

Matthew E. Foster, Ph.D.

(ORCID: 0000-0002-

Graduate Certificate: Public Health
Faculty Advisor: Daniel Crimmins, Ph.D.

2009-2011 Georgia State University
Degree: M.A. in Psychology
Thesis: Indicators of mathematics skill in children with mild intellectual

- 2015 Statistical Horizon's Short Course on Latent Class Analysis with Stephanie Lanza.
- 2014 Research Training Institute: Cluster-Randomized Trials. Sponsored by the IES – *Travel Scholarship Recipient*.
- 2014 Modern Modeling Methods (M³), Pre-Conference Training Workshop with Bengt Muthén: Advances in Latent Variable Modeling Using Mplus.
- 2013 Society for Research on Educational Effectiveness, Hierarchical Linear Modeling Short Course with Stephen Raudenbush and Anthony Byrk.
- 2012 American Psychological Association (APA) Advanced Training in Exploratory Data Mining in the Behavioral Sciences – *Travel Scholarship Recipient*.

LICENSES AND CERTIFICATIONS

Collaborative Teaching in Special Education (Pre-K-12) with Reading Endorsement,
Georgia Department of Education License #659730
Alabama Department of Education License #371799

HONORS AND AWARDS

- 2022 Publication Subvention Recipient (\$1,470), Awarded by the University of South Florida Publication's Committee
- 2020

Start Population: A Secondary Data Analysis (PI: L. Lopez)
\$546,262

CURRE ! T I ! TER ! ALLY FU ! DED RESEARCH

2023-present University of South Florida / Rightpath Startup Funds – Pro STUDY005777 (**Co-Principal Investigator**) *Cultural identity development, acculturation, and risky behaviors among Adolescents of Latino origin: A secondary data analysis* (PI: A. Perez Arias)

2022-present University of South Florida / Rightpath Startup Funds – Pro STUDY006025 (**Principal Investigator**) *Development and Validation of Kindergarten Dynamic Assessments to Predict Risk for Math Difficulties/Disabilities and Inform Instruction*

2021-present University of South Florida / Rightpath Startup Funds – Pro #00040674 (**Principal Investigator**) *Comparing NLM, VB MAPP, and NEPSY Assessments, Contributions of communication, inferencing, and social perception skills to reading and math performance*

COMPLETED EXTER ! ALLY FU ! DED RESEARCH

2022-2022 Institute of Education Sciences – R305A180037 (**Data Analysis Consultant**) *A Close Inspection of the Academic Language Used by K-3 Students* (PI: T. Spencer)
\$1,323,166

2015-2019 Institute of Education Sciences – R305A150430 (**Co-Investigator**) *Development of Math and Science Domains of the School Readiness Curriculum Based Measurement System* (PI: J. Anthony)
\$1,597,625

2017 Texas Education Agency & U.S. Department of Education – 171044037110001 (**Co-Investigator**) *2016-2017 Early Childhood School Readiness Program* (PI: S. Landry)
\$3,500,000

2015-2018 Texas Education Agency & U.S. Department of Education – ISAS#3108 (**Postdoctoral Fellow/Key Personnel**) *Development of the Texas Kindergarten Entry Assessment* (PI: J. Anthony)
\$4,500,000

2015-2017 A.R. Tony and Maria J. Sanchez Family Foundation (**Co-Principal Investigator**) *Implementation of the Junior Undiscovered Math Prodigies (JUMP) Program:*

*Reducing Academic Inequality among Language Minority Students through a
Dual Language Narrative Intervention*

\$349,929

2020

Department of Health and Human Services (**Co-Investigator**)

Trajectories of Academic Development and Behavior Problems a

Curriculum Vitae

University of South Florida.

Arch, D. A. N., Nylund-Gibson, K., **Foster, M. E., & López, L. M. (2024). Utility of mixture modeling in understanding student language and literacy proficiency in Latine DLLs: A methodological look at child development. [Manuscript – submitted for publication].

The Junior Undiscovered Math Prodigies Curriculum Placement and Mastery Test: Second Grade. (2015). Children's Learning Institute.

The Junior Undiscovered Math Prodigies Curriculum Placement and Mastery Test: First Grade. (2015). Children's Learning Institute.

CO ! SORTIUMS

2023-present Math by the Bay (Allsopp, D., Van Ingen, S., & **Foster, M. E.**)

2019-present

Montroy, J. J., Anthony, J. L., Williams, J. M., & **Foster M. E.** (2018, July). Which sounds should be scored as correct on an English test of letter sounds? In J. Anthony (Chair), *Critical evaluation of the conceptualization and operationalization of letter knowledge*. Symposium conducted at the 25th annual meeting for the Society for the Scientific Study of Reading Conference, Brighton, United Kingdom.

Foster, M. E.,

Explore the Heterogeneity of Latinx DLLs within Early Childhood Classrooms
[Symposium]. Annual meeting of the American Educational Research Association,
Chicago, IL.

López, L. M., **Foster, M. E.**, **

instruction in numeracy on math outcomes for monolingual English-speaking kindergartners from Title 1 schools. In A. Jitendra (Chair), *Improving mathematics instructional practice*. Symposium conducted at the Spring 2016 Conference for the Society for Research on Educational Effectiveness, Washington D.C.

Cohen, E. A., **Foster, M. E.**, Bucklen, M., & Hughes, N. (2008, July). Differentiated math instruction for students with

Sutter, S., **Foster, M. E., & López, L. M. (2023, March 23–25). *The relationships between oral language, literacy, and math achievement for emerging Spanish-English speaking bilingual children* [Poster presentation] 2023 Society for Research on Child Development Biennial Meeting, Salt Lake City, UT, United States.

Foster, M. E., Smith, S. A., & Spencer, T. D. (2023, February 1–3). *Language proficiency, executive functioning, and science achievement among multilingual and monolingual students in elementary school* [Poster presentation]. 31st Annual Pacific Coast Research Conference, Coronado, CA, United States.

Foster, M. E. (2022, September 28–29). *Efficacy of computer-assisted math instruction in elementary school: A randomized control trial and conceptual replication* [Poster presentation]. 2022 National Council of Teachers of Mathematics Research Conference, Los Angeles, CA, United States.

Foster, M. E., Smith, S. A., & **García Plaza, E. (2022, February 17–19). *A systematic review of the empirical literature on dual language learners' math achievement* [Poster presentation]. 30th Annual Pacific Coast Research Conference, Coronado, CA, United States. <https://doi.org/10.13140/RG.2.2.31178.64961>

Wackerle-Hollman, A., **Foster, M. E.**, Artman-Meeker, K., Durán, L., Kelley, E., & Spencer, T. D. (2022, February 10–12). *Ideas for integrating service delivery while simultaneously addressing bias and racism in early education* [Poster presentation]. 13th Biennial Conference on Research Innovations in Early Intervention, Coronado, CA, United States.

Foster, M. E., Caemmerer, J. M., **Hennessy, B., ***Sussman(F) -9 (o101T(0.24 0 0 0.24 8.5039 593.6561cm B

Research Conference.

Foster, M. E., Anthony, J. L., Williams, J. M., & ***Chen, Y. J. I. (2020, February 20–22). *Kindergarten math achievement and its association with language profiles of children from linguistically diverse backgrounds* [Poster presentation]. 28th Annual Pacific Coast Research Conference, Coronado, CA, United States.

Foster, M. E., & Anthony, J. L. (2019, February). *English and Spanish profiles of oral language growth trajectories of dual language learners and monolingual English speakers*. Poster presented at the 27th annual Pacific Coast Research Conference, Coronado, CA.

Anthony, J. L., Williams, J. M., **Foster, M. E.,** **Erazo, N., Assel, M., Montroy, J. J., & Cen, W. (2018, October). *Psychometric evaluation of the Spanish school readiness curriculum based measurement system*. Poster presented at the 4th Annual Florida Psycholinguistics Meeting, University of South Florida, Tampa, FL.

Anthony, J. L., Williams, J. M., **Foster, M. E.,** **Erazo, N., Assel, M., Montroy, J. J., & Cen, W. (2018, May). *Psychometric evaluation of the Spanish school readiness curriculum based measurement system*

Broadening the spectrum: Insight into the impact that inferencing has on mathematics in children with autism spectrum disorder [Poster presentation]. 2022 USF Undergraduate Research Conference, Tampa, FL.

*Zabih, B., *Elkolalli, I., Spencer, T.D., **Foster, M. E.**, & *O' Reilly, J. (2022, April 7). *Beyond the spectrum: Examining correlations between inferencing, theory of mind, and affect recognition skills in children diagnosed with autism spectrum disorders* [Poster presentation]. 2022

subgroups within a heterogeneous population: A latent profile investigation of Spanish-English preschoolers in Head Start [Invited virtual presentation]. U.S. Department of Education Office of English Language Acquisition and Institute of Education Sciences.

Foster, M. E., Caemmerer, J., *Hennessy, B., & ***Sussman, J. (2020, February). *Parallel process latent growth modeling: Children's developmental trajectories in mathematics, reading, and science* [Invited presentation]. American Education Research Association and National Science Foundation Institute on Statistical Analysis: Development of Mathematics Competencies in Early Childhood. Laguna Beach, CA.

Foster, M. E. (2018, February). *English and Spanish profiles of oral language growth trajectories of dual language learners and monolingual English speakers*. Invited presentation for the University of South Florida Dual Language Learners Faculty Group Meeting, Tampa, FL.

Foster, M. E. & Anthony, J. L. (2018, September). *The utility of the VPK and KRT in the predicting academic achievement of children Hillsborough County Public School children*. Invited presentation for the Hillsborough County Public Schools, Conn Foundation, and the Children's Board of Hillsborough County, Tampa, FL.

Anthony, J. L. & **Foster, M. E.** (2018, April). *Kindergarten readiness report of children entering Hillsborough County Public Schools in 2017*. Invited presentation at Hillsborough County Public Schools, Conn Foundation, and the Children's Board of Hillsborough County, Tampa, FL.

Foster, M. E. (2017, October). Digital tools in mathematics education and dual language learners: Evidence from a randomized control trial. In T. Kaldor (Chair), *Digital learning*. Symposium conducted at the at the Erikson Institute's Promising Math: A Conference Linking Research and Practice, Chicago, IL.

Foster, M. E. & Coffey, S. (2017, July). *Mathematics, language and instruction in preschool number knowledge: A developmental progressions approach*. Invited presentation at 7th Annual Texas School Ready Early Childhood Summer Institute, Dallas, TX.

Foster, M. E. (2017, February). *Mathematics, language, and critical components of intensive intervention*. Invited presentation

language learners in kindergarten. Poster presented at the Education and Inequality in 21st Century America conference, Stanford, CA.

Foster, M. E., Anthony, J. L., Williams, J. M., Clements, D. H., & Sarama, J. H.

Consultant (2023-present). Ongoing consultation to foster the mathematical achievement of students within the Tampa Bay Area in collaboration with administrators in local education

Georgia State University - College of Education

Spring 2013 Graduate Teaching Assistant: Child Development

UNIVERSITY INSTRUCTIO : GRADUATE COURSES***University of South Florida – College of Behavioral and Community Sciences***

Fall 2024 School Based Mental Health Services, Master's (TBD)

Summer 2024 Statistical Applications in Translational Research and Evaluation,
Doctoral (9)

Summer 2024 Thesis, Master's (1)

Spring 2024 Thesis, Master's (1)

Spring 2024 Research and Evaluation in Child and Adolescent Behavioral Health,
Master's (14)

Fall 2023 School Based Mental Health Services, Master's (8)

Fall 2023 Applied Field Experience, Master's (2)

Fall 2023 Thesis, Master's (1)

Spring 2023 Applied Field Experience, Master's (2)

Spring 2023 Thesis, Master's (1)

Spring 2023 Research and Evaluation in Child and Adolescent Behavioral Health,
Master's (19)

Fall 2022 School Based Mental Health Services, Master's (7)

Summer 2022 Statistical Applications in Translational Research and Evaluation,

Fall 1 Doctoral (11)

Spring 2022 Research and Evaluation in Child and Adolescent Behavioral Health

ACADEMIC ADVISING / MENTORING

High School Students Mentored

- 2021 Julie Caterson, Berkeley Prep Capstone, *The achievement gap, and bilingual learning programs' effectiveness for ESL students.*
- 2021 Gabriella Stafford, Sarasota High School's MAST Research Program, *The prosocial value of children's media.*

Undergraduate Students Mentored – University of South Florida

- 2023-present Alexia Burns, B. A. in Language, Speech, & Hearing Services *Undergraduate Research Scholar Award* (April, 2024)
- 2023-present Coral Morley, B. A. in Language, Speech, & Hearing Services *Undergraduate Research Scholar Award* (April, 2024)
- 2023-present Emma Barney, B. A. in Language, Speech, & Hearing Services
- 2023-present Mia Sinclair, B. A. in Language, Speech, & Hearing Services *Undergraduate Research Scholar Award* (June, 2024)
- 2023-present Caroline Kelley, B. A. in Language, Speech, & Hearing Services, *Undergraduate Research Scholar Award* (January, 2024);

- Research Award* (February, 2022), *Undergraduate Research Scholar Award* (April, 2022), & *Undergraduate Research Scholar Award* (July 2022)
- 2021-2022 Jade Brown, B.A. in Language, Speech, & Hearing Services, *The Mom's Project Research Award* (February, 2021) & *Undergraduate Research Scholar Award* (April, 2022)
- 2018-2021 Arielle Ialacci, B.A. in Psychology & B.A. in Statistics
- 2019-2021 Kaleigh Hoffman, B.A. in Psychology
- 2018-2019 Joel Green, B.A. in Social Work
- 2018-2019 Tyler Cole, B.A. in Behavioral Healthcare

Undergraduate Students Mentored – Other Institutions

- 2013-2015 Tonya Miller, B.A. in Psychology, Georgia State University; completed Ph.D. in clinical psychology at Mercer University

Postbaccalaureate Students Mentored

- 2023-present Adriana Escudero Badias, B.A. in Psychology, College of Arts and Sciences, University of South Florida

Master's Students Academic Advisor – University of South Florida

- 2023-present Brooke Fiorenza, M.S. in Child and Adolescent Behavioral Health (CABH), College of Behavioral and Community Sciences (CBCS)
- 2022-present Kacey Wood, M.S. in CABH, CBCS, **ITRE**

Doctoral Students Mentored – University of South Florida

- 2022 Tiara, Rowell, Ph.D. in School Psychology, College of Education
 2022-2023 Brandon Budzisch, Ph.D. in School Psychology, College of Education
 2020-2021 Paige Eplin, Ph.D. in Technology in Education and Second Language Acquisition

Doctoral Students Mentored – Other Institutions

- 2015-2020 Tonya Miller Roberts, completed Ph.D. in Clinical Psychology, Mercer University

Doctoral Committees – University of South Florida

- 2019-2022 Megan Kirby, Ph.D. in CBCS
 2018-2020 Bonnie Brown, Ph.D. in CBCS

Dissertation Committees (*Chair) – University of South Florida

- 2022-present Matthew Cox, Ph.D. in Interdisciplinary Studies, CBCS
 2022-2024 Norah Almubark, Ph.D. in Communication Sciences & Disorders, CBCS
 2019-2021 Amal Barzanji, Ph.D. in Technology in Education and Second Language Acquisition, College of Education
 2020-2022 Megan Kirby, Ph.D. in Interdisciplinary Studies, CBCS, ***Outstanding Graduate Student Research Award*** (April, 2022)
 2019 Debbie Campbell, Ph.D. in Communication Sciences and Disorders, CBCS
 2019-2020 Bonnie Brown*, Ph.D. in Interdisciplinary Studies, CBCS

Postdoctoral Students

- 2018-2020 Anna Garcia, Ph.D. in Applied Behavior Analysis, University of South Florida

PROFESSIO ! AL K-12 TEACHI ! G EXPERIE ! CE

- 2005-2009 Cognitive Development Specialist, Georgia State University Reading Project, Atlanta, GA (Institute of Education Sciences Award No. H324K0007)
 2004-2005 Certified Interrelated Teacher in Special Education, Lawrenceville, GA
 2003-2004

2016-present *Review of Educational Research*
2016-2024 *Learning and Individual Differences**
2016-2022 *Journal of Educational Psychology**
2015-2023 *Journal for Research in Mathematics Education*

Conference Review Panels - International

2024 The Mathematical Cognition and Learning Society Conference proposal reviewer
2023 The Mathematical Cognition and Learning Society Conference proposal reviewer
2021 The Mathematical Cognition and Learning Society Conference proposal reviewer

Conference Review Panels - United States

2024 Society for Research on Educational Effectiveness, Research Methods Section
2023

2016

Georgia State University

- 2011–2013 Co-President, Graduate Association of Student Psychologists, Department of Psychology
- 2010–2013 Ronald E. McNair Post-Baccalaureate Achievement Program, Symposium and Poster Presentations Research Judge
- 2010–2012 Executive Committee Graduate Representative, College of Arts and Sciences
- 2010–2012 Executive Committee Graduate Representative, Department of Psychology

OTHER SERVICE

- 2024-present Executive Committee, Thrive by 5
- 2023