

# Curriculum Vitae of Sandy L. Gonzalez

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## Education

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- Ph.D.**, Psychology Spring 2017 - Present  
Major Area: Developmental Science  
Minor Area: Quantitative Methods  
Florida International University (Miami, FL)
- M.S.**, Psychology Fall 2013 - Spring 2017  
Major Area: Developmental Science  
Florida International University (Miami, FL.)  
Thesis: *Measuring comprehension in diverse Hispanic infants using the Mexican-Spanish CDI*
- B.A.**, Psychology Summer 2011 – Fall 2012  
Florida International University (Miami, FL.)  
Graduated *Summa Cum Laude*
- A.A.**, Miami Dade College, Psychology Fall 2009 – Spring 2011

## Publications

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- Nelson, E.L., **Gonzalez, S.L.**, Coxe, S., Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (2017). Toddler hand preference trajectories predict 3-year language outcome. *Developmental Psychobiology*. doi: 10.1002/dev.21560
- Gonzalez, S.L.**, Reeb-Sutherland, B.C., & Nelson, E.L. (2016). Quantifying motor experience in the infant brain: EEG coherence, power and mu desynchronization. *Frontiers in Psychology*, 7:216. doi: 10.3389/fpsyg.2016.00216.
- Gonzalez, S.L.**, & Nelson, E.L. (2015). Addressing the gap: A blueprint for studying bimanual hand preference in infants. *Frontiers in Psychology*, 6:560. doi: 10.3389/fpsyg.2015.00560

## Conference Presentations

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- Ali, Y., **Gonzalez, S.**, Clifford, C., Reeb-Sutherland, B., & Nelson, E. (2017, December). Scaffolded reaching experience is related to decreased EEG coherence in infants. Poster presented at the 26th annual Neuroscience Research Day at UM Miller School of Medicine, Miami, FL, USA.
- Gonzalez, S.L.**, Fajardo, M.E., Hart, K.C., & Nelson, E.L., (2017, Nov.). “Improved fine motor skills and school readiness in pre-kindergarteners after summer treatment program”. Poster to be presented at the 50<sup>th</sup> annual meeting for The International Society for Developmental Psychobiology, Washington, D.C.

- Gonzalez, S.L.,** Fajardo, M.E., Hart, K.C., & Nelson, E.L., (2017, Oct). "Summer Treatment Program Improves Fine Motor Skills and School Readiness in Pre-Kindergarteners". Oral presentation to be given at the MARC U\*STAR & MBRS RISE Student Biomedical Mini-Symposium, Miami, FL.
- Torres, E., **Gonzalez, S.L.,** & Nelson, E.L., (2017, March). "A comparison of Hispanic infant populations on vocabulary size". Poster presented at the Conference for Undergraduate Research at FIU, Miami, Florida.
- Gonzalez, S.L.** & Nelson, E.L. (2017, March). "Comparing Hispanic infant populations on comprehension of IDHC:PG items". Oral presentation given at the 2017 Graduate Student Appreciation Week Scholarly Forum, Miami, Florida.
- Gonzalez, S.L.,** Nelson, E.L., Latta, J., Campbell, J.M, Marcinowski, E.C., & Michel, G.F. (2016, Nov.). "Consistent preschool hand preference predicts language skills at 5 years of age". Poster presented at the 49th meeting of the International Society on Developmental Psychobiology, San Diego, California, USA.
- Fajardo, M.E., **Gonzalez, S.L.,** Hart, K.C., & Nelson, E.L. (2016, Oct.). "Summer Treatment Program for PreKindergarteners Improves Fine Motor Skills". Poster presented at the FIU McNair Scholars Research Conference, Miami, Florida.
- Gonzalez, S.L.** & Nelson, E.L. (2016, Oct.). "A Comparison Between Hispanic Populations: An Item Based Analysis of the IDHC:PG". Oral presentation given at the MARC U\*STAR & MBRS RISE Student Biomedical Mini-Symposium, Miami, FL.
- Gonzalez, S.L.,** Nelson, E.L., Campbell, J., Marcinowski, E.C., & Michel, G.F. (2016, May). "Consistency in handedness over 6 to 60 months is linked to school readiness". Poster presented at the International Conference on Infant Studies, New Orleans, Louisiana.
- Betancourt, V., **Gonzalez, S.L.,** & Nelson, E.L. (2016, March). "Creation of a Spanish Language Measure Inclusive of a Diverse Hispanic Population through Renorming of the IDHC:PG". Poster presented at the Conference for Undergraduate Research at FIU, Miami, Florida.
- Gonzalez, S.L.** & Nelson E.L. (2015, Oct.). "Renorming the IDHC:PG for Diverse Hispanic Populations". Poster presented at the 9<sup>th</sup> biennial meeting for the Society for the Study of Human Development, Austin, TX.
- Gonzalez, S.L.** & Nelson E.L. (2015, Oct.). "Administration of the IDHC:PG in Diverse Hispanic Populations". Poster presented at the MARC U\*STAR & MBRS RISE Student Biomedical Mini-Symposium, Miami, FL.
- Gonzalez, S.L.** & Nelson, E.L. (2015, May). "Improving Comprehension Measures: Adaptation of the Mexican-Spanish CCT for Use in Diverse Hispanic Populations". Oral presentation given at the 2nd annual South Florida Child Psychology Research Conference, Miami, FL.
- Gonzalez, S.L.,** Nelson, E.L., Campbell, J.M., Marcinowski, E.C., Coxe, S., & Michel, G.F. (2014, November). "18-24 Months Handedness Predicts 36 Months Expressive Language Skills". Poster presented at the 47<sup>th</sup> annual meeting for The International Society for Developmental Psychobiology, Washington, D.C.

- Gonzalez, S.L.**, Krogh-Jespersen, S., & Pruden, S.M. (2014, May). "English-Spanish Bilingualism and the Conceptualization of Motion Events". Oral presentation given at the 1<sup>st</sup> annual meeting for the UM/FIU Southeast Cross University Collaborative Mentoring Conference, Miami, FL.
- Gonzalez, S.L.**, Bradley, C.A., Barriga, T., Krogh-Jespersen, S., & Pruden, S.M. (2013, November). "What Are You Looking At? Effects of English-Spanish Bilingualism on Attention to and Labeling of Motion Events". Poster presented at the 8<sup>th</sup> biennial meeting for the Society for the Study of Human Development, Fort Lauderdale, FL.
- Srikanth, S., **Gonzalez, S.**, Costales, A., Herradon, N., & Pruden, S.M. (2013, November). "Availability and Use of Early Numeracy Content in Pre-Kindergarten Classrooms". Poster presented at the 14<sup>th</sup> annual meeting for The Psychonomic Society, Toronto, Ontario, Canada.
- Srikanth, S., **Gonzalez, S.**, Costales, A., Herradon, N., & Pruden, S.M. (2013, October). "The pre-kindergarten numeracy and spatial environment survey: Examining early education settings for numeracy and spatial tools". Poster presented at the 14<sup>th</sup> biennial meeting of the Cognitive Development Society, Memphis, TN.
- Gonzalez, S.**, Bradley, C.A., Barriga, T.M., Krogh-Jespersen, S., & Pruden, S.M. (2013, April). "Mapping labels to motion events: Effects of bilingualism". Poster presented at the biennial meeting for the Society for Research in Child Development, Seattle, WA.

## Proceedings

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- Gonzalez, S.L.**, Fajardo, M.E., Hart, K.C., & Nelson, E.L. (2017, November). Improved fine motor skills and school readiness in pre-kindergarteners after summer treatment program. *Developmental Psychobiology*, 60 (S1), S28.
- Gonzalez, S.L.**, Nelson, E.L., Latta, J., Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (2016). Consistent preschool hand preference predicts language skills at 5 years of age. *Developmental Psychobiology*, 58(S1), S18.
- Gonzalez, S.L.**, Nelson, E.L., Campbell, J.M., Marcinowski, E.C., Coxe, S., & Michel, G.F. (2014). 18-24 Months handedness predicts 36 months expressive language skills. *Developmental Psychobiology*, 57(S1), S16.

## Works in Progress

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- Gonzalez, S.L.**, & Nelson, E.L. (Submitted). Measuring comprehension in diverse Hispanic infants using the IDHC.
- Gonzalez, S.L.**, Odean, R., Abad, C., & Pruden, S.M. (In Preparation). Adult English-Spanish bilinguals' conceptualization of motion events.
- Nelson, E.L., **Gonzalez, S.L.**, Abu-Rustum, R.S., Ziade, M.F., & El Asmar, J. (In Preparation). The Home Handedness Questionnaire for Preschoolers.
- Nelson, E.L., **Gonzalez, S.L.**, & Betancourt, V. (In Preparation). A meta-analysis of infant hand preferences for reaching.

## Honors and Awards

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NIH NIGMS RISE Fellowship	2015 - Present
NIH Travel Award, International Society for Developmental Psychobiology (\$300)	Fall 2017
GPSC Conference Funding (\$500)	Fall 2016
CAS Conference Funding (\$200)	Fall 2016
NIH Travel Award, International Society for Developmental Psychobiology (\$550)	Fall 2016
GPSC Conference Funding (\$500)	Spring 2016
CAS Conference Funding (\$200)	Spring 2016
MARC U*STAR & MBRS RISE Mini-Symposium: Poster Honorable Mention	Fall 2015
NIH Travel Award, International Society for Developmental Psychobiology (\$400)	Fall 2014
GPSC Conference Funding (\$500)	Fall 2014
CAS Conference Funding (\$200)	Fall 2014
Florida Bright Futures Scholarship: Florida Academic Scholars	2009 – 2012
FIU Dean's List	2011 – 2012
MDC Dean's List	2009 – 2011

## Funded Research

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<b>2015 FIU Psychology Graduate Student Seed Fund Award</b>	07/16/15 – 06/30/16
Improving language comprehension measures for diverse Hispanic populations: Adaptation of the Mexican-Spanish Computerized Comprehension Task - Award \$2,000	

## Research Experience

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<u>Graduate Research Assistant</u> , HANDS Lab, Dr. Eliza Nelson, Florida International University	August 2013 – Present
<u>Paid Post- Baccalaureate Research Assistant</u> , Project on Language and Spatial Development, Dr. Shannon Pruden, Florida International University	January 2013 – August 2013
<u>Undergraduate Research Assistant</u> , Project on Language and Spatial Development, Dr. Shannon Pruden, Florida International University	January 2012 – December 2012

## Research Interests

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- Motor development in infants and toddlers
- Developmental trajectories of handedness
- The coaction of language development, handedness and motor development
- Bilingual language development
- Language and its role in cognition and interpretation of events
- The role of environmental, cultural, social, and biological factors on language and motor development

## Teaching Experience

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### Florida International University

#### Teaching Assistant

Introduction to Psychology	Spring 2015
Introduction to Psychology (Blackboard Online Course)	Spring 2015
Introduction to Psychology	Fall 2014
Experimental Psychology Lecture	Spring 2014
Experimental Psychology Lab	Spring 2014
Introduction to Biopsychology	Spring 2014
Animal Cognition	Fall 2013

#### Guest Lectures

Introduction to Psychology: Language	Fall 2014
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## Professional Activities and Public Service

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FIU Graduate Fair Student Panel	Fall 2016
Psychology Graduate Student Association: <i>Treasurer</i>	Fall 2014- Spring 2016
FIU Child Labs Community Outreach Booth, The Children's Trust Family Expo	2013, 2014, 2015

## Advanced Training

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EGI Summer School: Core dEEG Skills	Summer 2014
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## Professional Memberships

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International Conference on Infant Studies  
International Society for Developmental Psychobiology  
Society for Research in Child Development  
Society for the Study of Human Development