***GARY E. MARTIN PHD, CCC-SLP***

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The University of North Carolina

Chapel Hill, NC 27599

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*gary.martin@unc.edu*

***EDUCATION***

2004-2008 University of North Carolina, Chapel Hill, NC Ph.D.

Speech and Hearing Sciences

2001-2003 University of Pittsburgh, Pittsburgh, PA M.A.

Speech-Language Pathology

1997-2001 University of Pittsburgh, Pittsburgh, PA B.A.

Communication Science and Disorders

***PROFESSIONAL EXPERIENCE***

2009-present **Investigator**

Frank Porter Graham Child Development Institute

University of North Carolina, Chapel Hill, NC

2009-present **Adjunct Assistant Professor**

Division of Speech and Hearing Sciences

Department of Allied Health Sciences

School of Medicine

University of North Carolina, Chapel Hill, NC

2008-2009 **Adjunct Instructor**

Division of Speech and Hearing Sciences

Department of Allied Health Sciences

School of Medicine

University of North Carolina, Chapel Hill, NC

2008-2009 **Post-Doctoral Fellow**

Frank Porter Graham Child Development Institute

University of North Carolina, Chapel Hill, NC

2004-2008 **Research Assistant**

Frank Porter Graham Child Development Institute

University of North Carolina, Chapel Hill, NC

2005-2008 **Graduate Teaching Assistant/Co-Instructor**

Division of Speech and Hearing Sciences

Department of Allied Health Sciences

School of Medicine

University of North Carolina, Chapel Hill, NC

2003-2004 **Clinical Fellow in Speech-Language Pathology**

The Maryland School for the Blind, Baltimore, MD

***LICENSURE, CERTIFICATION, AND OTHER EXPERIENCE***

Certificate of Clinical Competence in Speech-Language Pathology

American Speech-Language-Hearing Association, # 12092606

Certified Speech-Language Pathologist, State of North Carolina, # 6722

Reviewer: *Child Language Teaching and Therapy*; *Journal of Intellectual Disability Research; Journal of Autism and Developmental Disorders; International Journal of Language and Communication Disorders; Journal of Speech, Language, and Hearing Research*

Medical Research Council

***HONORS AND AWARDS***

2009 FPG Child Development Institute

James J. Gallagher Award

2007 American Speech-Language-Hearing Foundation,

Graduate Student Scholarship

2006 American Speech-Language-Hearing Association,

Student Research Travel Award

2004 The Maryland School for the Blind,

“Planter Award” in Integrated Therapy

***PROFESSIONAL AND SCIENTIFIC SOCIETIES***

American Speech-Language-Hearing Association

ASHA Special Interest Division 1: Language Learning and Education

ASHA Special Interest Division 2: Neurophysiology and Neurogenic Speech and Language Disorders

International Society for Autism Research

***BIBLIOGRAPHY***

**Publications**

Martin, G.E., Roberts, J.E., Sideris, J., & Assal, J. (In preparation). Verbal perseveration

in boys with fragile X syndrome compared to boys with Down syndrome. 40 pp.

Estigarribia, B. Roberts, J.E., & Martin, G.E. (In review). Cognitive, environmental, and

linguistic predictors of syntax in fragile X syndrome and Down syndrome. *Journal of Speech, Language, and Hearing Research*.

Estigarribia, B., Martin, G.E., Roberts, J.E., Spencer, A., Gucwa, A., & Sideris, J. (In

press). Narrative skill in boys with fragile X syndrome with and without autism spectrum disorder. *Applied Psycholinguistics.*

Zajac, D.J., Harris, A.A., Roberts, J.E., & Martin, G.E. (2009). Direct magnitude

estimation of articulation rate in boys with fragile X syndrome. *Journal of Speech, Language, and Hearing Research*. *52(5),* 1370-9.

Martin, G.E., Klusek, J., Estigarribia, B., & Roberts, J.E. (2009). Language

characteristics of individuals with Down syndrome. *Topics in Language Disorders, 29(2),* 112-132.

Barnes, E., Roberts, J., Long, S.H., Martin, G.E., Berni, M., Callahan-Mandulak, K. &

Sideris, J. (2009). Phonological accuracy and intelligibility in connected speech of boys with fragile X syndrome or Down syndrome. *Journal of Speech, Language, and Hearing Research, 52(4),* 1048-61.

Roberts, J.E., Chapman, R.S., Martin, G.E., & Moskowitz, L. (2008). *Language of*

*preschool and school-age children with Down syndrome and fragile X syndrome.* In S.F. Warren & M.E. Fey (Series Eds.) & J.E. Roberts, R.S. Chapman, & S.F. Warren (Vol. Eds.), *Communication and language intervention series: Speech and language development and intervention in Down syndrome and fragile X syndrome* (pp. 77-115). Baltimore: Paul H. Brookes Publishing Co.

Roberts, J., Martin, G.E., Moskowitz, L., Harris, A.A., Foreman, J., & Nelson, L. (2007).

Discourse skills of boys with fragile X syndrome in comparison to boys with Down syndrome. *Journal of Speech, Language, and Hearing Research, 50,* 475-492.

Price, J., Roberts, J., Vandergrift, N., & Martin, G. (2007). Language comprehension in

boys with fragile X syndrome and boys with Down syndrome. *Journal of Intellectual Disability Research, 51(4),* 318-326.

**Presentations**

Estigarribia, B., Roberts, J., & Martin, G. (2010, July). Understanding individual

variability in syntactic skill in fragile X syndrome. Poster presented at the biannual meeting of the National Fragile X Foundation, Detroit, MI.

Harris, A.A., Losh, M., & Martin, G. (2010, July). Diagnosing autism in fragile X

syndrome with the revised ADOS algorithms and severity score. Poster presented at the biannual meeting of the National Fragile X Foundation, Detroit, MI.

Losh, M., Martin, G., Klusek, J., Dillon, E., Hopp, C., Harris, A., Goff, G. & Piven, J.

(July, 2010). Personality, language, and neuropsychological features in relatives of individuals with FXS and relatives of individuals with autism. Paper presented at the biannual meeting of the National Fragile X Foundation, Detroit, MI.

Martin, G.E., Losh, M., Klusek, J., Harris, A., Hopp, C., & Sideris, J. (2010, July). Social

language in boys with fragile X syndrome and boys with autism. Poster presented at the biannual meeting of the National Fragile X Foundation, Detroit, MI.

Cardwell, R.L., Martin, G.E., & Losh, M. (2010, May). Communicative repair skills in

boys with autism and fragile X syndrome. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.

Harris, A., Losh, M. & Martin, G.E. (2010, May). Diagnosing autism in fragile X

syndrome with the revised ADOS algorithms and severity score. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.

Losh, M., Martin, G.E., & Klusek, J. (2010, May). Clinical and neuropsychological

overlap in the Broad Autism Phenotype and the FMR1 premutation. Paper presented at the International Meeting for Autism Research, Philadelphia, PA.

Martin, G.E., Bouser, K., Sideris, J., & Roberts, J. (2009, November). Communicative

repairs in fragile X syndrome, Down syndrome, & autism. Presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.

Martin, G.E., Helm-Estabrooks, N., Roberts, J., & Sideris, J. (2009, November). Verbal

perseveration in boys with fragile X and Down syndrome. Presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.

Martin, G.E., Losh, M., Klusek, J., & Harris, A. (2010, May). Pragmatic language and

social cognitive overlap in children with autism and fragile X syndrome. Paper presented at the International Meeting for Autism Research, Philadelphia, PA.

Martin, G.E., Roberts, J., Assal, J., & Sideris, J. (2008, November). Verbal perseveration

in boys with fragile X syndrome & Down syndrome. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.

Harris, A., Martin, G., Zajac, D., Roberts, J., & Estigarribia, B. (2008, November). DME

of articulation rate in boys with fragile X syndrome. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.

Martin, G.E. (2008, October). Verbal perseveration in fragile X & Down syndrome.

Paper presented at Fall Research Forum, Division of Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC.

Martin, G.E., Moskowitz, L., & Roberts, J. (2008, July). Speech, language of preschool

and school-age boys with fragile X syndrome: Research findings and implications for practice. Paper presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Martin, G.E., Roberts, J., & Assal, J. (2008, July). Verbal perseveration in boys with

fragile X syndrome compared to boys with Down syndrome. Paper presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Martin, G.E., Barnes, E., Roberts, J., Long, S., & Spencer, A.R. (2008, July).

Conversational speech of boys with fragile X syndrome or Down syndrome. Paper

presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Cooley, K., Martin, G.E., Moskowitz, L., Roberts, J., Sideris, J., & Estigarribia (2008,

July). Question-asking of boys with fragile X syndrome. Poster presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Edwards, A., Roberts, J., & Martin, G.E. (2008, July). Does autism affect the vocabulary,

speech, syntax, and language use of boys with fragile X syndrome? Poster presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Loiselle, V., Roberts, J., Malkin, C., Martin, G., Estigarribia, B., & Spencer, A. (2008,

July). Vocabulary, grammar, and language use of children with fragile X syndrome and

Down syndrome. Paper presented at the biannual meeting of the National Fragile X

Foundation, St. Louis, MO.

Harris, A.A., Zajac, D.J., Roberts, J.E., Martin, G.E., Weismer, G., & Estigarribia, B.

(2008, July). Do boys with fragile X speak faster than their peers? Paper presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Malkin, C., Roberts, J., Estigarribia, B., Martin, G., Spencer, A., Gucwa, A., & Price, J.

(2008, July). Narrative skills of boys with fragile X with and without autism spectrum disorder. Paper presented at the biannual meeting of the National Fragile X Foundation, St. Louis, MO.

Roberts, J. & Martin, G.E. (2008, February). Speech and language in children with Down

syndrome, fragile X syndrome, and autism: Research and directions. Paper presented at

Current Topics in Medical and Human Genetics Seminar Series, University of North

Carolina, Chapel Hill, NC.

Martin, G.E., Moskowitz, L., Roberts, J., & Nelson, L. (2007, November). Question-

asking in boys with fragile X and Down syndrome. Paper presented at the annual

meeting of the American Speech-Language-Hearing Association, Boston, MA.

Roberts, J., Martin, G.E., Barnes, E., Price, J., Zajak, D., & Callahan-Mandulak, K.

(2007, November). Speech and language in fragile X and Down syndrome. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.

Barnes, E., Roberts, J., Long, S., Martin, G.E., Berni, M., & Callahan-Mandulak, K.

(2007, November). Conversational speech in boys with fragile X or Down syndrome. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.

Martin, G.E. (2007, November). Speech skills of children with fragile X and Down

syndrome. Introduction to Phonetics, Division of Speech and Hearing Sciences,

University of North Carolina at Chapel Hill.

Roberts, J., & Martin, G.E. (2007, October). Fragile X, autism, and Down syndrome:

Findings and issues in studying language profiles in longitudinal studies. Paper presented at Frank Porter Graham Child Development Institute Seminar Series, University of North Carolina, Chapel Hill, NC.

Roberts, J., & Martin, G.E. (2007, April). Speech and language in fragile X and Down

syndrome. Phonological Deviations: Assessment and Management, Division of Speech and Hearing Sciences, University of North Carolina at Chapel Hill.

Roberts, J., Foreman, J.P., & Martin, G. (2007, April). Conversational skills of boys with

fragile X syndrome. Paper presented at the annual meeting of the National Black Association for Speech-Language and Hearing, Charlotte, NC.

Martin, G.E., Roberts, J., Moskowitz, L., Harris, A., Foreman, J., & Nelson, L. (2006,

November). Discourse in boys with fragile X syndrome and Down syndrome*.* Poster presented at the annual meeting of the **American Speech-Language-Hearing Association**, Miami Beach, FL.

Roberts, J., Barnes, E., Brady, N., Warren, S., Malkin, C., Zajac, D., & Martin, G. (2006,

November). Language/speech in fragile X and Down syndrome: Research practice implications. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Miami Beach, FL.

Barnes, E.F., Roberts, J.E., Long, S.H., Berni, M., Callahan-Mandulak, K., Martin, G., &

Scott, J. (2006, November). Conversational speech in boys with fragile X syndrome and Down syndrome. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Miami Beach, FL.

Martin, G.E. (2006, October). Communicative competence in the preschool years.

Communication Development: Analyses and Clinical Applications, Division of Speech and Hearing Sciences, University of North Carolina at Chapel Hill, NC.

Martin, G.E., Roberts, J., Moskowitz, L., Harris, A.A., Foreman, J., & Nelson, L. (2006,

July). Discourse skills in boys with fragile X syndrome in comparison to boys with Down syndrome. Paper presented at the biannual meeting of the International Fragile X Foundation, Atlanta, GA.

Moskowitz, L., Martin, G.E., Roberts, J., & Mackel, B. (2006, July). Question-asking in

boys with fragile X syndrome. Paper presented at the biannual meeting of the International Fragile X Foundation, Atlanta, GA.

Foreman, J., Martin, G.E., Roberts, J., Moskowitz, L., Harris, A.A., & Nelson, L. (2006,

July). Initiations in the discourse of boys with fragile X syndrome in comparison to boys

with Down syndrome. Paper presented at the biannual meeting of the International

Fragile X Foundation, Atlanta, GA.

Roberts, J.E., Barnes, E., Price, J.R., & Martin, G. (2006, April). Fragile X syndrome and

phonological development. Phonological Deviations: Assessment and Management, Division of Speech and Hearing Sciences, University of North Carolina at Chapel Hill, NC.

Roberts, J., & Martin, G. (2006, March). Speech and language in fragile X syndrome and

Down syndrome: Defining the phenotype and delayed vs. deviant development. Paper

presented at Developmental Psychology Bag Lunch Series, University of North

Carolina, Chapel Hill, NC.

Martin, G., Roberts, J., Moskowitz, L., Edwards, A., Foreman, J., & Harris, A. (2005,

November). Pragmatic language in fragile X syndrome and Down syndrome. Poster presented at the annual meeting of the **American Speech-Language-Hearing Association**, San Diego, CA.

Roberts, J., Barnes, E., Price, J., Callahan-Mandulak, K., Martin, G., Long, S., & Zajac,

D. (2005, November). Speech and language in fragile X syndrome and Down

syndrome. Paper presented at the annual meeting of the American Speech-Language-

Hearing Association, San Diego, CA.

Domby, L. & Martin, G. (2005, April). Recent advances in treatment of phonological

disorders. Paper presented at the North Carolina Area Health Education Centers (AHEC) workshop, Greensboro, NC.

Roberts, J., Barnes, E., Price, J., & Martin, G. (2005, January). Speech and language

skills of young males with fragile X syndrome. Phonological Deviations: Assessment and Management, Division of Speech and Hearing Sciences, University of North Carolina at Chapel Hill, NC.

***GRANTS***

1 R03 DC010880-01A1 (Martin, G.) 09/01/2010 – 08/31/12

National Institute on Deafness and Other Communication Disorders

An Investigation of the Overlap of Autism and Fragile X Syndrome: Insights from Language Prosody

This study compares boys with fragile X syndrome with and without autism spectrum disorder (ASD), boys with ASD only, and typically developing boys to identify profiles of language prosody that overlap in autism and FXS or are specific to autism, and also examines concordance between rater judgments and objective quantitative indices of prosody.

Role: Principal Investigator

1 R01 HD044935-06A1 (Zajac, D.) 07/01/08 – 06/30/13

National Institute of Child Health and Human Development

Speech of Young Males with Fragile X Syndrome

This study compares segmental and prosody/voice features and speech intelligibility and aims to identify potential mechanisms underlying individual differences in speech intelligibility of boys with FXS, Down syndrome (DS), and typical development (TD) to determine whether individual differences in speech production relate to FXS specifically or to MR in general.

Role: Investigator

12-FY07-217 (Losh, M.) 06/01/07 – 05/31/10

March of Dimes

Speech and Language Trajectories of Girls with Fragile X Syndrome

The major goals are to identify how biological, child, and environmental factors contribute to language development of girls with FXS and to compare developmental profiles of language and language use among girls with FXS to boys with FXS.

Role: Speech-Language Pathologist

2 R01 HD038819-07 (Losh, M.) 05/01/07 – 04/30/12

National Institute of Child Health and Human Development

Pragmatic Skills of Young Males and Females with Fragile X Syndrome

This study compares the developmental trajectories of pragmatic skills, the use of language in social contexts, among girls and boys with fragile X syndrome (FXS), Down syndrome (DS), and typical development (TD) and boys with autism spectrum disorder only (ASD-O) to determine whether individual differences in conversational discourse and narrative skills relate to FXS specifically or to either mental retardation (MR) or autism in general.

Role: Investigator

***TEACHING RECORD***

2005- University of North Carolina, Chapel Hill, NC,

Division of Speech and Hearing Sciences- Department of Allied Health Sciences- School of Medicine

Introduction to Research (graduate); Instructor

Independent Study in Speech and Hearing Sciences (undergraduate);

Supervisor

Introduction to Phonetics (undergraduate); Co-Instructor

Communication Development: Analyses and Clinical Applications (graduate); Teaching Assistant

Phonological Deviations: Assessment and Management (graduate); Teaching Assistant

***PROFESSIONAL SERVICE***

2010- Management Team, FPG Child Development Institute

2008-2009 Katharine Bouser, B.S. Honors Thesis, Advisor

2006-2007 Summer Pre-Graduate Research Experience (SPGRE) Program, University of North Carolina at Chapel Hill, Chapel Hill, NC, Supervisor

2005 Special Discoveries Literacy Camp, Chapel Hill, NC, Volunteer Speech-

Language-Pathologist and Consultant

2005 Cleftline 5K, A Race to Benefit the Cleft Palate Foundation, Chapel Hill, NC, Volunteer

* 1. Deaf Action Society, University of Pittsburgh, Pittsburgh, PA, Secretary

2000 Hand-in-Hand Festival, University of Pittsburgh, Pittsburgh, PA, NSSLHA representative

***LANGUAGES***

American Sign Language- 4 levels

***RESEARCH INTERESTS***

Pragmatic language in school-age children with intellectual disability and autism; perseveration in children; the effects of autism status on language and communication in known genetic disorders

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