

Cindy L. Guerrero

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Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA)
Department of Educational Psychology
School of Education and Human Development
Texas A&M University, College Station, Texas

ACADEMIC HISTORY

Education

Ph.D. Texas A&M University, College Station 2015	<i>Educational Psychology</i> <i>Emphasis Area: Bilingual Education</i>
M. Ed. Texas A&M University, College Station 2004	<i>Educational Psychology</i> <i>Emphasis Area: Bilingual Education</i>
M. Ed. Texas State University, San Marcos 1999	Major: <i>Curriculum and Instruction</i>
B.S. Texas State University, San Marcos 1998	Major: <i>Elementary Education</i>

Academic Positions

2020 – current	Research Scientist, CRDLLA, School of Education and Human Development, Texas A&M University, College Station
2020-current	Lecturer, Department of Educational Psychology, Texas A&M University, College Station
2017-2020	Associate Research Scientist, CRDLLA, School of Education and Human Development, Texas A&M University, College Station
2012 – 2017	Senior Research Associate, Bilingual Education Programs, Department of Educational Psychology, Texas A&M University, College Station
2005-2012	Lead Research Coordinator, Aldine ISD, Houston 2004-2005 Research Coordinator, Aldine ISD, Houston
1999-2004	English as a Second Language Teacher, Aldine ISD, Houston
1998-1999	Elementary Teacher, Austin ISD, Austin

RESEARCH

Areas of Interest

- Language and literacy development, academic language proficiency, science and reading achievement of economically challenged, rural, urban, and English learners/emergent bilinguals
- Professional learning and coaching for teachers of economically challenged, rural, urban, and English learners/emergent bilinguals

Research Grants: Under Review

Let's Talk Science: Multifaceted Virtual PD and Virtual Mentoring and Coaching to Improve Academic Language Instruction for Young Emergent Bilinguals (Project LTS). Office of English Language Acquisition (OELA): National Professional Development (NPD) Program, Total Budget Request: \$3,000,000 over 5 years (October 2022-September 2027).

Investigators: Tong, F. (PI), Lara-Alecio, R. (PI), Irby, B. (Co-PI), **Guerrero, C.** (Co-PI)

Research Grants: Active

Virtually-Infused Collaborations for Teaching and Learning Opportunities for Rural Youth (VICTORY). (Grant Award No. S411B200055). Grant funded by U. S. Department of Education, Investing in Innovation (i3). Funded \$7,999,563 for 3 years (2021-2023). Investigators:

Lara-Alecio, R. (PI), Irby, B. (Co-PI), Tong, F. (Co-PI), Jones, R. (Co-PI), Capraro, R. (Co-PI), & Capraro, M. M. (Co-PI), Lead Coordinator: **Guerrero, C.**

Roles and Responsibilities:

PROJECT MANAGEMENT: *manage IRB approvals (initial application, develop consent forms, recruitment materials, amendments, continuation), facilitate hiring of project staff (develop job descriptions, chair hiring committee - develop interview questions, facilitate interviews, complete hiring matrix and compliance), supervise research team (coordinators, graduate students, undergraduate students) to successfully implement project components, generate and track task management, recruit and onboard partner districts and participants (including development and execution of Memorandum of Understanding (MOU) and collection of consent forms), maintain partner relationships with stakeholders, collaborate with consultants and coordinators, monitor budget, facilitate selection, ordering, and shipping of project materials*

PROJECT IMPLEMENTATION: *co-develop curriculum and instructional resources, implement instructional interventions, track and calculate participant participation and stipends, oversee shipping and utilization of teacher and student technology, manage administrator accounts for software and observation platforms, implement innovation components (Family Involvement in Science take-home activities and at-home recordings, implement Scientists as Role Models and Mentors component bridging science students and university scientists)*

TEACHER PROFESSIONAL DEVELOPMENT: *develop and deliver virtual professional development for teachers focusing on implementation of literacy, science, and second language instructional strategies, implement real-time virtual mentoring and coaching model, support teacher self-reflection via EduReflection app*

DATA COLLECTION: *support qualitative and quantitative data collection, facilitate collection and analysis of classroom recordings, train coders in observation protocol to reach rigorous inter-rater reliability, manage project testing administration, work closely with Data Analysis Coordinator*

PROJECT REPORTING AND DISSEMINATION: *conduct weekly meetings with PIs, monthly meetings with External Evaluators, quarterly meetings with Program Officer, develop annual project reporting, disseminate findings through proposals, presentations, research briefs, publications, and organize online and in-person Institutes*

Literacy-Infused Science Using Technology Innovation Opportunity (LISTO). (Grant Award No. U411B160011). Grant funded by *U.S. Department of Education, Investing in Innovation (i3)*. Funded \$12,000,000 for 5 years (2017-2021), with six month no-cost extension approved through June 30, 2022. Investigators: Lara-Alecio, R. (PI), Irby, B. (Co-PI), Tong, F. (Co-PI), Jones, R. (Co-PI), Capraro, R. (Co-PI), & Capraro, M. M. (Co-PI). Lead Coordinator: **Guerrero, C.**

Research Grants: Completed

English Language and Literacy Acquisition-Validation (ELLA-V). (Grant Award No. U411B120047). Grant funded by *U.S. Department of Education, Investing in Innovation (i3)*. Funded \$15,000,000 for 5 years (2013-2017). Investigators: Lara-Alecio, R. (PI), Irby, B. (Co-PI), & Tong, F. (Co-PI). Lead Coordinator: **Guerrero, C.**

Online Bilingual/ESL Certification Project. Grant funded by *Texas Education Agency*. Funded \$500,000 for 3 years (2012-2013). Investigators: Lara-Alecio, R. (PI). Lead Coordinator: **Guerrero, C.**

Roles and Responsibilities: Partner with Educational Service Centers in East Texas to recruit teachers to participate in online ESL/BIL certification courses, deliver online instruction, prepare and deliver in-person teacher professional development focusing on implementation of second language instructional strategies, track participant participation and completion

Collaborative Research: A Longitudinal Randomized Trial Study of Middle School Science for English Language Learners. (Grant Award No. DRL-o822343). Grant funded by *National Science Foundation*. Funded \$1,695,262 for 4 years (2008-2012). Investigators: Lara-Alecio, R. (PI), Tong, F. (Co-PI), & Irby, B. (PI-sub award). Lead Coordinator: **Guerrero, C.**

Project ELLA: English Language and Literacy Acquisition. (Grant Award No. U411B120047). Grant funded by *U.S. Department of Education, Institute of Educational Sciences (IES)*. Funded \$6,762,115 for 5 years with 1 year no-cost extension (2003-2008). Investigators: Lara-Alecio, R. (PI) & Irby, B. (PI-sub award) Lead Coordinator: **Guerrero, C.**

Competitively Awarded Internal Grants

Building Rural Teaching Acme in Secondary Science: Enhancing Science Teaching for High Needs Students in Rural Schools, Project BRASS. Grant funded by *Catapult Grant, College of Education and Human Development, TAMU*. Funded \$10,000 for 2 years (2019-2020).

Investigators: Lara, R. (PI), Irby, B. (Co-PI), Nafuko, F (Co-PI) , Farenwald, C. (Co-PI) & **Guerrero, C.** (Co-PI).

Roles and Responsibilities: Recruitment, virtual professional development, virtual coaching and mentoring, conducting virtual teacher professional development focusing on literacy, science, and second language instructional strategies, data collection, organize symposium

Refereed Publications

- Irby, B. J., Tong, F., Lara-Alecio, R., Tang, S., Guerrero, C., Wang, Z., & Zhen, F. (2021). Investigating the impact of literacy-infused science intervention on economically challenged students' science achievement: A case study from a rural district in Texas. *Science Insights Education Frontiers*, 9(1), 1123-1141.
- Tong, F., Tang, S., Irby, B. J., Lara-Alecio, R., & Guerrero, C., (2020). Inter-rater reliability data of classroom observation: fidelity in large-scale randomized research in education. *Data in Brief*, 29, 105303. [Indexed in SCOPUS, Cite Score: 1.7]
- Tang, S., Tong, F., Irby, B. J., Lara-Alecio, R., & Guerrero, C. (2020). Fidelity of implementation in a randomized controlled trial study: The effect of virtual professional development. *Bilingual Research Journal*. [indexed in Scopus, Cite Score = 0.89]
- Tong, F., Tang, S., Irby, B. J., Lara-Alecio, R., & Guerrero, C. (2020). Determining proper indices of inter-rater reliability of classroom observation instruments as fidelity measure in large-scale randomized research with English learners. *International Journal of Educational Research*, 99. <https://doi.org/10.1016/j.ijer.2019.101514> [2018 Impact Factor: 1.341]
- Tong, F., Tang, S., Irby, B. J., Lara-Alecio, R., Guerrero, C., & Lopez, T. (2019). A process for establishing and maintaining inter-rater reliability for two observation instruments as fidelity of implementation in a large-scale randomized controlled trial. *Studies in Educational Evaluation*, 62, 18-29. doi: 10.1016/j.stueduc.2019.04.008 [2017 Impact Factor: 1.099]
- Tong, F., Irby, B. J., Lara-Alecio, R., Guerrero, C., & Tang, S. (2018). The impact of professional learning on in-service teachers' pedagogical delivery of literacy-infused science with middle school English learners: a randomized controlled trial study in the U.S. *Educational Studies*. doi: 10.1080/03055698.2018.1509776 [2017 Impact Factor: 0.629]
- Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., & Koch, J. (2018). Assessing conceptual understanding via a literacy-infused, inquiry-based science among middle school English learners and economically-challenged students. *Education Sciences*, 8(27), 1-20. doi:10.3390/educsci8010027 [indexed in Scopus]
- Corcoran, R. P., Ross, S. M., Irby, B. J., Tong, F., Lara-Alecio, R., & Guerrero, C. (2014). ELLA-V and technology usage in an English language and literacy acquisition validation randomized controlled trial study. *World Journal of Educational Technology*, 6(3), 291-307.

- Tong, F., Irby, B. J., Lara-Alecio, R., Guerrero, C., Fan, Y., & Huerta, M. (2014). A randomized study of literacy integrated science intervention for low SES middle school students: Findings from first year implementation. *International Journal of Science Education*, 36(12), 2083-2109. doi: 10.1080/09500693.2014.883107. [2013 Impact Factor 1.516]
- Lara-Alecio, R., Tong, F., Irby, B.J., Guerrero, C., Huerta, M, & Fan, Y. (2012). An experimental study of science intervention among middle school English learners: Findings from first year implementation. *Journal of Research in Science Teaching*, 49(8), 987-1011. doi: 10.1002/tea.21031 [2012 5-year impact factor: 3.227]
- Irby, B. J., Guerrero, C., Rafael-Alecio, R., Tong, F., & Rodriguez, L. (2012). High-quality professional development for teachers of English language learners. *School Leadership Review*, 7(1) 36-46.
- Irby, B. J., Tong, F., Nichter, M, Lara-Alecio, R., Hassey, F., & Guerrero, C. (2011). Hispanic English learners' self esteem related to instructional program type, language of instruction, and gender. *TABE Journal*, 13(1), 26-48.
- Irby, B. J., Tong, F., Lara-Alecio, R., Mathes, G. P., Acosta, S., & Guerrero, C. (2010). Quality of instruction, language of instruction, and Spanish-speaking English learners' performance on a state high-stakes reading assessment. *TABE Journal*, 12(1), 1-42.

Invited Chapters and Other Publications

- Lara-Alecio, Irby., B.J., Tong, F., & Guerrero, C. (2022). Partnering with corporations. In. AnLar (Eds.), *Innovations and adaptations inspired through COVID-19 constraints: A rural cross-project summary*.
- Lara-Alecio., R., Irby., B.J., Tong, F., Guerrero, C., Sutton-Jones, K., & Abdelrahman, N. (2022). Behind the scenes of a longitudinal large-scale randomized controlled trial study with native Spanish speakers: Lessons learned. In K. Dikilitas & K., Mastuserio-Reynolds (Eds.), *Research methods in language teaching and learning: A practical guide*. Wiley Blackwell.
- Irby, B.J., Lara-Alecio, R., Tong, F., & Guerrero, C. (2017). Making spaces for learning with maker spaces. [in Chinese]. *Journal of World Education* (Chinese Ministry of Education), 18, 6-9.
- Druery, D., Irby, B. J., Lara-Alecio, R., Tong, F., & Guerrero, C. (2017). Academic Oral and Written Language (AOWLS): A Curriculum Component of the English Language and Literacy Acquisition-Validation (ELLA-V; i3 Grant). In P. Cook (Ed.). *Educational Trends*. Newcastle upon Tyne, England: Cambridge Press.

Irby, B. J., Tong, F., Lara-Alecio, R., Guerrero, C., Jimenez, D., & Lopez, T. (2014). What works for learners and their teachers in second language learning classrooms. In P. R. Cook, (Ed.), *Educational trends: A symposium in Belize, Central America* (pp. 80-91). Newcastle, UK: Cambridge Scholars Publishing.

Technical Research Reports Prepared for Federal Agencies

Project LISTO reports submitted to the Office of Investment and Innovation, U. S. Department of Education (DOE).

- (2021). *Project LISTO Proposal for No-Cost Extension*
- (2020). *Project LISTO 3rd Year Annual Performance Report*
- (2019). *Project LISTO 2nd Year Annual Performance Report*
- (2019). *Project LISTO Management Plan--Year 3*
- (2018). *Project LISTO Management Plan--Year 2.*
- (2018). *Project LISTO 1st Year Annual Performance Report.*
- (2017). *Project LISTO Management Plan--Year 1.*

Project ELLA-V reports submitted to the Office of Investment and Innovation, U.S., Department of Education (DOE).

- (2017). *Project ELLA-V 4th Year Annual Performance Report.*
- (2016). *Project ELLA-V Management Plan—Year 4.*
- (2016). *Project ELLA-V 3rd Year Annual Performance Report.*
- (2015). *Project ELLA-V Management Plan—Year 3.*
- (2015). *Project ELLA-V 2nd Year Annual Performance Report.*
- (2014). *Project ELLA-V 1st Year Annual Performance Report.*
- (2014). *Project ELLA-V Management Plan—Year 2.*

Project MSSELL reports submitted to the National Science Foundation (NSF).

- (2013). *Project MSSELL final performance report.*
- (2011). *Project MSSELL 3rd year annual evaluation.*
- (2010). *Project MSSELL 2nd year annual evaluation.*
- (2009). *Project MSSELL 1st year annual evaluation.*

Project ELLA reports submitted to Institute for Education Sciences (IES), Department of Education (DOE).

- (2009). *Project ELLA final evaluation.*
- (2008). *Project ELLA 5th year annual evaluation.*
- (2007). *Project ELLA 4th year annual evaluation.*
- (2006). *Project ELLA 3rd year annual evaluation.*

Refereed Conference Presentations

Tang, S., Guerrero, C., Tong, F., Irby, B., Lara-Alecio, R., Zhen, F., & Guo, W. (2021, April). Teachers' perceptions of ongoing virtual professional development in a science-infused literacy intervention. Presented at the annual meeting of the American Educational Research Association (Online conference).

Lara-Alecio, R., Tong, F., Irby, B., Guerrero, C., Tang, S., Wang, Z., He, C., & Zhen, F. (2021, April). Fifth-grade science teachers' pedagogical approaches in a randomized controlled trial: A classroom observation study. Presented at the annual meeting of the American Educational Research Association (Online conference).

Esparza, A.M., Fleming Jr., K., Pang, H., Zhang, H., Guerrero, C.L., Lara-Alecio, R., Irby, B.J., & Tong, F. (2021, April). Investigating Literacy-Infused Science Strategies Enactment Among 7th Grade Science Teachers. Presented at the annual meeting of the American Educational Research Association (Online conference).

Guerrero, C., Tang, S., Tong, F., Lara-Alecio, R., & Irby, B. J. (2020, April). *Fidelity of implementation in a randomized control trial study: The effect of virtual development*. To be presented at the annual meeting of the American Educational Research Association, San Francisco, USA. (Conference canceled)

Guerrero, C., Tang, S., Lara-Alecio, R., Irby, B. J., Tong, F., & Wang, Z. (2020, April). *The impact of virtual PD on kindergarten bilingual teachers' instruction: Fidelity in a randomized study*. To be presented at the annual meeting of the American Educational Research Association, San Francisco, USA. (Conference canceled)

Tong, F., Tang, S., Guerrero, C., Zhen, F., Irby, B. J., & Lara-Alecio, R. (2020, April). *Validating a Student science interest survey for economically-challenged middle school students from a randomized study*. To be presented at the annual meeting of the American Educational Research Association, San Francisco, USA. (Conference canceled)

Esparza, A., Fleming, K., Tang, S., Guerrero, C., Lara-Alecio, R., Irby, B.J., Tong, F., Wang, Z. (2020, April). *Science teachers' growth trajectory in engagement in continuous online PD: A large-scale RCT perspective*. To be presented at the annual meeting of the American Educational Research Association, San Francisco, USA. (Conference canceled)

Fleming, K., Guerrero, C., Irby, B.J., Lara-Alecio, R., & Tong, F. (2020, April). *Scaling Up Research on family involvement in science learning*. To be presented at the annual meeting of the American Educational Research Association, San Francisco, USA. (Conference canceled)

Esparza, A.M., Fleming Jr., K., Lara-Alecio, R., Irby, B.J., & Tong, F., & Guerrero, C. (2019, November). *Scaffolding scientific argumentation with CERs*. Presented at the Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Esparza, A.M., Fleming Jr., K., Lara-Alecio, R., Irby, B.J., & Tong, F., & Guerrero, C. (2019, November). *Chunking and connecting scientific vocabulary*. Presented at the Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Fleming Jr., Esparza, A.M., K., Lara-Alecio, R., Irby, B.J., & Tong, F., & Guerrero, C. (2019, November). *Bringing science home with Project LISTO*. Presented at the Conference for the Advancement of Science Teaching (CAST), Dallas, TX.

Tong, F., Lara-Alecio, R., Irby, B. J., Tang, S., Guerrero, C., Wang, Z., Pashmforoosh, R. & Cajiao-Wingenbach, L. (2019, April). *Teachers' native language and their kindergarten English learners' English learning: A randomized research in school*. Paper presented at the annual meeting of AERA, Toronto, Canada.

Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., Tang, S., Wang, Z., Zhen, F., Pashmforoosh, R., & Pathikonda, S. (2019, April). *The impact of virtual professional development on science teachers' fidelity of implementation in a randomized study*. Paper presented at the annual meeting of AERA, Toronto, Canada.

Irby, B. J., Tong, F., Lara-Alecio, R., Tang, S., Guerrero, C. L., Cajiao-Wingenbach, L., Ross, S. M., Wolf, B., & Latham, G. (2019, April). *The effect of virtual professional development on kindergarten bilingual teachers' implementation fidelity in a randomized study*. Paper presented at the annual meeting of AERA, Toronto, Canada.

Tong, F., Irby, B. J., Lara-Alecio, R., Tang, S., Guerrero, C. L., Cajiao-Wingenbach, L., Wolf, B., & Ross, S. M. (2019, April). *The immediate and long-term impact of an English literacy- and-science-infused intervention on English learners' science achievement*. Paper presented at the annual meeting of AERA, Toronto, Canada.

Fleming, K., Esparza, A., Lara-Alecio, Guerrero, C., R., Irby, B.J., & Tong, F. (2018, October). *100 alternative science conceptions*. Paper presented at Advancement of Science Teaching, Fort Worth, TX.

Guerrero, C., Tang, S., Lin, S., Lopez, T., Tong, F., Irby, B., & Lara-Alecio, R. (2018, April). *Establishing and monitoring inter-rater reliability of classroom observations in a large- scale randomized controlled trial*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Irby, B., Tong, F., Lara-Alecio, R., Guerrero, C., Tang, S., Lin, S., Wang, Z., & Lopez, T. (2018, April). *Hispanic kindergarten bilingual students' response to instructional intervention on English oral language and early literacy*. Paper presented at the annual meeting of the American Educational Research Association, New York City.

Tong, F., Lara-Alecio, R., Irby, B., Guerrero, C., Tang, S., Lin, S., Lopez, T., & Min, Y. (2018, April). *Instructional intervention and kindergarten bilingual students' English achievement: A randomized controlled trial in school*. Paper presented at the annual meeting of the American Educational Research Association, New York City.

- Tong, F., Irby, B., Tang, S., Lara-Alecio, R., Guerrero, C., Lopez, T., & Cajiao-Wingenbach, L. (2018, April). *Kindergarten bilingual teachers' pedagogical differences during ESL block in a randomized controlled trial study*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Tong, F., Irby, B., Lara-Alecio, R., Guerrero, C., Min, Y., Wang, Z., Cajiao-Wingenbach, L., & Lopez, T. (2018, April). *Kindergarten teachers' perception of virtual professional development in a randomized controlled trial study*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Tang, S., Guerrero, C., Lopez, T., Tong, F., Irby, B.J., Lara-Alecio, R., Lin, S., & Min, Y. (2017, April). *Fidelity of implementation in a randomized control trial study: The effect of virtual professional development*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Tong, F., Irby, B., Lara-Alecio, R., Guerrero, C., Tang, S., & Lopez, T. (2017 April). *First grade bilingual teachers' pedagogical differences during ESL block in a randomized control trial study*. Paper presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- Tong, F., Irby, B., Tang, S., Lin, S., Guerrero, C., Lara-Alecio, R., & Lopez, T. (2017 April). *Indicators of inter-rater reliability for classroom observation instruments as fidelity of implementation in large-scale RCTs*. Paper presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- Lara-Alecio, R., Tong, F., Irby, B., Guerrero, C., Lopez, T., Tang, S., & Lin, S. (2017 April). *Instructional intervention and bilingual students' English achievement: A randomized controlled trial in School*. Paper presented at the annual meeting of American Educational Research Association, San Antonio, TX.
- Lara-Alecio, R., Irby, B. J., Tong, F., Lopez, T., & Guerrero, C. (2016, April). *Teachers' perception of virtual professional development in a randomized control trial*. Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.
- Tong, F., Irby, B. J., Lara-Alecio, R., Guerrero, C., Tang, S., & Lopez, T. (2016, April). *Second grade bilingual teachers' pedagogical differences during ESL block in a randomized control trial study*. Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.
- Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., Lopez, T., Corcoran, R., & Ross, S. (2016, April). *Using technology to facilitate scalability in a randomized control trial validation study*. Paper presented at the meeting of the American Educational Research Association, Washington, D.C.

- Irby, B. J., Tong, F., Lara-Alecio, R., Guerrero, C., Lopez, T., Corcoran, R., Ross, S., Cheung, A., & Slavin, R. (2016, April). *Evaluating instructional intervention in promoting students' English development and science learning in an urban district*. Paper presented at the meeting of the American Educational Research Association, Washington, D.C.
- Lara-Alecio, R., Tong, F., Irby, B. J., Guerrero, C., Lopez, T., Lai, H. C., & Jimenez, D. (2015, April). *Third grade bilingual teachers' pedagogical differences during ESL block in a randomized control trial study*. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.
- Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., & Fan, Y. (2014, April). *Computer assisted English language learning environments in Costa Rican elementary schools: An experimental study*. Paper presented at the annual meeting of American Educational Research Association, Philadelphia, PA.
- Irby, B. J., Lara-Alecio, R., Tong, F., Fan, Y., & Guerrero, C. (2014, April). *Teachers' pedagogical practices in grade three English classes in the United States and Costa Rica*. Paper presented at the annual meeting of American Educational Research Association, Philadelphia, PA.
- Tong, F., Irby, B. J., Lara-Alecio, R., & Guerrero, C. (2014, April). *The impact of small group direct instruction on second grade Hispanic females struggling in reading*. Paper presented at the annual meeting of American Educational Research Association, Philadelphia, PA.
- Lara-Alecio, R., Tong, F., Irby, B. J., & Guerrero, C. (2014, April). *Validating innovations in schools: From English Language and Literacy Acquisition (ELLA) to ELLA-V*. Poster session presented at the annual meeting of American Educational Research Association, Philadelphia, PA.
- Guerrero, C., Tong, F., Irby, B. J., & Lara-Alecio, R. (2013, October). *Longitudinal intervention integrating literacy and science for fifth grade Hispanic current and former English learners*. Paper presented at the annual meeting of Texas Association of Bilingual Education, Houston, Texas.
- Irby, B. J., Lara-Alecio, R., Tong, F., & Guerrero, C. (2013, May). *How professional development can shape teachers' pedagogical delivery of science and language teaching in middle school classrooms with English language learners (ELLs) and English-speaking minority students*. Symposium presented at the annual meeting of National Association for Research in Science Teaching, Puerto Rico.

Tong, F., Irby, B. J., Lara-Alecio, R., Guerrero, C., & Fan, Y. (2013, April). *Longitudinal findings of a literacy-integrated science intervention on middle school low-SES English learners and native English speakers – An Evaluation of a randomized trial study in school*. Paper presented at the annual meeting of American Educational Research Association, San Francisco, California.

Tong, F., Irby, B. J., Lara-Alecio, R., & Guerrero, C. (2013, February). *A two-year randomized literacy-integrated science intervention with middle school Spanish-speaking English learners and English speakers*. Paper presented at the annual meeting of National Association of Bilingual Education, Orlando, Florida.

Guerrero, C., Lara-Alecio, R., Irby, B. J., & Tong, F. (2012, October). *Middle school science for English language learners (Project MSSELL): Integrating science software and supplemental leveled questions to increase science achievement of second language learners*. Paper presented at the annual meeting of Texas Association of Bilingual Education, San Antonio, Texas.

Tong, F., Lara-Alecio, R., Irby, B. J., Guerrero, C., Fan, Y., Huerta, M., Xu, S. (2012, April). *Preliminary findings from a randomized literacy-integrated science intervention among low-SES minority middle school students*. Paper presented at the annual meeting of American Educational Research Association, Vancouver, British Columbia, Canada.

Lara-Alecio, R., Irby, B.J., Tong, F., Guerrero, C., & Rodriguez, L. (2011, April). *Learning academic science language among intermediate English learners*. Paper presented at the annual meeting of American Educational Research Association, New Orleans, LA.

Lara-Alecio, R., Irby, B., Tong, F., Rodriguez, L., Guerrero, C. (2011, April). *Middle school science for English language and literacy acquisition (MSSELL): A randomized trial longitudinal discovery research K-12 (DR-K12) study*. Paper discussion presented at the annual meeting of American Educational Research Association, New Orleans, LA.

Lara-Alecio, R., Irby, B., Tong, F., & Guerrero, C. (2011, February). *Promoting bilingualism and biliteracy: Programmatic difference between one-way dual language and transitional bilingual programs*. Paper presented at the annual meeting of National Association of Bilingual Education, New Orleans, LA.

Guerrero, C., Tong, F., Lara-Alecio, R., & Irby, B. J. (2010, April). *Spanish-speaking English learners' performance on high-stakes reading assessment*. Paper discussion presented at the symposium of annual meeting of American Educational Research Association, Denver, CO.

- Guerrero, C., Tong, F., Lara-Alecio, R., & Irby, B. (2010, February). *Promoting bilingualism and biliteracy: Programmatic difference between one-way dual language and transitional bilingual programs*. Paper presented at the annual meeting of National Association of Bilingual Education, Denver, CO.
- Guerrero, C., Tong, F., Lara-Alecio, R., & Irby, B. J. (2009, October). *Spanish-Speaking English learners' performance on a high-stakes reading assessment*. Paper presented at the annual meeting of Texas Association of Bilingual Education, Houston, TX.
- Tong, F., Lara-Alecio, R., Irby, B. J., Guerrero, C. (2009, April). *Promoting bilingualism and biliteracy: A four-year longitudinal comparison between one-way dual-language and transitional bilingual models*. Paper presented at the annual meeting of American Educational Research Association, San Diego, CA.
- Tong, F., Irby, B. J., Lara-Alecio, R., Guerrero, C. (2009, April). *Gender differences on English language/literacy acquisition among Hispanic second language learners*. Paper presented at the annual meeting of American Educational Research Association, San Diego, CA.
- Guerrero, C., Tong, F., Lara-Alecio, R., & Irby, B. (2009, February). *Promoting bilingualism and biliteracy: Programmatic difference between one-way dual language and transitional bilingual programs*. Paper presented at the annual meeting of National Association of Bilingual Education, Tampa, FL.
- Irby, B., Lara-Alecio, R., Tong, F., Rodriguez, L., Guerrero, C. (2009, February). *One-way developmental dual language model: Practical application of scientifically-based research components*. Paper presented at the Dual Language Immersion SIG Pre-conference of annual meeting of National Association of Bilingual Education, Austin, TX
- Tong, F., Lara-Alecio, R., Irby, B., Mathes, P., Nie, Y., Guerrero, C., & Cox, K. (2008, March). *Gender differences on English language/literacy acquisition among Hispanic second language learners*. Paper discussion at the annual meeting of American Educational Research Association, New York, NY.
- Cox, K., Tong, F., Guerrero, C., Lara-Alecio, R., Irby, B., & Mathes, P. (2007, October). *Empowering struggling readers: The impact of small group direct instruction on second grade Hispanic females*. Paper presented at the annual meeting of Research on Women Education, San Antonio, TX.
- Cox, K., Tong, F., Guerrero, C., Lara-Alecio, R., Irby, B., & Mathes, P. (2007, October). *Empowering 2nd grade struggling readers: a small group English reading intervention*. Paper presented at the annual meeting of Texas Association of Bilingual Education, San Antonio, TX.

Lara-Alecio, R., Tong, F., Irby, B., Rodríguez, L., Quiros, A., Guerrero, C., & Cox, K. (2007, April). *Using an observation protocol in bilingual and ESL classrooms in Institute for Education Science-funded research*. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL.

Invited Local, National, and International Presentations

Guerrero, C. & Sutton-Jones, K. (2022, April). *Getting started in grant writing*. Presented at Paths to Publications. (Online)

Irby, B. J., & Guerrero, C. (2022, March). EIR matching funds overview & tips webinar.

Guerrero, C. (2021, July). *Story retell and higher-order thinking for English language and literacy acquisition*. Presented at Frog Street's Early Childhood Education Conference, Dallas.

Guerrero, C. (2021, March). *Facilitating grant implementation*. Presented at Paths to Publications. (Online)

Guerrero, C. (2021, February). *Reading's impact on learning science*. Presented at the College of Education and Human Development's Voices of Impact Speaker Series.

Guerrero, C., Pashmforoosh, R., Abdelrahman, N., Singer, E., Vargas, M., Choron, V., & Sutton-Jones, K. L. (2021, November). *Implementing virtual mentoring and coaching within large-scale projects: A panel discussion*. Presented at the Cambodia International Conference on Mentoring Educators. (Online)

Guerrero, C., & Granados-Aguilar, R. (2021, November). *Scientists as Role Models and Mentors*. Presented at the Cambodia International Conference on Mentoring Educators. (Online)

Granados-Aguilar, R., & Guerrero, C. (2021, November). *Mentoring families to engage in family involvement in science (FIS)*. Presented at the Cambodia International Conference on Mentoring Educators. (Online)

Fleming, K., & Guerrero, C. (2019). *Content reading in science for English language and literacy acquisition (CRISELLA)*. Dual Language and Literacy Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Guerrero, C. (2019). *Research-based instructional strategies embedded in LISTO*. Literacy- Infused Science Using Technology Opportunities Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Guerrero, C. (2019). *Instructional leaders invested in the LISTO classroom*. Literacy-Infused Science Using Technology Opportunities Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Guerrero, C. (2019). *Early interventions in reading*. Dual Language and Literacy Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Guerrero, C. (2019). *Story-telling and higher-order thinking for English language and literacy acquisition (STELLA)*. Dual Language and Literacy Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Guerrero, C. (2019). *Let's talk science (LTS)*. Dual Language and Literacy Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Irby, B.J., Lara-Alecio, R., Tong, F., Guerrero, C., Pathikonda, S., & Etchells, M. (2019). *Artificial intelligence to augment personalized mentoring and coaching in education*. Texas A&M Institute of Data Science.

Lara-Alecio, R., Irby, B.J., Tong, F., & Guerrero, C. (2019). *Literacy-infused science using technology opportunities (LISTO)*. Borlaug Institute for International Agriculture, Texas A&M University.

Tong, F., Lara-Alecio, R., Irby, B. J., Guerrero, C., & Pathikonda, S. (2019). *Literacy-infused science using technology innovation opportunity: Project LISTO first two years of data*. Dual Language and Literacy Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., & Pathikonda, S. (2018). *Literacy-infused science using technology innovation opportunity: Project LISTO*. Dual Language and Literacy Institute, Center for Research and Development in Dual Language and Literacy Acquisition (CRDLLA), Texas A&M University.

Lara-Alecio, R., Irby, B., J, Tong, F., Guerrero, C., & Rivera, H. (2018). *A bouquet of research on English learners*. Texas A&M Hispanic Network Summit, College Station, TX.

Guerrero, C., Cajiao-Wingenbach, L., Pashmforoosh, R., Tang, S., Eljaouhari, N., Ireland, S., Lara-Alecio, R., Irby, B. J., & Tong, F., (2017, October). *Enhancing graduate students' knowledge and skills through project English language and literacy acquisition-validation (ELLA-V)* --- Graduate Student Research Panel. Literacy Study Group, TAMU.

- Guerrero, C., Cajiao-Wingenbach, L., Pashmforoosh, R., Tang, S., Eljaouhari, N., Ireland, S., Lara-Alecio, R., Irby, B. J., & Tong, F., (2017, October). *Project English language and literacy acquisition - Validation (ELLA-V)*. Center for Research and Development in Dual Language and Literacy Acquisition, TAMU.
- Lara-Alecio, R., Irby, B. J., Tong, F., & Guerrero, C. (2016, November). *English Language and Literacy Acquisition – Validation: 1st grade findings*. Invited presentation sponsored by Center for Research and Development in Dual Language and Literacy Acquisition, TAMU.
- Lara-Alecio, R., Irby, B. J., Tong, F., & Guerrero, C. (2016, April). *English Language and Literacy Acquisition – Validation: RCT District Highlights*. Invited presentation at Dean’s Development Council, CEHD, TAMU
- Lara-Alecio, R., Irby, B. J., Tong, F., & Guerrero, C. (2016, April). *English Language and Literacy Acquisition – Validation: RCT District Highlights*. Invited presentation sponsored by Center for Research and Development in Dual Language and Literacy Acquisition, TAMU.
- Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., & Lopez, T. (2016, March). *Project English Language and Literacy Acquisition – Validation (ELLA-V): Using virtual training, observations, and coaching to support teachers’ English instruction of elementary bilingual students*. Invited webinar presentation for i3 community.
- Lara-Alecio, R., Irby, B. J., Tong, F., Guerrero, C., & Lopez, T. (2014, June). *Fostering engagement in the online platform and strategies to overcome the tech-hesitant*. Invited presentation at the i3 project directors meeting, Washington D.C.
- Lara-Alecio, R., & Irby, B. J., Tong, F., & Guerrero, C., & Lopez, T. (2014, June). *Sustainability and scalability for Project ELLA-V*. Invited presentation at the i3 project directors meeting, Washington D.C.
- Lara-Alecio, R., & Irby, B. J., & Tong, F., & Guerrero, C. (2013, September). *Validating what works: from project ELLA to project ELLA-V*. Invited presentation at the Education Research Center at Texas A&M University, College Station, TX.
- Lara-Alecio, R., & Irby, B. J., Tong, F., & Guerrero, C. (2013, May). *Validating what works: from ELLA to ELLA-V*. Invited presentation at the i3 project directors meeting, Washington D.C.
- Tong, F., Guerrero, C., Lara-Alecio, R., & Irby, B. J. (2013, May). *A bouquet of research for English language learners*. Invited presentation at the Harris County Department of Education, Houston, TX.

Lara-Alecio, R., & Irby, B. J., Tong, F., & Guerrero, C. (2013, March). *Findings of project EILE- primary and secondary schools*. Invited presentation to the Multilingual Department of Education, San Jose, Costa Rica.

Lara-Alecio, R., & Irby, B. J., Tong, F., & Guerrero, C. (2012, June). *Middle school science for English language learners*. Invited presentation at the National Science Foundation annual meeting, Washington D.C.

Lara-Alecio, R., & Irby, B. J., Tong, F., & Guerrero, C. (2011, June). *Middle school science for English language learners*. Poster presentation at the National Science Foundation annual meeting, Washington D.C.

Lara-Alecio, R., Irby, B., Tong, F., Guerrero, C., & Mansfield, T. (2010). *Project MSSELL: Middle school science for English language learners*. NSF reverse site visit, Arlington, VA.

Lara-Alecio, R., Irby, B., Tong, F., Guerrero, C. (2009). *Experimental investigations of instruction and the language of instruction with Spanish-speaking English-language learners*. Fourth Annual IES Research Conference, Washington D.C.

Lara-Alecio, R., Irby, B., Mathes, P., Rodríguez, L., Guerrero, C., Quiros, A., Tong, F. (2006, October). *Project ELLA: English language and literacy acquisition*. Fifth Annual Celebrate Our Rising Stars Summit, hosted by the Office of English Language Acquisition, Language Enhancement, and Academic Achievement for Limited English Proficient Students (OELA) of the U.S. Department of Education, Washington, DC.

TEACHING

Texas A&M University (graduate courses)

BIED 616. Spanish for bilingual and dual language classrooms

Semesters: Summer 2021, Summer 2022

EDCI 611. Teaching English as a second language

Semester: Summer 2020

EXTERNAL SERVICE

Service to Professional Organizations

2022 Officer, Classroom Observation SIG, American Education Research Association (AERA)

Memberships

American Educational Research Association (AERA) since 2006

Division C: Learning and Instruction

Division K - Teaching and Teacher Education

SIGs: Classroom Observation, Bilingual Education and Research

SPECIALIZED TRAINING AND CERTIFICATIONS

Becoming an antiracist educator series, Virginia Commonwealth University. Spring 2021

IRB workshop, College of Education and Human Development, Texas A&M University. March 2015

Teacher certification, Grades 1-6 Elementary Self-Contained Certified Teacher, Texas

Teacher certification, English as a Second Language Supplemental, Texas

Teacher certification, Early Childhood Supplemental, Texas