders, Voice, Speech, and Language Fellowship Review, October 2019.
4. Israel Science Foundation, Individual Research Grants, January 17, 2017-February 15, 2017.
5. Research Grants Council of Hong Kong, 2010-2020.

### **Other Scholarly Review Activities**

1. External Reviewer, candidate for promotion, Northern Illinois University, 2020.
2. External Reviewer, candidate for promotion, Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, 2019.

3. External Reviewer, candidate for promotion, Department of Speech-Language Pathology and Audiology, University of Montreal, 2017.
4. Reviewer, application for Women in Science Fellowship, 2016.
5. External Reviewer, candidate for promotion and tenure, Department of Communication Sciences and Disorders, University of Vermont, 2015.
6. External Evaluator, nominee for the Nancy Carolyn Gullatt Professorship of Speech Pathology, Department of Communication Sciences and Disorders, College of Allied Health, University of Oklahoma Health Sciences Center, 2015.
7. Expert Reviewer, Nominee for a Tier II Canada Research Chair in Translational Therapeutics in Autism Spectrum Disorders, 2014.
8. Institutional Review Board, Disney Research, 2014 – 2017.
9. Abstracts for the International Meeting for Autism Research/International Society for Autism Research Annual Meeting, 2011, 2018.
10. Abstracts on Autism Spectrum Disorders for the American Speech-Language-Hearing Association Convention, 2009, 2012, 2013, 2018, 2020.
11. American Psychological Association, Dictionary of Psychology, 2nd edition, Developmental Language Disorders entries, 2011.

#### **Other Professional Review Activities**

1. Review of *Test of Auditory Processing-4*, Mental Measurements Yearbook, 2019.
2. Review of *Expression, Reception and Recall of Narrative Instrument*, Mental Measurements Yearbook, 2017.
3. Book *The Working Brain*, Solution Tree Press, 2011.
4. Book chapter "How the Brain Works," Plural Publishing, 2011.

#### **Professional Committees/Organizations**

1. Topic Chair for the Autism Spectrum Disorders Subcommittee of the American Speech-Language-Hearing Association Convention, 2013-2014 and 2014-2015.
2. Member of the Autism Spectrum Disorders Subcommittee of the American Speech-Language-Hearing Association Convention Program Committee, 2009, 2012, 2013, 2018, 2020.

#### **MEDIA REPORTS**

1. Brain gains for kids on the spectrum: Diane Williams hopes her research will convince you of the brain-changing power of language enrichment. *The ASHA Leader*, July 2013.
2. From Alaska to Pittsburgh, A mother's search for hope and help. *Duquesne University Times*. Online: December 5, 2012 and *Duquesne Magazine*, Winter 2013.
3. Resume: A newsmaker you should know: Speech pathologist finds her drive in autism research. *Pittsburgh Post-Gazette*, September 15, 2011.
4. Williams' autism research focuses on difficulty speaking about self and others. *Duquesne University Times*. Online: August 17, 2011.
5. Autism through the lifespan: Diagnosis, Interview. *WDUQ (90.5 FM) Radio*. Broadcast date: March 8, 2010.
6. Solving the puzzle—DU Researchers try to uncover the mysteries of autism. *Duquesne Magazine*. February/Winter, 2009.
7. Update on autism research, Interview, *On Q*, WQED Television, March 30, 2005.