

**Science 20/20 Professional Publications & Presentations**  
(Updated 01/28/2022)

**Publications**

Zemba-Saul, C., Bose, F.N., (BOOK CHAPTER)

Bose, F. N., Lynch, M. E., & Lee, M. (in review). Affordances of Overlooked Digital Technologies in Developing Teacher Candidates' Equity Pedagogies.

Lynch, M. E., Cody, J. L., & Lee, M. (in press). Too loud to learn. In D. Tippins, S. Jeong, & L. Bryan (Eds.), *Cases in Science Teaching and Learning: Exploring Complexities, Promises and Dilemmas*(pp.). Springer.

Bose, F. N., Lynch, M. E., & Zemba-Saul, C. (2021). STEM tasks need STEM Talk: Lessons learned from an after-school enrichment program with multilingual children. *Science and Children*, 59(2). p. 38-44. <https://www.nsta.org/science-and-children/science-and-children-novemberdecember-2021/stem-education-needs-stem-talk>

Zimmerman, L. & Brown, M. (March/April 2021). *Crossing linguistic and cultural boundaries: Three ways to engage emergent bilingual families through science*. *Science and Children*, 58(4), 47-52.

Zemba-Saul, C., Carlone, H., & Brown, M. (2020). *Flipping the script: Towards a possibility-centric approach to elementary teacher education in science*. In D. Stroup, K. Hammerness, & S. McDonald (Eds.), *Preparing Science Teachers Through Practice-Based Teacher Education* (p. 117-132). Cambridge: Harvard Education Press.

Hopkins, M., Zemba-Saul, C., Lee, M. and Cody, J. (2019). *Starting small: Creating a supportive context for professional learning that fosters emergent bilingual children's sensemaking in elementary science*. In Davis, Zemba-Saul and Kademian (Eds), *Supporting Teacher Learning for Sensemaking in Elementary Science*. Routledge.

**Upcoming Conferences:** (Chronological Order of Conference)

Lee, M.H., (accepted. 2022, February 11-16). *COVID-19 school closures: Working through ambiguity and the emergence of agency* [Roundtable presentation]. Association of Teacher Educators, Chicago, IL, United States. <https://www.ate1.org>

Bose, F. N., Brown, M., Cody, J., Lee, M., Lynch, M., Zemba-Saul, C. (accepted for 2022, March). *Translanguaging Pedagogy in Elementary Science & Engineering: Pre-Service Teachers Negotiating an Equity-Oriented Pedagogy of Making*. Presentation for the American Association of Applied Linguistics, Pittsburgh, PA. United States.

Bose, F.N., Garcia, S., Russell, A. Sirles, C., Schultz, N., Urbanski, M. (accepted for 2022, March). Learning with Digital Technologies: Supporting Bi/Multilingual Children's Engineering Practices. Presentation for the TESOL International Convention, Pittsburgh, PA. United States.

Bose, F.N., Garcia, S., Russell, A. Sirles, C., Schultz, N., Urbanski, M. (accepted for 2022, March). Digital Technologies to Support Bi/Multilingual Children in Engineering Practices. Presentation for the TESOL International Convention, Pittsburgh, PA. United States.

Lee, M.H, Lynch, M.E., Cody, J., Zembal-Saul, C., Frumkin, C., Franzosa, A., & Molli, S. (accepted for 2022, March). *STEM with me: Family engagement integrating language and science* [Conference session]. TESOL International Convention, Pittsburgh, PA, United States.  
<https://www.tesol.org/attend-and-learn/international-convention>

Cody, J., Lee, M.H., Lynch, M.E., Zembal-Saul, C. (accepted for 2022, March). *STEM with me: The development of an integrated engineering and math family engagement program* [Conference session]. National Science Teacher Association, Houston, TX, United States.  
<https://my.nsta.org>

Zimmerman, L., & Brown, M.N. (accepted for 2022, March). *Storying a nature storyline to include student and family knowing and Indigenous knowledge*. [Paper presentation]. National Science Teacher Association, Houston, TX, United States. <https://my.nsta.org>

Zembal-Saul, C., Lee, M.H., Cody, J., & Brown, M.N. (accepted for 2022, March). *Storylines and science sensemaking: Expanding formative assessment with Emergent Multilingual students*. [Paper presentation]. National Science Teacher Association, Houston, TX, United States. <https://my.nsta.org>

Brown, M.N. (accepted for 2022, March). *Reconsidering touch in an elementary science sensemaking space* [Paper presentation]. National Association for Research in Science Teaching, Vancouver, BC, Canada. <https://narst.org/conferences/2022-annual-conference>

Brown, M.N., Bose, F.N., Zembal-Saul, C., Lee, M.H., Lynch, M., Cody, J. (accepted for 2022, April). *Interrogating white teacher/researcher deficit perspectives of Latine families: Insights from a critical discourse analysis* [Paper presentation]. American Educational Research Association, San Diego, CA, United States.  
<https://www.aera.net/Events-Meetings/Annual-Meeting>

Lee, M.H., (accepted for 2022, April). *Supporting Teacher Candidates' Learning in a Nascent Immigrant Community* [Paper presentation]. American Educational Research Association, San Diego, CA, United States.  
<https://www.aera.net/Events-Meetings/Annual-Meeting>

Zemal-Saul, C., Carlone, H., Brown, M.N. (accepted for 2022, April) *Equity in elementary science teaching and learning*. [Symposium presentation]. American Educational Research Association, San Diego, CA, United States.  
<https://www.aera.net/Events-Meetings/Annual-Meeting>

Bose, F. N., Brown, M., Cody, J., Lee, M., Lynch, M., Zemal-Saul, C. (submitted for 2022, June). Language in a Hybrid Makerspace: Teacher Candidates negotiating an Equity-Oriented Pedagogy of Making with Bi/Multilingual Children. Presentation for the Reconceptualizing Early Childhood Education Hybrid conference, Vancouver, British Columbia, Canada.

### **Completed Conferences**

Brown, M. N., Zemal-Saul, C., & Bose, F. N. (2021, April 7-10). *Sounds of science sensemaking: Interrogating the norms of learning spaces with acoustemology and critical frames* [Paper presentation]. National Association for Research in Science Teaching, Virtual. <https://narst.org/conferences/2021-annual-conference>.

Brown, M.N. (2021, November 13-14). *Can I do this with video-cued ethnography? Troubling theory, intentions, and positionality* [Poster presentation]. Learning Sciences Graduate Student Conference, virtual. [www.lsgsc.org](http://www.lsgsc.org)

Brown, M.N., Zemal-Saul, C., Bose, F.N. (2021, April 7-10). *Sounds of science sensemaking: Interrogating the norms of learning spaces with acoustemology and critical frames* [Paper presentation]. National Association for Research in Science Teaching, Virtual. <https://narst.org/conferences/2021-annual-conference>

Zimmerman, L., & Brown, M.N. (2021, April 8-12). *Beyond the member check: How collaborative ethnography expands theories and practices of family engagement*. [Paper presentation]. American Educational Research Association, Virtual.  
<https://www.aera.net/Events-Meetings/Annual-Meeting/2021-Annual-Meeting-Theme>

Bose, F. N., Brown, M., Cody, J., Lee, M. H., Lynch, M.E., (2021, February 16). *Bringing Emergent Bilingual Children and their Families into Focus through Asset-Aligned Science and Language Practices: A Community-School-University Professional Learning Partnership*. Symposium accepted for presentation at the 2021 Association of Teacher Educators Annual Meeting, Virtual Meeting.

Brown, M.N. (2020, November 13-15). *Exploring methods in acoustemology: Sonification of two classroom soundscapes*. [Demonstration]. Learning Sciences Graduate Student Conference, Evanston, IL, United States. [www.lsgsc.org](http://www.lsgsc.org).

Brown, M.N. (2020, March 15-18). *Interrupting deficit perspectives with elementary teachers in a Latinx community: Reflection from a collaborative ethnography*. [Paper presentation]. National Association for Research in Science Teaching, Virtual.  
<https://narst.org/conferences/2020-annual-conference>

Zemal-Saul, C., Lee, M.H., Cody, J., Bose, F.N. (2019, October 26). *Iteratively mapping collaboration in a new immigrant destination: A school-university-community professional learning initiative*. [Poster presentation]. US Department of Education Office of English Language Acquisition 2020 Directors Meeting, Virtual.

Brown, M. N., Zemal-Saul, C., Lee, M.H., & Cody, J.L. (2019, September 20-22). *Con vs. contra: Reconsidering collaboration and context with emergent bilingual families and elementary science teachers in a new immigrant community* [Poster presentation]. Learning Sciences Graduate Student Conference, Evanston, IL, United States. [www.lsgsc.org](http://www.lsgsc.org).

Zimmerman, L., Capozzelli, M., & Brown, M.N. (2019, April 28-May 2). *Eliciting funds of knowledge through sustained family engagement: First and next steps in the Science 20/20 Project*. [Paper presentation] National Summit for Educational Equity, Washington D.C., United States, <https://napesummit.org>.