

CURRICULUM VITAE

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PERSONAL INFORMATION

Birthplace: Daegu, South Korea
Citizenship: U.S. citizen

EDUCATION

1984-1989 Michigan State University.
Ph.D. in Educational Psychology with an emphasis on learning and cognition (Academic Advisor: Andrew C. Porter).
Dissertation: Motivation to learn science in middle school science classrooms (Dissertation Director: Charles W. Anderson).

1981-1983 Kyungpook National University, South Korea.
M.A. in Education with an emphasis on educational psychology and instructional design.

1977-1981 Kyungpook National University, South Korea.
B.A. in English Language.
Teaching Certificate – Teaching English as a Foreign Language (TEFL) in secondary school.

POSITIONS

2011-present Professor, Department of Teaching and Learning, Steinhardt School of Culture, Education, and Human Development, New York University.

2011-present Professor Emeritus, Department of Teaching and Learning, School of Education, University of Miami.

2000-2011 Professor, Department of Teaching and Learning, School of Education, University of Miami.

1997-2000 Associate Professor, Department of Teaching and Learning, School of Education, University of Miami.

- 1993-1997 Assistant Professor, Department of Teaching and Learning, School of Education, University of Miami.
- 1992-1993 Adjunct Assistant Professor, Department of Teaching and Learning, School of Education, University of Miami.
- 1990-1992 Research Associate, Department of Teaching and Learning, School of Education, University of Miami.
- 1990-1991 Director of Undergraduate Advising, School of Education, University of Miami.
- 1989-1990 Lecturer, Department of Teaching and Learning, School of Education, University of Miami.
- 1989 Adjunct Instructor, Department of Psychology and Education, Miami-Dade Community College.
- 1983-1984 Adjunct Instructor, Teachers' College and College of Music and Visual Arts, Kyungpook National University, Daegu, South Korea.
- 1983 Adjunct Instructor, College of Elementary Teacher Education, Daegu, South Korea.
- 1983 Adjunct Instructor, College of Home Economics, Daegu, South Korea.

ADMINISTRATIVE DUTIES

- 2011-2013 Coordinator, Childhood and Early Childhood for Undergraduate and Master's Programs, Department of Teaching and Learning, Steinhardt School of Culture, Education, and Human Development, New York University.
- 2008-2010 Committee Chair, Undergraduate Elementary Education Committee, Department of Teaching and Learning, School of Education, University of Miami.
- 1990-1991 Director of Undergraduate Advising, School of Education, University of Miami.
Advised undergraduate students in the teacher education programs and represented the School of Education at various university activities and meetings regarding student advisement, recruitment, and retention.

REFEREED JOURNAL ARTICLES

102. Lee, O. (2017). Common Core State Standards for ELA/literacy and Next Generation Science Standards: Convergences and discrepancies using argument as an example. *Educational Researcher*, 46(2), 90-102.

Note: See the *EdWeek* blog on this article:

http://blogs.edweek.org/edweek/curriculum/2017/04/science_standards_common_core.html

101. Diamond, B., Maerten-Rivera, J., & Lee, O. (2017). Effects of a multi-year curricular and professional development intervention on elementary teachers' science content knowledge. *Florida Educational Research Journal*, 55(2).
100. Lee, O., Llosa, L., Jiang, F., Haas, A., O'Connor, C., & Van Booven, C. (2016). Teachers' science knowledge and practices with English language learners. *Journal of Research in Science Teaching*, 53(4), 579-597.
99. Lee, O., Llosa, L., Jiang, F., O'Connor, C., & Haas, A. (2016). School resources in teaching science to diverse student groups: An intervention's effect on elementary teachers' perceptions. *Journal of Science Teacher Education*, 27(7), 769-794.
98. Caswell, L., Martinez, A., Lee, O., Berns, B., & Rhodes, H. (2016). Science and mathematics education with English language learners: Analysis of National Science Foundation Discovery Research K-12 funded projects and the broader fields. *Teachers College Record*, 118(5), 1-48.
97. Maerten-Rivera, J., Ahn, S., Lanier, K., Diaz, J., & Lee, O. (2016). Effect of a multiyear intervention on science achievement of all students including English language learners. *The Elementary School Journal*, 116(4), 600-623.
96. Llosa, L., Lee, O., Jiang, F., Haas, A., O'Connor, C., Van Booven, C. D., & Kieffer, M. (2016). Impact of a large-scale science intervention focused on English language learners. *American Educational Research Journal*, 53(2), 395-424.
95. Januszyk, R., Miller, E., & Lee, O. (2016). Addressing student diversity and equity. *Science Scope*, 39(8), 16-19.
94. Maerten-Rivera, J., Huggins, A. C., Adamson, K., Lee, O., & Llosa, L. (2015). Development and validation of a measure for elementary teachers' science content knowledge in two multiyear teacher professional development intervention projects. *Journal of Research in Science Teaching*, 52(3), 371-396.
93. Haas, A., Hollimon, S., & Lee, O. (2015). Science classroom assessment guide to analyze students' written responses. *Science and Children*, 53(3), 73-77.
92. Miller, E., Januszyk, R., & Lee, O. (2015). NGSS in action: Students explore patterns in the Earth's surface in this case study of English language learners. *Science and Children*, 53(2), 64-70.
91. Miller, E., Januszyk, R., & Lee, O. (2015). Engineering progressions in the NGSS diversity and equity case studies. *Science Scope*, 38(9), 27-30.

90. Llosa, L., Van Booven, C., & **Lee, O.** (2015). Teaching content standards to English language learners: Elementary science teachers' use of language development strategies and students' home language. *NYS TESOL Journal*, 2(2), 6-19.
89. Buxton, C. A., Salinas, A., Mahotiere, M., **Lee, O.**, & Secada, W. G. (2015). Re-visioning fourth grade English language learners' scientific reasoning complexity, scientific inquiry practices, and science content knowledge. *Teachers College Record*, 117(2), 1-36.
88. Januszyk, R., Miller, E., & **Lee, O.** (2014). NGSS Appendix D and case studies on diverse student groups: Economically disadvantaged students developing conceptual models. *Science Scope*, 38(4), 6-11.
87. **Lee, O.**, Miller, E., & Januszyk, R. (2014). Next Generation Science Standards: All standards, all students. *Journal of Science Teacher Education*, 25(2), 223-233.
86. Turkan, S., De Oliveira, L. C., **Lee, O.**, & Phelps, G. (2014). Proposing the knowledge base for teaching academic content to English language learners: Disciplinary linguistic knowledge. *Teachers College Record*, 116(3), 1-30.
85. Maerten-Rivera, J., Myers, N., & **Lee, O.** (2014). Studying longitudinal change in teacher practices using the multilevel model and latent growth model with an examination of alternative covariance structures. *International Journal of Quantitative Research in Education*, 2(2), 89-112.
84. Buxton, C. A., & **Lee, O.** (2014). English language learners in science education. In N. G. Lederman & S. K. Abell (Eds.), *Handbook of research in science education* (2nd ed., pp. 204-222). Mahwah, NJ: Erlbaum.
83. Cone, N., Buxton, C. A., Mahotiere, M., & **Lee, O.** (2014). Negotiating a sense of identity in a foreign land: Navigating public school structures and practices that often conflict with Haitian culture and values. *Urban Education*, 39(2), 125-148.
82. Diamond, B. S., Maerten-Rivera, J., Rohrer, R. E., & **Lee, O.** (2014). Effectiveness of curricular and professional development intervention on elementary teachers' science content knowledge and student achievement outcomes: Year 1 results. *Journal of Research in Science Teaching*, 51, 635-658.
81. **Lee, O.**, Quinn, H., & Valdés, G. (2013). Science and language for English language learners in relation to Next Generation Science Standards and with implications for Common Core State Standards for English language arts and mathematics. *Educational Researcher*, 42(4), 223-233.
80. **Lee, O.**, & Buxton, C. A. (2013). Teacher professional development to improve science and literacy achievement of English language learners. *Theory Into Practice*, 52(2), 110-117.

79. **Lee, O.**, & Buxton, C. A. (2013). Integrating science learning and English language development for English language learners. *Theory Into Practice*, 52(1), 36-42.
78. Adamson, K., Santau, A., & **Lee, O.** (2013). The impact of professional development on elementary teachers' strategies for teaching science with diverse student groups in urban elementary schools. *Journal of Science Teacher Education*, 24(3), 553-571.
77. Buxton, C. A., Salinas, A., Mahotiere, M., **Lee, O.**, & Secada, W. G. (2013). Leveraging cultural resources through teacher pedagogical reasoning: Elementary grade teachers analyze second language learners' science problem solving. *Teaching and Teacher Education: An International Journal of Research and Studies*, 32(1), 31-42.
76. Diamond, B. S., Maerten-Rivera, J., Rohrer, R., & **Lee, O.** (2013). Elementary teachers' science content knowledge: Relationships among multiple measures. *Florida Journal of Educational Research*, 51. Retrieved from <http://feraonline.org/fjer/publications.htm>
75. **Lee, O.**, & Maerten-Rivera, J. (2012). Teacher change in elementary science instruction with English language learners: Results of a multi-year professional development intervention across multiple grades. *Teachers College Record*, 114(8), 1-44.
74. Emdin, C., & **Lee, O.** (2012). Hip-hop, the "Obama effect," and urban science education. *Teachers College Record*, 114(2), 1-24.
73. **Lee, O.**, Penfield, R. D., & Buxton, C. A. (2011). Relationship between "form" and "content" in science writing among English language learners. *Teachers College Record*, 113(7), 1401-1434.
72. **Lee, O.**, & Buxton, C. A. (2011). Engaging culturally and linguistically diverse students in learning science. *Theory Into Practice*, 50(4), 277-284.
71. Adamson, K., Secada, W. G., Maerten-Rivera, J., & **Lee, O.** (2011). Measurement instruction in the context of scientific investigations. *School Science and Mathematics*, 111(6), 288-299.
70. Lewis, S., Maerten-Rivera, J., Adamson, K., & **Lee, O.** (2011). Urban third grade teachers' practices and perceptions in science instruction with English language learners. *School Science and Mathematics*, 111(4), 156-163.
69. Lewis, S., **Lee, O.**, Santau, A., & Cone, N. (2010). Student initiatives in urban elementary science classrooms. *School Science and Mathematics*, 110(3), 160-172.
68. Maerten-Rivera, J., Myers, N., **Lee, O.**, & Penfield, R. D. (2010). Student and school predictors of high-stakes assessment in science. *Science Education*, 94(6), 937-962.
67. Penfield, R. D., & **Lee, O.** (2010). Test-based accountability: Potential benefits and pitfalls of science assessment with student diversity. *Journal of Research in Science Teaching*, 47(1), 6-24.

66. Santau, A., Secada, W. G., Cone, N., Maerten-Rivera, J., & Lee, O. (2010). Urban elementary teachers' knowledge and practices: Relationships between science instruction and English language development. *International Journal of Science Education*, 32(15), 2007-2032.
65. Lee, O., Mahotiere, M., Salinas, A., Penfield, R. D., & Maerten-Rivera, J. (2009). Science writing achievement among English language learners: Results of three-year intervention in urban elementary schools. *Bilingual Research Journal*, 32(2), 153-167.
64. Lee, O., Penfield, R. D., & Maerten-Rivera, J. (2009). Effects of fidelity of implementation on science achievement gains among English language learners. *Journal of Research in Science Teaching*, 46(7), 836-859.
63. Lee, O., Maerten-Rivera, J., Buxton, C. A., Penfield, R. D., & Secada, W. G. (2009). Urban elementary teachers' perspectives on teaching science to English language learners. *Journal of Science Teacher Education*, 20(3), 263-286.
62. Kitchen, R. S., Roy, F. R., Lee, O., & Secada, W. G. (2009). Comparing teachers' conceptions of mathematics education and student diversity at highly effective and typical elementary schools. *Journal for Urban Mathematics Education*, 2(1), 52-80.
61. Maerten-Rivera, J., Penfield, R., Myers, N., Lee, O., & Buxton, C. A. (2009). School and teacher predictors of science instruction practices with English language learners in urban elementary schools. *Journal of Women and Minorities in Science and Engineering*, 15(2), 93-118.
60. Penfield, R. D., Alvarez, K., & Lee, O. (2009). Using a taxonomy of differential step functioning form to improve the interpretation of DIF in polytomous items. *Applied Measurement in Education*, 22(1), 61-78.
59. Bessell, A. G., Burke, M. C., Plaza, M. P., Lee, O., & Schumm, J. S. (2008). The educational reform rating rubric: Example of a new tool for evaluating complex school reform initiatives. *Field Methods*, 20(3), 283-295.
58. Buxton, C. A., Lee, O., & Mahotiere, M. (2008). The role of language in academic and social transition of Haitian children and parents in urban U.S. schools. *Bilingual Research Journal*, 31, 47-74.
57. Buxton, C. A., Lee, O., & Santau, A. (2008). Promoting science among English language learners: Professional development for today's culturally and linguistically diverse classrooms. *Journal of Science Teacher Education*, 19(5), 495-511.
56. Luykx, A., Lee, O., & Edwards, U. (2008). Lost in translation: Negotiating meaning in a beginning ESOL science classroom. *Educational Policy*, 22(5), 640-674.

55. **Lee, O.**, & Buxton, C. A. (2008). Science curriculum and student diversity: A framework for equitable learning opportunities. *The Elementary School Journal*, *109*(2), 123-137.
54. **Lee, O.**, Adamson, K., Maerten-Rivera, J., Lewis, S., LeRoy, K., & Thornton, C. (2008). Teachers' perspectives on a professional development intervention to improve science instruction among English language learners. *Journal of Science Teacher Education*, *19*(1), 41-67.
53. **Lee, O.**, Lewis, S., Adamson, K., Maerten-Rivera, J., & Secada, W. G. (2008). Urban elementary school teachers' knowledge and practices in teaching science to English language learners. *Science Education*, *92*(4), 733-758.
52. **Lee, O.**, Maerten-Rivera, J., Penfield, R. D., LeRoy, K., & Secada, W. G. (2008). Science achievement of English language learners in urban elementary schools: Results of a first-year professional development intervention. *Journal of Research in Science Teaching*, *45*(1), 31-52.
51. **Lee, O.**, Deaktor, R., Enders, C., & Lambert, J. (2008). Impact of a multi-year professional development intervention on science achievement of culturally and linguistically diverse elementary students. *Journal of Research in Science Teaching*, *45*(6), 726-747.
50. **Lee, O.**, & Luykx, A. (2007). Science education and student diversity: Race/ethnicity, language, culture, and socioeconomic status. In S. K. Abell & N. G. Lederman (Eds.), *Handbook of research in science education* (1st ed., pp. 171-197). Mahwah, NJ: Erlbaum.
49. **Lee, O.**, Luykx, A., Buxton, C. A., & Shaver, A. (2007). The challenge of altering elementary school teachers' beliefs and practices regarding linguistic and cultural diversity in science instruction. *Journal of Research in Science Teaching*, *44*(9), 1269-1291.
48. **Lee, O.**, Lester, B., Li, M., Lambert, J., & Jean-Baptiste, M. (2007). Conceptions of the increased greenhouse effect and global warming among elementary students from diverse languages and cultures. *Journal of Geoscience Education*, *55*(2), 117-125.
47. Luykx, A., **Lee, O.**, Mahotiere, M., Lester, B., Hart, J., & Deaktor, R. (2007). Cultural and home language influence in elementary students' constructed responses on science assessments. *Teachers College Record*, *109*(4), 897-926.
46. Luykx, A., & **Lee, O.** (2007). Measuring instructional congruence in elementary science classrooms: Pedagogical and methodological components of a theoretical framework. *Journal of Research in Science Teaching*, *44*(3), 424-447.
45. Shaver, A., Cuevas, P., **Lee, O.**, & Avalos, M. (2007). Teachers' perceptions of policy influences on science instruction with culturally and linguistically diverse elementary students. *Journal of Research in Science Teaching*, *44*(5), 725-746.

44. **Lee, O.**, Buxton, C. A., Lewis, S., & LeRoy, K. (2006). Science inquiry and student diversity: Enhanced abilities and continuing difficulties after an instructional intervention. *Journal of Research in Science Teaching*, 43(7), 607-636.

Note: This article was selected by the National Science Teachers Association (NSTA) Committee on Research in Science Education as one of 10 articles from the past 10 years that were recommended for teachers to read.

43. Lester, B. T., Ma, L., **Lee, O.**, & Lambert, J. (2006). Social activism in elementary science education: An STS approach in teaching global warming. *International Journal of Science Education*, 28(4), 315-339.
42. Cuevas, P., **Lee, O.**, Hart, J., & Deaktor, R. (2005). Improving science inquiry with elementary students of diverse backgrounds. *Journal of Research in Science Teaching*, 42(3), 337-357.
41. **Lee, O.**, Deaktor, R. A., Hart, J. E., Cuevas, P., & Enders, C. (2005). An instructional intervention's impact on the science and literacy achievement of culturally and linguistically diverse elementary students. *Journal of Research in Science Teaching*, 42(8), 857-887.
40. **Lee, O.**, & Luykx, A. (2005). Dilemmas in scaling up innovations in science instruction with nonmainstream elementary students. *American Educational Research Journal*, 42(3), 411-438.
39. **Lee, O.** (2005). Science education and English language learners: Synthesis and research agenda. *Review of Educational Research*, 75(4), 491-530.
38. **Lee, O.** (2005). Science education and student diversity: Summary of synthesis and research agenda. *Journal of Education for Students Placed at Risk*, 10(4), 431-440.
37. **Lee, O.**, Hart, J., Cuevas, P., & Enders, C. (2004). Professional development in inquiry-based science for elementary teachers of diverse student groups. *Journal of Research in Science Teaching*, 41(10), 1021-1043.
36. **Lee, O.** (2004). Teacher change in beliefs and practices in science and literacy instruction with English language learners. *Journal of Research in Science Teaching*, 41(1), 65-93.
35. Hart, J., & **Lee, O.** (2003). Teacher professional development to improve science and literacy achievement of English language learners. *Bilingual Research Journal*, 27(3), 475-501.
34. **Lee, O.** (2003). Equity for culturally and linguistically diverse students in science education: A research agenda. *Teachers College Record*, 105(3), 465-489.

33. **Lee, O.**, & Avalos, M. (2002). Promoting science instruction and assessment for English language learners. *The Electronic Journal of Science Education*, 7(2).
32. **Lee, O.** (2002). Science inquiry for elementary students from diverse backgrounds. In W. G. Secada (Ed.), *Review of research in education* (Vol. 26, pp. 23-69). Washington, DC: American Educational Research Association.
31. Fradd, S. H., **Lee, O.**, Sutman, F. X., & Saxton, M. K. (2002). Materials development promoting science inquiry with English language learners: A case study. *Bilingual Research Journal*, 25(4), 479-501.
30. Thurmond, C. K., & **Lee, O.** (2000). Perceptions of scientific literacy and elementary teacher preparation held by science professors and science education professors. *Florida Journal of Educational Research*, 40(1), 5-27.
29. **Lee, O.**, & Paik, S. (2000). Conceptions of science achievement in major reform documents. *School Science and Mathematics*, 100(1), 16-26.
28. Paik, S., & **Lee, O.** (1999). Science achievement: Synthesis of current conceptions in major reform documents in the United States and Korea. *Elementary Science Education* (South Korea), 18(2), 1-19.
27. Westby, C., Dezale, J., Fradd, S. H., & **Lee, O.** (1999). Learning to do science: Influences of language and culture. *Communication Disorders Quarterly*, 21(1), 50-64.
26. **Lee, O.** (1999). Science knowledge, worldviews, and information sources in social and cultural contexts: Making sense after a natural disaster. *American Educational Research Journal*, 36(2), 187-219.
25. **Lee, O.** (1999). Equity implications based on the conceptions of science achievement in major reform documents. *Review of Educational Research*, 69(1), 83-115.
24. Fradd, S. H., & **Lee, O.** (1999). Teachers' roles in promoting science inquiry with students from diverse language backgrounds. *Educational Researcher*, 28(6), 14-20, 42.
23. Paik, S., & **Lee, O.** (1998). Analysis of the conceptions of science achievement in major reform documents in the United States and Korea. *Journal of the Korean Association for Research in Science Education*, 18(4), 571-587.
22. Fradd, S. H., & **Lee, O.** (1998). Development of a knowledge base for ESOL teacher education. *Teaching and Teacher Education*, 14(7), 761-773.
21. **Lee, O.**, & Fradd, S. H. (1998). Science for all, including students from non-English language backgrounds. *Educational Researcher*, 27(4), 12-21.
20. **Lee, O.** (1997). Diversity and equity for Asian American students in science education. *Science Education*, 81, 107-122.

19. Fradd, S. H., **Lee, O.**, Cabrera, P., del Rio, V., Leth, A., Morin, R., Ceballos, M., Santalla, M., Cross, L., & Mathieu, T. (1997). School-university partnership to promote science with students learning English. *TESOL Journal*, 7, 35-40.
18. Fradd, S. H., & **Lee, O.** (1997). Teachers' voices in program evaluation and improvement: A case study of a TESOL Program. *Teaching and Teacher Education*, 13(6), 563-577.
17. Anderson, C. W., & **Lee, O.** (1997). Task engagement and conceptual change in science classrooms: Will students take advantage of opportunities for meaningful science learning? *Phi Delta Kappan*, 78, 720-724.
16. Brett, A., **Lee, O.**, & Sorhaindo, L. (1997). Effect of field-based technology laboratory on preservice teachers' knowledge, attitudes, and infusion of technology. *Florida Journal of Educational Research*, 37(1), 1-16.
15. **Lee, O.**, & Fradd, S. H. (1996). The interplay among language, science knowledge, and cognitive strategy use with linguistically diverse students. *Journal of the New York State Association for Bilingual Education*, 11, 26-45.
14. **Lee, O.**, & Fradd, S. H. (1996). Interactional patterns of linguistically diverse students and teachers: Insights for promoting science learning. *Linguistics and Education: An International Research Journal*, 8, 269-297.
13. **Lee, O.**, & Fradd, S. H. (1996). Literacy skills in science performance among culturally and linguistically diverse students. *Science Education*, 80(6), 651-671.
12. **Lee, O.**, & Brophy, J. (1996). Motivational patterns observed in sixth-grade science classrooms. *Journal of Research in Science Teaching*, 33(3), 303-318.
11. **Lee, O.**, & Yarger, S. J. (1996). Modes of inquiry in research on teacher education. In J. Sikula, T. J. Buttery, & E. Guyton (Eds.), *Handbook of research on teacher education* (2nd ed., pp. 14-37). New York, NY: Macmillan.
10. **Lee, O.**, Fradd, S. H., & Sutman, F. X. (1995). Science knowledge and cognitive strategy use among culturally and linguistically diverse students. *Journal of Research in Science Teaching*, 32(8), 797-816.
9. Fradd, S. H., & **Lee, O.** (1995). Science for all: A promise or a pipe dream? *Bilingual Research Journal*, 19(2), 261-278.
8. **Lee, O.** (1995). Subject matter knowledge, classroom management, and instructional practices in middle school science classrooms. *Journal of Research in Science Teaching*, 32(4), 423-440.

7. Fradd, S. H., Burns-Hoffman, R., **Lee, O.**, & Evelyn, V. (1994). Action research and the professional development of ESOL teachers. *Gulf TESOL Journal*, 9, 23-28.
6. **Lee, O.**, & Anderson, C. W. (1993). Task engagement and conceptual change in middle school science classrooms. *American Educational Research Journal*, 30(3), 585-610.
5. **Lee, O.**, & Porter, A. C. (1993). A teacher's bounded rationality in middle school science. *Teaching and Teacher Education*, 9(4), 397-409.
4. **Lee, O.**, Eichinger, D., Anderson, C. W., Berkheimer, G. D., & Blakeslee, T. C. (1993). Changing middle school students' conceptions of matter and molecules. *Journal of Research in Science Teaching*, 30(3), 249-270.
3. McIntosh, R., Vaughn, S., Schumm J. S., Haager, D., & **Lee, O.** (1993). Observations of students with learning disabilities in general education classrooms: You don't bother me and I won't bother you. *Exceptional Children*, 60(3), 249-261.
2. Contreras, A., & **Lee, O.** (1990). Differential treatment of students by middle school science teachers: Unintended cultural bias. *Science Education*, 74(4), 433-444.
1. **Lee, O.**, & Porter, A. C. (1990). Bounded rationality in the classroom. *Educational Psychologist*, 25(2), 159-171.

EDITORIALS AND INVITED JOURNAL ARTICLES

22. **Lee, O.** (2017, March). Embracing new ways of teaching science and language with English learners. *Education Dive*. <http://www.educationdive.com/news/embracing-new-ways-of-teaching-science-and-language-with-english-learners/438251/>
21. Llosa, L., Kieffer, M. J., & **Lee, O.** (2016, September). *How can educational systems better serve English learners?* New York: New York University, Education Solution Initiative.
20. **Lee, O.** (2015, May). NGSS for all students [Web log post]. Retrieved from <http://nstacomunities.org/blog/2015/05/20/ngss-for-all-students/>
19. **Lee, O.**, & Llosa, L. (2015). How is the term academic language helpful? How is it imprecise? In G. Valdés, K. Menken, & M. Castro (Eds.), *Common Core bilingual and English language learners: A resource for educators* (pp. 54-55). Philadelphia, PA: Caslon Publishing.
18. **Lee, O.**, & Llosa, L. (2015). What are the language demands for science in the Next Generation Science Standards? In G. Valdés, K. Menken, & M. Castro (Eds.), *Common Core bilingual and English language learners: A resource for educators* (pp. 164-165). Philadelphia, PA: Caslon Publishing.

17. **Lee, O.**, Diaz, J., & Maerten-Rivera, J. (2014, Spring). Results from the Promoting Science among English Language Learners (P-SELL) project. *The FAST Journal: Florida Association of Science Teachers*, 17-18.
16. **Lee, O.** (2013). Teacher preparation and diversity in science and technology. In J. Banks (Ed.), *Encyclopedia of diversity in education*. Thousand Oaks, CA: Sage.
15. Buxton, C. A., & **Lee, O.** (2013). Introduction to theme issue on diversity and equity in science education. *Theory Into Practice*, 52(1), 1-5.
14. **Lee, O.**, & Krajcik, J. (2012). Large-scale interventions in science education for diverse student groups in varied educational settings. *Journal of Research in Science Teaching*, 49(3), 271-281.
13. **Lee, O.**, & Bianchini, J. (2012). Part I introduction: Science education policy. In J. A. Bianchini, V. L. Akerson, A. Calabrese Barton, **O. Lee**, & A. J. Rodriguez (Eds.), *Moving the equity agenda forward: Equity research, practice, and policy in science education* (pp. 1-3). New York, NY: Springer.
12. Rodriguez, A. J., & **Lee, O.** (2012). Part III introduction: Context and culture. In J. A. Bianchini, V. L. Akerson, A. Calabrese Barton, **O. Lee**, & A. J. Rodriguez (Ed.), *Moving the equity agenda forward: Equity research, practice, and policy in science education* (pp. 127-129). New York, NY: Springer.
11. **Lee, O.**, & Buxton, C. A. (2010, April). *Teaching science to English language learners. NSTA Reports!* Arlington, VA: National Science Teachers Association.
10. Buxton, C. A., **Lee, O.**, & Penfield, R. D. (2009/2010). Developing English literacy through science instruction. *The International Journal of Foreign Language Teaching*, 5(2), 11-14.
9. Buxton, C. A., & **Lee, O.** (2007). Bridging the divide between curriculum theory and practice for non-mainstream students in science education. *Journal of Curriculum and Pedagogy*, 4(1), 39-44.
8. Fraser-Abder, P., Atwater, M., & **Lee, O.** (2006). Research in urban science education: An essential journey. *Journal of Research in Science Teaching*, 43(7), 599-606.
7. Calabrese Barton, A., & **Lee, O.** (2006). NARST Equity and Ethics Committee: A call to action. *Journal of Research in Science Teaching*, 43(9), 875-878.
6. **Lee, O.**, & Luykx, A. (2003). Ecological education for students from non-mainstream backgrounds in the climate of accountability. *Frontiers in Ecology and the Environment*, 1(7), 384-385.
5. **Lee, O.**, & Avalos, M. (2003). Integrating science with English language development. *Southwest Educational Development Laboratory (SEDL) Letter*, XV(1), 21-28.

4. Bessell, A. G., Sinagub, J. M., **Lee, O.**, & Schumm, J. S. (2003). Engaging families with technology: South Florida's FamilyTech Program increases parental involvement, student success. *T.H.E. Journal*, 31(5), 7, 10-13.
3. **Lee, O.** (2001). Culture and language in science education: What do we know and what do we need to know? *Journal of Research in Science Teaching*, 38(5), 499-501.
2. **Lee, O.** (1997). Scientific literacy for all. *Journal of Research in Science Teaching*, 34, 219-222.
1. **Lee, O.** (1991). Author's response to Finkel's criticism. *Science Education*, 75(4), 491-492.

BOOKS

4. **Lee, O.**, Miller, E., & Januszyk, R. (Eds.). (2015). *NGSS for all students*. Arlington, VA: National Science Teachers Association.

Note: This book was supported by the Next Generation Science Standards at Achieve, Inc. and was a 2016 REVERE Awards finalist.

3. Bianchini, J. A., Akerson, V. L., Calabrese Barton, A., **Lee, O.**, & Rodriguez, A. J. (Eds.). (2012). *Moving the equity agenda forward: Equity research, practice, and policy in science education*. New York, NY: Springer.

Note: This book was supported by the National Association for Research in Science Teaching (NARST).

2. **Lee, O.**, & Buxton, C. A. (2010). *Diversity and equity in science education: Theory, research, and practice*. New York, NY: Teachers College Press.

Note: This book was part of *Multicultural Education Series* by James A. Bank, Series Editor.

1. **Lee, O.**, & Luykx, A. (2006). *Science education and student diversity: Synthesis and research agenda*. New York, NY: Cambridge University Press.

Note: This book project was supported by the Center for Research on Education, Diversity, and Excellence (CREDE) and the National Center for Improving Student Learning and Achievement (NCISLA) in Mathematics and Science.

BOOK CHAPTERS

26. **Lee, O.**, Grapin, S., & Haas, A. (in press). How science instructional shifts and language instructional shifts support each other for English learners: Talk in the science classroom. In A. Bailey, C. Maher, & L. Wilkinson (Eds.), *Language, literacy and learning in the STEM disciplines: How language counts for English learners*. New York, NY: Routledge.

25. **Lee, O.**, O'Connor, C., & Haas, A. (2017). Promoting science among English language learners (P-SELL) model: Curricular and professional development intervention in elementary science instruction with a focus on English language learners. In C. A. Buxton & M. Alleksaht-Snyder (Eds.), *Teaching science to English learners: Research into practice* (pp. 15-30). New York, NY: Springer.
24. Maerten-Rivera, J., Llosa, L., & **Lee, O.** (2017). Promoting science among English language learners (P-SELL) research and evaluation: Measures and outcomes with students and teachers. In C. A. Buxton & M. Alleksaht-Snyder (Eds.), *Teaching science to English learners: Research into practice* (pp. 31-51). New York, NY: Springer.
23. **Lee, O.**, & Miller, E. (2016). Engaging in phenomena from project-based learning in a place-based context in science. In L. C. de Oliveira (Ed.), *The Common Core State Standards in literacy in history/social studies, science, and technical subjects for English language learners: Grades 6-12* (pp. 59-73). Alexandria, VA: Teaching English to Speakers of Other Languages.
22. **Lee, O.** (2015). Preface. In O. Lee, E. Miller, & R. Januszyk (Eds.), *NGSS for all students* (pp. xi-xiv). Arlington, VA: National Science Teachers Association
21. **Lee, O.**, Miller, E., & Januszyk, R. (2015). Conceptual framework guiding the NGSS diversity and equity. In O. Lee, E. Miller, & R. Januszyk (Eds.), *NGSS for all students* (pp. 37-42). Arlington, VA: National Science Teachers Association.
20. Januszyk, R., **Lee, O.**, & Miller, E. (2015). Charges of the NGSS Diversity and Equity Team. In O. Lee, E. Miller, & R. Januszyk (Eds.), *NGSS for all students* (pp. 29-35). Arlington, VA: National Science Teachers Association.
19. Miller, E., Januszyk, R., & **Lee, O.** (2015). Using the case studies to inform unit design. In O. Lee, E. Miller, & R. Januszyk (Eds.), *NGSS for all students* (pp. 171-177). Arlington, VA: National Science Teachers Association.
18. Miller, E., Januszyk, R., & **Lee, O.** (2015). Case study utility for classroom teaching and professional development. In O. Lee, E. Miller, & R. Januszyk (Eds.), *NGSS for all students* (pp. 193-202). Arlington, VA: National Science Teachers Association.
17. **Lee, O.** (2014). Diversity and equity in science education. In R. Slavin (Ed.), *Proven programs in education: Science, technology, & and mathematics (STEM)* (pp. 98-102). Thousand Oaks, CA: Corwin.
16. **Lee, O.** (2012). Teaching science with English language and literacy. In M. Calderón (Ed.), *Breaking through: Effective instruction and assessment for reaching English learners* (pp. 129-142). Bloomington, IN: Solution Tree Press.
15. **Lee, O.**, Santau, A. O., & Maerten-Rivera, J. (2011). Science and literacy assessments with English language learners. In C. Basterra, E. Trumbull, & G. Solano-Flores (Eds.),

- Cultural validity in assessment: Addressing linguistic and cultural diversity* (pp. 254-274). New York, NY: Routledge.
14. Buxton, C. A., & **Lee, O.** (2010). Fostering scientific reasoning as a strategy to support science learning for English language learners. In D. Senal, C. Senal, & E. Wright (Eds.), *Teaching science with Hispanic ELLs in K-16 classrooms* (pp. 11-36). Charlotte, NC: Information Age Publishing.
 13. LeRoy, K., & **Lee, O.** (2008). What research says about science assessment with English language learners. In J. Coffey, R. Douglas, & C. Sterns (Eds.), *Science assessment: Research and practical approaches* (pp. 341-355). Arlington, VA: National Science Teachers Association.
 12. García, E. E., & **Lee, O.** (2008). Science instruction for all: Creating a responsive learning community. In A. S. Rosebery & B. Warren (Eds.), *Teaching science to English language learners: Building on students' strengths* (pp. 151-161). Arlington, VA: National Science Teachers Association.
 11. Lambert, J., Lester, B., **Lee, O.**, & Luykx, A. (2007). An earth systems inquiry-based approach reshapes teachers' beliefs about instruction of diverse students. In D. B. Zandvliet (Ed.), *Sustainable communities, sustainable environments* (pp. 97-114). Rotterdam, The Netherlands: Sense Publishers.
 10. **Lee, O.** (2007). Implementation and evaluation of scale-up. In B. Schneider & S. McDonald (Eds.), *Scale up in education: Volume 2 issues in practice* (pp. 123-127). Lanham, MD: Rowman & Littlefield.
 9. **Lee, O.** (2006). Embracing serendipity and celebrating diversity. In K. Tobin & W.-M. Roth (Eds.), *The culture of science education* (pp. 251-261). Rotterdam, The Netherlands: Sense Publishers.
 8. Colucci, M., Ceballos, M., Smith, M., & **Lee, O.** (2006). Wind cycle. In A. K. Fathman & D. T. Crowther (Eds.), *Science for English language learners: K-12 classroom strategies* (pp. 127-129). Arlington, VA: National Science Teachers Association.
 7. Luykx, A., Cuevas, P., Lambert, J., & **Lee, O.** (2005). Unpacking teachers' "resistance" to integrating students' language and culture into elementary science instruction. In A. Rodríguez & R. S. Kitchen (Eds.), *Preparing prospective mathematics and science teachers to teach for diversity: Promising strategies for transformative action* (pp. 119-141). Mahwah, NJ: Erlbaum.
 6. Bessell, A. G., Schumm, J. S., **Lee, O.**, Liftin, E., & Walsh, S. (2003). Beyond standardized test scores: Using case studies to evaluate a reform strategy. In *Research perspectives on school reform: Lessons from the Annenberg Challenge* (pp. 117-132). Providence, RI: Annenberg Institute for School Reform at Brown University.

5. **Lee, O.**, & Fradd, S. H. (2001). Instructional congruence to promote science learning and literacy development for linguistically diverse students. In D. R. Lavoie & W.-M. Roth (Eds.), *Models for science teacher preparation: Bridging the gap between research and practice* (pp. 109-126). Dordrecht, The Netherlands: Kluwer Academic Publishers.
4. Fradd, S. H., & **Lee, O.** (2000). Needed: A framework for integrating standardized and informal assessment for students developing academic language proficiency in English. In J. V. Tenajero & S. Hurley (Eds.), *Literacy assessment of bilingual learners* (pp. 130-148). Boston, MA: Allyn and Bacon.
3. **Lee, O.** (1996). Children's science conceptions and worldviews in social and cultural contexts: Making sense after Hurricane Andrew. In S. Sayre & D. Horne (Eds.), *Earth, wind, fire and water: Approaching natural disaster* (pp. 197-221). Pasadena, CA: Open Door Publishers.
2. Yarger, S. J., & **Lee, O.** (1994). Teachers as leaders: The development and sustenance of teacher leadership. In D. R. Walling (Ed.), *Teachers as leaders: Perspectives on the professional development of teachers* (pp. 223-237). Bloomington, IN: Phi Delta Kappan Educational Foundation.
1. **Lee, O.**, & Salwen, M. B. (1994). *New York Times'* coverage of education reform during the 1950s and 1980s. In P. Farber, E. F. Provenzo, Jr., & G. Holm (Eds.), *Education in the light of popular culture* (pp. 131-148). Albany, NY: State University of New York Press.

MONOGRAPHS

6. Quinn, H., **Lee, O.**, & Valdés, G. (2012). *Language demands and opportunities in relation to Next Generation Science Standards for English language learners: What teachers need to know*. Stanford, CA: Stanford University, Understanding Language Initiative (ell.stanford.edu).
5. **Lee, O.** (2007). *Science achievement gaps: Race/ethnicity, culture, and socioeconomic status*. Brief published by the Center on Instruction at RMC Research. Supported by the U.S. Department of Education.
4. **Lee, O.** (1998). *Current conceptions of science achievement in major reform documents and implications for equity and assessment* (Research Monograph #12). Madison, WI: University of Wisconsin, National Institute for Science Education.
3. Fradd, S. H., & **Lee, O.** (Eds.). (1998). *Creating Florida's multilingual work force: Policies and practices for instruction and assessment of English language learners*. Tallahassee, FL: Florida Department of Education, Office of Multicultural Student Language Education.
2. **Lee, O.** (1998). Science instruction and assessment for English language learners in the state of Florida. In S. H. Fradd & O. Lee (Eds.), *Creating Florida's multilingual work force: Policies and practices for instruction and assessment of English language learners*

(pp. V, 1-11). Tallahassee, FL: Florida Department of Education, Office of Multicultural Student Language Education.

1. **Lee, O.**, Eichinger, D., Anderson, C. W., Berkheimer, G. D., & Blakeslee, T. C. (1990). *Changing middle school students' conceptions of matter and molecules* (Research Series #194). East Lansing, MI: Institute for Research on Teaching, Michigan State University.

COMMITTEE DOCUMENTS

6. **Lee, O.**, Miller, E., Januszyk, R., Okoro, B., O'Day, B., Gutierrez, J., & Jones, N. (2013). *All standards, all students: Making Next Generation Science Standards accessible to all students*. Washington, DC: Achieve, Inc.

Co-author of 7 case studies as part of *Next Generation Science Standards: All standards, all students*:

1. *Economically disadvantaged students*
 2. *Students from major racial and ethnic groups*
 3. *Students with disabilities*
 4. *English language learners*
 5. *Girls*
 6. *Students in alternative education*
 7. *Gifted and talented students*
5. Pimentel, S., Castro, M., Cook, G., Kibler, A., **Lee, O.**, Pook, D., Stack, L., Valdés, G., & Walqui, A. (2012). *Framework for English language proficiency development standards corresponding to the Common Core State Standards and the Next Generation Science Standards*. Washington, DC: Council of Chief State School Officers.
 4. Deussen, T., Autio, E., Miller, B., Lockwood, A. T., & Stewart, V. (2008). *What teachers should know about instruction for English language learners: A report to Washington State*. Portland, OR: Northwest Regional Educational Laboratory.
 3. Ballantyne, K. G., Sanderman, A. R., & Levy, J. (2008). *Educating English language learners: Building teacher capacity roundtable report*. Washington, DC: National Clearinghouse for English Language Acquisition.
 2. Duschl, R. A., Schweingruber, H. A., & Shouse, A. W. (Eds.). (2007). *Taking science to school: Learning and teaching science in grades K-8*. Washington, DC: National Academies Press. (Committee on Science Learning, Kindergarten through Eighth Grade, National Research Council.)
 1. Lynch, S., Atwater, M., Cawley, J., Eccles, J., **Lee, O.**, Marrett, C., Rojas-Medlin, D., Secada, W. G., Stefanich, G., & Wiletto, A. (1996). *An equity blueprint for Project 2061 science education reform*. Washington, DC: American Association for the Advancement of Science, Project 2061.

CURRICULUM DEVELOPMENT

5. **Lee, O.**, et al. (2013). *Promoting science among English language learners (P-SELL) science 5th grade (student book and teacher guide)*. New York, NY: New York University. A comprehensive, stand-alone, year-long science curriculum for grade 5.
4. Buxton, C. A., Cone, N., Oddone, S., & **Lee, O.** (2009). *Promoting science among English language learners (P-SELL) middle school science (student book and teachers' guide)*. Coral Gables, FL: University of Miami.
3. **Lee, O.**, Buxton, C. A., LeRoy, K., & Secada, W. G. (2008). *Promoting science among English language learners (P-SELL) science (student books and teacher guides)*. Coral Gables, FL: University of Miami. A series of nine science curriculum units for grades 3, 4, and 5:
 1. *Measurement*
 2. *States of matter*
 3. *Water cycle and weather*
 4. *Energy*
 5. *Force and motion*
 6. *Processes of life*
 7. *Nature of matter*
 8. *Earth systems*
 9. *Synthesis*
2. Berkheimer, G. D., Anderson, C. W., **Lee, O.**, & Blakeslee, T. C. with Eichinger, D., & Sands, K. (1988). *Matter and molecules teacher's guide: Science book* (Occasional Paper No. 121). East Lansing, MI: Institute for Research on Teaching, Michigan State University.
1. Berkheimer, G. D., Anderson, C. W., & Blakeslee, T. C. with **Lee, O.**, Eichinger, D., & Sands, K. (1988). *Matter and molecules teacher's guide: Activity book* (Occasional Paper No. 122). East Lansing, MI: Institute for Research on Teaching, Michigan State University.

CONFERENCE PROCEEDINGS

3. **Lee, O.** (2000). *Equity for culturally and linguistically diverse students in science education: Recommendations for a research agenda*. An invited paper presented at the National Institute for Science Education (NISE) Forum on "Diversity and equity in science education: What do we know and what do we need to know?" Detroit, MI. The Forum was organized by the National Institute for Science Education, Wisconsin Center for Education Research, University of Wisconsin-Madison, with funding from the National Science Foundation (Cooperative Agreement No. RED 9452971).
2. **Lee, O.** (1996). Science teacher education for the 21st century in South Korea (invited speech). *Proceedings of the 20th Anniversary of the Korean Association for Research in Science Education: International Seminar and Workshop in Science Education*. Seoul, South Korea.

1. Burns-Hoffman, R., **Lee, O.**, & Fradd, S. H. (1995). Patterns of noun-phrase expression in hands-on instructional conversations in science. In D. MacLaughlin & M. Bernstein (Eds.), *Proceedings of the 19th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

FOREWORDS

6. **Lee, O.** (2017). Endorsement of Gottlieb, M., & Castro. *Language power: Key uses for accessing content*. Thousand Oaks, CA: Corwin Press.
5. **Lee, O.** (2016). Foreword. In E. G. Lyon, S. Tolbert, J. Solís, T. Stoddart, & G. Bunch, *Secondary science teaching for English learners: Developing supportive and responsive learning contexts for sense-making and language development* (pp. vii-ix). Lanham, MD: Rowman & Littlefield.
4. **Lee, O.** (2015). Endorsement of Heritage, M., Walqui, A., & Linqunti, *English language learners and the new standards: Developing language, content knowledge, and analytical practices in the classroom*. Cambridge, MA: Harvard Educational Press.
3. **Lee, O.** (2008). Foreword. In K. R. Bruna & K. Gomez (Eds.), *Talking science, writing science: The work of language in multicultural classrooms* (pp. viii-xi). Mahweh, NJ: Taylor and Francis.
2. **Lee, O.** (2000). Foreword. In A. E. Sweeny & K. G. Tobin (Eds.), *Language, discourse, and learning in science: Improving professional practice through action research* (pp. 9-11). Tallahassee, FL: Southeastern Regional Vision for Education (SERVE).
1. **Lee, O.** (2000). Foreword. In W. W. Cobern, *Everyday thoughts about nature: An interpretive study of 16 ninth graders' conceptualizations of nature*. Dordrecht, The Netherlands: Kluwer Academic Publishers.

BOOK REVIEW

1. **Lee, O.** (1996). Review of Min, P. G. (Ed.), *Asian Americans: Contemporary trends and issues* (Thousand Oaks, CA: Sage Publications, 1995) and Walker-Moffat, W., *The other side of the Asian American success story* (San Francisco, CA: Jossey-Bass Publishers, 1995). *World Communication*, 25(2), 105-106.

EVALUATION AND RESEARCH REPORTS

13. **Lee, O.** (2004). *Science and literacy in the context of Haitian students' home language and culture*. Grant funded by an anonymous foundation.
12. Secada, W. G., & **Lee, O.** (2003). *A study of highly effective USI schools in the teaching of mathematics and science: Classroom level results*. Washington, DC: The Urban Institute.
11. Schumm, J., **Lee, O.**, Bessell, A. G., Burke, M. C., & Rivers, A. (2003). *The final evaluation report for the South Florida Annenberg Challenge*. Grant funded by the South Florida Annenberg Challenge, 1998-2003. Coral Gables, FL: University of Miami.

10. Schumm, J., **Lee, O.**, Bessell, A. G., Ioannone, P., Ferris, V., Rivers, A., Galloway, F., & Deaktor, R. (2002). *The 2002 evaluation report for the South Florida Annenberg Challenge*. Grant funded by the South Florida Annenberg Challenge, 1998-2003. Coral Gables, FL: University of Miami.
9. Schumm, J., **Lee, O.**, Bessell, A., Ferris, V., Ioannone, P., Deaktor, R., & Galloway, F. (2001). *The 2001 evaluation report for the South Florida Annenberg Challenge*. Grant funded by the South Florida Annenberg Challenge, 1998-2003. Coral Gables, FL: University of Miami.
8. **Lee, O.**, & Avalos, M. (2000). *Program evaluation report for Bilingual beginnings for teachers and students, 1998-2000*. Grant funded by the U.S. Department of Education, Office of Bilingual Education and Minority Languages Affairs, 1998-2000, #T195A980083. Miami, FL: University of Miami.
7. **Lee, O.**, & Avalos, M. (2000). *Program evaluation report for Biliteracy for beginning teachers, 1998-2000*. Grant funded by the U.S. Department of Education, Office of Bilingual Education and Minority Languages Affairs, 1998-2000, #T195A980052. Miami, FL: University of Miami.
6. Schumm, J., **Lee, O.**, Bessell, A., Rangel, A., & Barza, L. (2000). *The 2000 evaluation report for the South Florida Annenberg Challenge*. Grant funded by the South Florida Annenberg Challenge, 1998-2003. Coral Gables, FL: University of Miami.
5. Schumm, J., **Lee, O.**, Bessell, A., Jean-Francois, J., Rangel, A., Barza, L., & Shaffer, K. (1999). *The 1999 evaluation report for the South Florida Annenberg Challenge: Case studies*. Grant funded by the South Florida Annenberg Challenge, 1998-2001. Coral Gables, FL: University of Miami.
4. Gorrell, J., Shannon, D., Ares, N., **Lee, O.**, & Miller, E. (1998). *Year-one evaluation report for the South Florida Annenberg Challenge*. Grant funded by the South Florida Annenberg Challenge, 1998-2001. Auburn, AL: Auburn University.
3. **Lee, O.**, & Fradd, S. H. (1996). *Program evaluation report for the Master's ESOL Training Project: 1994-1996*. Grant funded by the U.S. Department of Education, Office of Bilingual Education and Minority Languages Affairs, 1994-96, #T195R40146. Miami, FL: University of Miami.
2. **Lee, O.**, & Fradd, S. H. (1995). *Program evaluation report for the Master's ESOL Training Project: 1994-1995*. Grant funded by the U.S. Department of Education, Office of Bilingual Education and Minority Languages Affairs, 1994-96, #T195R40146. Miami, FL: University of Miami.
1. **Lee, O.**, & Fradd, S. H. (1995). *Final evaluation report for the Master's Degree in TESOL Training and Certification Project*. Grant funded by the U.S. Department of

Education, Office of Bilingual Education and Minority Languages Affairs, 1991-1995, #T0003R10015. Miami, FL: University of Miami.

FUNDED PROJECTS

- 2017-2018 **Co-Principal Investigator**, Capitalizing on aircraft air and noise pollution: Transforming deficits into assets (with Tae Hong Park as PI). Internal award from NYU (\$50,000).
- 2015-2019 **Principal Investigator**, Development of language-focused three-dimensional science instructional materials to support English language learners in fifth grade (with Guadalupe Valdés as PI at Stanford University and Lorena Llosa as Co-PI at New York University). National Science Foundation, Discovery Research K-12 (\$1.7 million to New York University and \$1.3 million to Stanford University, for a total of \$3 million).
- 2011-2017 **Principal Investigator**, Promoting science among English language learners (P-SELL) scale-up (with Lorena Llosa as Co-PI). National Science Foundation, Discovery Research K-12 (\$4.5 million).
- 2009-2014 **Principal Investigator**, Promoting science among English language learners (P-SELL) efficacy and sustainability. U.S. Department of Education, Institute of Education Sciences (\$3 million).
- 2009 **Principal Investigator**, Promoting science among English language learners in middle school. Carnegie Corporation of New York (\$49,700).
- 2004-2010 **Principal Investigator**, Promoting science among English language learners (P-SELL) in a high-stakes testing policy context (with Walter G. Secada as Co-PI). National Science Foundation, Teacher Professional Continuum Program (\$4.9 million).
- 2008 **Project Director**, P-SELL Institute. Two private donations (\$50,000).
- 2003-2004 **Principal Investigator**, Science and literacy in the context of students' home language and culture. Sherman Fairchild Foundation (\$50,000).
- 2000-2005 **Principal Investigator**, Instructional intervention to promote science and literacy with linguistically diverse elementary students (sub-contract to the University of California at Berkeley, Eugene García as Co-PI). National Science Foundation, U.S. Department of Education, and National Institute of Health, Interagency Education Research Initiative Program (\$2.5 million).
- 2000-2003 **Principal Investigator**, Highly effective USI schools: An outlier study (sub-contract to the University of Miami, FL from the Urban Institute,

Washington, DC; Beatriz Clewell as PI). National Science Foundation, Division of Research, Education, and Communication (\$150,000).

- 1999-2004 **Co-Principal Investigator**, Evaluation of South Florida Annenberg Challenge (with Jeanne Schumm as PI). The Annenberg Foundation (\$1,169,403).
- 1998-2003 **Co-Principal Investigator and Project Evaluator**, Bilingual beginnings for teachers and students–5th year program (with Sandra H. Fradd as PI followed by Mary Avalos). U.S. Department of Education, Office of Bilingual and Minority Languages Affairs (\$975,394).
- 1998-2001 **Co-Principal Investigator and Project Evaluator**, Biliteracy for beginning teachers–1st year program (with Sandra H. Fradd as PI). U.S. Department of Education, Office of Bilingual and Minority Languages Affairs (\$671,425).
- 1997-2000 **Principal Investigator**, Science for all, including linguistically diverse students: Achieving the promise (with Sandra H. Fradd as Co-PI). National Science Foundation, Research in Education, Policy, and Practice (REPP) Program (\$764,405).
- 1995-1999 **Project Director**, Secondary school science and mathematics teacher preparation project (with Gilbert Cuevas as Co-PI). Eisenhower Funding for Florida Region 6 Higher Education Consortium, Florida Department of Education (*Note*: Competition each year).
 1999: \$18,500
 1997-1998: \$17,000
 1996-1997: \$30,000
 1995-1996: \$14,400
- 1997-1998 **Co-Principal Investigator**, Assessment and instruction for students learning English: Policies and practices (with Sandra H. Fradd as PI). Florida Department of Education, Office of Multicultural Student Language Education (\$102,000).
- 1995-1998 **Co-Principal Investigator**, Promoting science literacy for all Americans, including culturally and linguistically diverse students: Keeping the promise (with Sandra H. Fradd as PI and Frank X. Sutman as Co-PI). National Science Foundation, Research on Teaching and Learning (RTL) Program (\$659,000).
- 1996-1997 **Fellow**, Current conceptions of science achievement in major reform documents and implications for equity. University of Wisconsin, Madison: The National Institute for Science Education funded by the National Science Foundation (\$16,465).

- 1996-1997 **Principal Investigator**, Asian American students: Social, cultural, and linguistic influences on academic performance and social adjustment. University of Miami General Research Support Award (\$4,600).
- 1994-1996 **Co-Principal Investigator and Project Evaluator**, Master's ESOL teacher training (MET) program (with Sandra H. Fradd as PI). U.S. Department of Education, Office of Bilingual and Minority Languages Affairs (\$607,000).
- 1993-1995 **National Academy of Education Spencer Post-Doctoral Fellow**. Children's views of the world in social and cultural contexts. National Academy of Education Spencer Post-Doctoral Fellowship (\$35,000).
- 1993-1994 **Principal Investigator**, Children's views of the world in social and cultural contexts. University of Miami General Faculty Research Support Award (\$4,000).
- 1992-1993 **Co-Principal Investigator**, Linguistic performance, cognitive strategies, and science knowledge of non-English background students (with Sandra H. Fradd as PI). National Science Foundation, Small Grant for Exploratory Research (\$50,000).
- 1992-1993 **Co-Project Director**, Teacher enhancement in physics and chemistry project (with Shepard Faber as PI). Florida Department of Education (\$100,000). This project was conducted in collaboration with the Miami Museum of Science and the Dade County Public Schools.
- 1990-1993 **Co-Project Director**, Mathematics and science resource teacher project (with Gilbert Cuevas as PI). U.S. Department of Education, National Eisenhower Mathematics and Science Program (\$414,000).
- 1991-1992 **Co-Project Director**, Teacher improvement in physical science project (with Shepard Faber as PI). Florida Department of Education (\$96,350). This project was conducted in collaboration with the Miami Museum of Science and the Dade County Public Schools.
- 1991 Commissioned project, Faculty Development for Effective Teaching Project (with Billy Birnie and Gilbert Cuevas). School of Business Administration, University of Miami (\$6,500).

FELLOWSHIPS

- Summer 2011 Faculty in Residence Summer Term (FIRST), University of Colorado at Boulder.
- 2009 2009 Fellow of the American Educational Research Association.
- 2008-2011 Kurtz Fellow, School of Education, University of Miami.

- 1996-1997 Fellow at the National Institute for Science Education funded by the National Science Foundation, Wisconsin Center for Education Research, University of Wisconsin, Madison.
- 1994 Visiting Scholar, Minority Visiting Scholars Program. Wisconsin Center for Education Research, School of Education, University of Wisconsin-Madison (October 1994). Topic: "Children's world views in social and cultural contexts."
- 1993-1995 National Academy of Education Spencer Post-Doctoral Fellowship. Topic: "Children's views of the world in social and cultural contexts."
- 1984-1987 Graduate Research Intern; selected as one of five doctoral students each year for the intern training program at the Institute for Research on Teaching, College of Education, Michigan State University.

AWARDS AND HONORS

- 2017 The 2017 RHSU Ed-Scholar Public Influence Rankings. *Education Week*, January 11, 2017.
- 2016 REVERE Awards finalist for Lee, O., Miller, E., & Januszyk, R. (Eds.). (2015). *NGSS for all students*. Arlington, VA: National Science Teachers Association. *Note:* This was supported by the Next Generation Science Standards at Achieve, Inc.
- 2016 The 2016 RHSU Ed-Scholar Public Influence Rankings. *Education Week*, January 6, 2016.
- 2015 The 2015 RHSU Ed-Scholar Public Influence Rankings. *Education Week*, January 7, 2015.
- 2014 Educational Leadership Award from the National Association of Bilingual Education and the Florida Association of Bilingual Education.
- 2008 University of Miami Provost's Award for Research Activity.
- Note:* The award is given to three to five faculty members across the University of Miami each year.
- 2007 Florida Educational Research Association Distinguished Paper Award.
- 2003 Distinguished Career Contribution Award from the American Educational Research Association (AERA) Standing Committee for Scholars of Color in Education.

- 1988 Sage Doctoral Dissertation Grant, College of Education, Michigan State University.
- 1987 Scholarship Award, Arthur T. and Pearl Butler Scholarship, College of Education, Michigan State University.

EDITORIAL BOARDS

- 2015-present *Journal of Teacher Education*
- 2008-present *The Elementary School Journal*
- 2004-2013 *American Educational Research Journal*
- 1999-2011 *Review of Educational Research*
- 1998-2001 *International Journal of Science Education*
- 1995-1999 *Journal of Research in Science Teaching*
- 1992-2005 *Science Education*

EDITORSHIP

- 2011-2014 Buxton, C. A., & Lee, O. (2014). Section on diversity and equity in science education. In N. G. Lederman & S. K. Abell (Eds.), *Handbook of research in science education* (2nd ed., pp. 204-222). Mahwah, NJ: Erlbaum.
- 2009-2013 Lee, O., & Buxton, C. A. (2013). Diversity and equity in science education [Special issue]. *Theory into Practice*, 52(1).
- 2010-2012 Lee, O., & Krajcik, J. (2012). Large-scale interventions in science education for diverse student groups in varied educational settings [Special issue]. *Journal of Research in Science Teaching*, 49(3).
- 1999-2000 Lee, O., & Lynch, S. (2001). Language and culture in science education [Special issue]. *Journal of Research in Science Teaching*, 38(5).

REVIEWS

- 1990-present Reviewer for the following peer-reviewed journals:
American Educational Research Journal
Bilingual Research Journal
Cognition and Instruction
Educational Evaluation and Policy Analysis
Educational Psychologist
Educational Researcher
Elementary School Journal
International Journal of Mathematics and Science Education

International Journal of Science Education
Journal of Educational Psychology
Journal of Research in Science Teaching
Journal of Science Teacher Education
Journal of Teacher Education
Journal of the Learning Sciences
Review of Educational Research
Science Education
Teachers College Record
Teaching and Teacher Education
Urban Education

- 1993-present Grant proposals submitted to various programs in the Directorate for Education and Human Resources (EHR), National Science Foundation (NSF).
- 2014, 2016 Grant proposals submitted to William T. Grant Foundation.
- 2015 Grant proposals submitted to Institute of Education Sciences (IES), U.S. Department of Education.
- 2011-2015 Grant proposals submitted to National Academy of Education/Spencer Dissertation Fellowship, Spencer Foundation.
- 1993-2008 Proposals submitted for presentation at the annual meeting of the National Association for Research in Science Teaching (NARST).
- 1990-2008 Proposals submitted for presentation at the annual meeting of the American Educational Research Association (AERA).
- 1990-1992 Grant proposals submitted to Dwight D. Eisenhower Mathematics and Science Higher Education Grants Program, Texas.

COMMITTEES

NATIONAL

- 2017-present Committee on Supporting English Learners in STEM Subjects, National Research Council.
- 2016-2019 Advisory Committee for the Directorate of Education and Human Resources, National Science Foundation.
- 2015-2016 Chair, Division K Mid-Career Award Committee, American Educational Research Association.
- 2015 National Conversation on Equity through STEM, National Science Teachers Association.

- 2012-2015 Advisory Committee on English Language Learners for Smarter Balanced Assessment Consortium (SBAC).
- 2012 English Language Proficiency Development (ELPD) Framework Committee, Council of Chief State School Officers (CCSSO), Washington, DC.
- 2011-2014 Steering Committee for Building on the Common Core State Standards initiative to improve learning for English language learners (Kenji Hakuta as PI; Kenji Hakuta and Maria Santos as Co-Chairs of Steering Committee). Stanford University, CA.
- 2011-2012 Division G Early Career Award Committee, American Educational Research Association.
- 2010-2011 Chair, Division G Early Career Award Committee, American Educational Research Association.
- 2009-2013 Board of Directors, Korean-American Educational Researchers Association.
- 2009 Committee of Visitors to review the portfolio of the Discovery Research K-12 (DR-K12) and Research and Evaluation on Education in Science and Engineering (REESE) programs, Division of Research on Learning, National Science Foundation.
- 2007-2009 Early Career Award Committee, American Educational Research Association.
- 2004-2007 Committee on Science Learning, Kindergarten Through Eighth Grade, National Research Council.
- 2004-2006 Board of Science Education, Center for Education, National Research Council.
- 2003-2006 Board of Directors, National Association for Research in Science Teaching.
- 2002 Committee of Visitors to review the portfolio of the Research on Learning and Education (ROLE) program, Division of Research, Evaluation, and Communication, National Science Foundation.
- 2001-2004 Executive Member, Committee on Science Education K-12, Center for Education, National Research Council.
- 2001-2003 Chair, Science and Diversity Synthesis Committee. A joint project by the Center for Research on Education, Diversity and Excellence (CREDE) at

the University of California-Santa Cruz and the University of Houston, and the National Center for Improving Student Learning and Achievement (NCISLA) in Mathematics and Science at the University of Wisconsin-Madison.

1999-2002 Committee for the Scholars of Color in Education (formerly Committee on the Role and Status of Minorities in Educational Research and Development), American Educational Research Association.

1997-2000 Chair, Equity and Ethics Committee, National Association for Research in Science Teaching.

1995-1998 *Journal of Research in Science Teaching* Award Committee, National Association for Research in Science Teaching.

1994-1996 Project 2061 Equity Blueprint Committee, American Association for the Advancement of Science.

STATE

2016-2017 New York State Science Conference Planning Committee, New York State Boards of Cooperative Education Services (BOCES).

2015-2017 New York State Science Education Steering Committee. Albany, NY.

1995-1996 Advisory Board, Department of Environmental Education. Florida Department of Education.

1993-1994 Writing Committee, *Science for all educators*, Florida Department of Education. Grant funded by the U.S. Department of Education.

DISTRICT

2000-2005 Advisory Board, Miami-Dade County Urban Systemic Program (Dade County USP). Grant funded by the National Science Foundation.

1994-1999 Advisory Board, Dade County Urban Systemic Initiative (Dade County USI). Grant funded by the National Science Foundation.

1995-1997 Advisory Board, Dade County Public Schools, Academy of Instructional Leadership. Grant funded by the U.S. Department of Education.

1993-1996 Advisory Board, Region 6 Florida Statewide Systemic Initiative (Florida SSI). Grant funded by the National Science Foundation.

PANELS

2016 Panel, New York State P-12 Science Standards adoption by the New York State Board of Regents, NY (December).

- 2016 Panel, WIDA Advisory to review and update 2012 English Language Development Standards Framework, PA (October).
- 2015 Panel, “#Sci4allSs,” Twitter book study group coordinated by the National Science Teachers Association, Washington, DC (June and July).
- 2015 Panel, “Finding common ground: How the new math and science standards can equalize education,” at the U.S. News and World Report STEM Solutions Conference, CA (June).
- 2015 Panel, 2015 Disciplined Dialogues Project: Building a better teacher workplace. Spencer Foundation, CA (June).
- 2014 Panel, “Celebrating the Merck Institute for Science Education,” NJ (May).
- 2013 Panel, *City&State* “On Education” Forum, NY (August).
- 2012 Panel, “Advancing the college- and career-ready agenda for all students,” at the Achieve’s annual meeting of the American Diploma Project (ADP) Network Leadership Team, Washington, DC (September).
- 2011-2013 Writing team for Next Generation Science Standards (NGSS) through Achieve, Inc., Washington, DC.
- 2011-2013 Leader, Next Generation Science Standards (NGSS) Diversity and Equity Team, Achieve, Inc., Washington, DC.
- 2011 Panel, High-quality STEM education for English learners: Best practices and current challenges. Coordinated by the U.S. Department of Education Office of English Language Acquisition (OELA), Washington, DC (July).
- 2010 Panel, New ways to assess what children learn in school. Coordinated by the Spencer Foundation, IL (October).
- 2010 Panel, Quality of teaching English language learners in the content areas. Coordinated by Educational Testing Service, NJ (July).
- 2010 Panel, Managing career development in the U.S. Sponsored by the Korean American Educational Researchers Association, CO (May).
- 2008-2009 Panel, Science for English language learners position statements, National Science Teachers Association, Washington, DC.
- 2008 Advisory panel, English language learners for Washington State. Coordinated by Northwest Regional Educational Laboratory in Portland, OR. Sponsored by the Washington Department of Education, WA.

- 2008 Roundtable panel, Professional development of ELL content teachers. Coordinated by National Clearinghouse for English Language Acquisition in Washington, DC. Sponsored by the Office of English Language Acquisition (OELA), U.S. Department of Education.
- 2008 Inspiration panel. Coordinated by the University of Miami, FL and sponsored by the NASA's Future Forum in Miami (April).
- 2007 Science education panel. Sponsored by the Institute of Education Sciences, U.S. Department of Education (January).

INVITED SPEECHES

- 2017 "NGSS instructional shifts and language instructional shifts support each other with English learners," the Early STEM and Young Dual Language Learners, National Research Council, DC (May).
- 2017 "New York State BOCES Science Standards Workshop," Schenectady, New York (May).
- 2017 "Science Initiative for English Learners Institute," Division of English Language Learners and Student Support, New York City Department of Education (May).
- 2017 "Equity, inclusion, and diversity," at the Educator Capacity Building workshop, National Research Council (April).
- 2017 "How teachers and parents can assist Korean children's language development through mathematics and science," at the Korean American Teachers Association of New York, New York, NY (January).
- 2016 "NGSS with all students, including English learners," at BSCS, Colorado Springs, CO (December).
- 2016 "ELP standards and content standards: Language instructional shifts," at the Arizona TESOL State Conference, Yuma, AZ (October).
- 2016 "NGSS with all students, including English learners," at the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Symposium on Active Learning, National Science Foundation, Washington, DC (September).
- 2016 "NGSS with all students including English learners," at WGBT for PBS, Boston, MA (September).
- 2016 "Engineering is Elementary" with all students including English learners" at the Boston Museum of Science, MA (September).

- 2016 “Content and language learning across subject areas with English learners,” at the Language, Equity, and Education Policy (LEEP) Working Group, Stanford University, CA (May).
- 2016 “Equity and diversity in STEM education: Making the Next Generation Science Standards (NGSS) accessible to all students,” at the STEM Education for All: Fostering Diversity Through K-12 and Higher Education Partnerships & Frontiers in Microbiology Education Conference, coordinated by Davenport University, Grand Rapids, MI (April).
- 2016 “Next Generation Science Standards (NGSS): A foundation,” at the Boards of Cooperative Educational Services (BOCES) of New York State, Albany, NY (March).
- 2016 “Next Generation Science Standards (NGSS): Science and language,” at the Brown Bag Lunch Talk, coordinated by the Rutgers Graduate School of Education, New Brunswick, NJ (February).
- 2015 “NGSS for diversity and equity,” at the Building a Constituency for Science: The Impact of the Next Generation Science Standards on the Work of Informal Science Institutions Meeting, hosted by the American Museum of Natural History and the Carnegie Corporation of New York, NY (December).
- 2015 “Development of language-focused three-dimensional science instructional materials to support English language learners in fifth grade,” at the Next Generation STEM Learning for All Forum, coordinated by the National Science Foundation, Washington, DC (November).
- 2015 “Connections of NGSS to CCSS for all students, including English language learners,” at the National Science Teachers Association Conference, Reno, NV (October).
- 2015 “The Next Generation Science Standards: All standards, all students,” at the NGSS–Opportunities for Iowa Conference, Iowa City, IA (October).
- 2015 “STEM equity and needs of disadvantaged students in rural areas,” at the STEM Education Equity: Policies to Create Opportunities in Rural Iowa Conference, Iowa City, IA (October).
- 2015 “NGSS for all students,” at Delaware Department of Education, Dover, DE (July).
- 2015 “Promoting science among English language learners (P-SELL) scale-up,” at the Sanibel Leadership Conference, FL (June).

- 2015 “Next Generation Science Standards and Common Core State Standards for English language learners,” at the Sanibel Leadership Conference, FL (June).
- 2015 “Effective science instruction for English language learners,” at University of North Carolina at Wilmington, NC (June).
- 2015 “Next Generation Science Standards and Common Core State Standards for all students, including English language learners,” at the New York University Department of Teaching and Learning Research Colloquium Series, NY (April).
- 2015 “Next Generation Science Standards (NGSS): All standards, all students,” at the Delaware NGSS Leadership Team Meeting, Dover, DE (March).
- 2015 Mary C. McCurdy Lecture, “Next Generation Science Standards (NGSS): All standards, all students,” at the National Science Teachers Association Conference, Chicago, IL (March).
- 2015 “NGSS and CCSS for English language learners,” at the National Association for Bilingual Education Conference, Las Vegas, NV (March).
- 2015 “NGSS for diversity and equity,” at the Next Generation Science Standards Network Leadership Conference, San Francisco, CA (February).
- 2015 “National policy perspective on science standards and ELP (or ELD) standards,” at the Exploratorium Conference on Exploring Science and English Language Development: Implications for Teacher Professional Learning, San Francisco, CA (January).
- 2014 “Next Generation Science Standards,” at Seoul National University, Seoul, South Korea (December).
- 2014 “General closing session,” at NSTA virtual conference: Next Generation Science Standards Practices in Action, National Science Teachers Association (November).
- 2014 “Science classroom instruction for English language learners,” at the Teaching Academic Content and Literacy to English Learners in Elementary and Middle Schools Institute, Regional Educational Laboratory Southeast Research to Practice Bridge Event, Miami, FL (November).
- 2014 “Next Generation Science Standards: All standards, all students,” at Washington Science Teachers Association, Spokane, WA (October).

- 2014 “Diversity and equity in science: All standards, all students,” at New York Hall of Science, NY (September).
- 2014 “A review of DR K-12 English language learner projects and their contribution to research,” at the National Science Foundation Discovery Research K-12, Washington, DC (August).
- 2014 “Effective science instruction for English language learners,” at the Summer Institute, coordinated by the University of Massachusetts at Boston and Center of Science and Mathematics in Context, MA (July).
- 2014 “Common Core and Next Generation Science Standards in the dual language classroom: Implementation strategies,” at Dual Language Summer Institute, Kissimmee, FL (June).
- 2014 “Common Core and Next Generation Science Standards in the dual language classroom: An overview,” at Dual Language Summer Institute, Kissimmee, FL (June).
- 2014 “Next Generation Science Standards for diversity and equity with a focus on English language learners,” at Equity Conversations: Updates in STEM Education K-12, Portland, ME (June).
- 2014 “Next Generation Science Standards: All standards, all students,” at Merck Institute for Science Education, Rahway, NJ (May).
- 2014 “Culture and language for student diversity,” at the STEMposium: Closing the Opportunity Gap in STEM Education Conference, Portland, OR (May).
- 2014 “Closing the opportunity gap to effective STEM learning environments: Using NGSS and language as pathways,” at the STEMposium: Closing the Opportunity Gap in STEM Education Conference, Portland, OR (May).
- 2014 “Next Generation Science Standards for English language learners,” at the Language, Culture, and Identity Conference, Portland, ME (April).
- 2014 “Next Generation Science Standards for English language learners,” at the National Science Teachers Association (NSTA) Professional Development Institute on Increasing Language Skills and Access to Rigorous Science Education: Examining the Opportunities That the Next Generation Science Standards Provide to English Learners, coordinated by the USDOE Office of English Language Acquisition (OELA), Boston, MA (April).

Note: I also served as a coordinator of the conference and facilitator for discussion of panels.

- 2014 “Next Generation Science Standards: All standards, all students,” at Science Teachers Association of New York State, NY (March).
- 2014 “General closing session,” at NSTA virtual conference: Next Generation Science Standards Practices in Action, National Science Teachers Association (February).
- 2014 “Next Generation Science Standards and Common Core: Engaging English language learners,” for New York City–2/Long Island Region, Adelphi University, New York, NY (February).
- 2014 “Next Generation Science Standards: All standards, all students,” at Merck Institute for Science Education, Rahway, NJ (February).
- 2014 “Next Generation Science Standards and Common Core: Engaging English language learners,” at Western Washington University, Bellingham, WA (February).
- 2013 “The role of oral and written discourse in teaching and learning science,” at the Literacy for Science: Exploring the Intersection of the Next Generation Science Standards and Common Core for ELA Standards Workshop. National Research Council, Washington, DC (December).
- 2013 “Next Generation Science Standards: All standards, all students,” at Lehman College, New York, NY (December).
- 2013 “Next Generation Science Standards for English language learners,” at Palm Beach County Public Schools Multicultural Department, Palm Beach, FL (November).
- 2013 “Next Generation Science Standards: All standards, all students,” at the Super Science Saturday by Lee County Public Schools, Fort Myers, FL (November).
- 2013 “Next Generation Science Standards: All standards, all students,” at the Florida Association of Science Teachers Conference, Miami, FL (October).
- 2013 “Next Generation Science Standards: All standards, all students,” at the Florida Association of Science Supervisors Conference, Miami, FL (October).
- 2013 “Next Generation Science Standards: All standards, all students,” at the Maine Science Teachers Association Conference, Portland, ME (October).

- 2013 “Educating all students: English language learners,” at the K-12 Educators in Professional Development Workshop, New York University, NY (October).
- 2013 “The Common Core and the Next Generation Science Standards: Implications for STEM education research,” at the Principal Investigators’ Meeting, U.S. Department of Education Institute of Education Sciences, Washington, DC (September).
- 2013 “Next Generation Science Standards: All standards, all students,” at the Materials Research Science and Engineering Centers funded by the National Science Foundation, University of California at Santa Barbara, CA (September).
- 2013 “Next Generation Science Standards for English language learners,” at the University of Illinois at Chicago 2013 Bilingual/ESL Teacher Training Summer Institute, Chicago, IL (June).
- 2013 “Supporting learning in diverse science classrooms,” at the Building Capacity in State Science Education National Conference, Council of State Science Supervisors, Pittsburgh, PA (June).
- 2013 “Making NGSS accessible to all students,” at the Building Capacity in State Science Education National Conference, Council of State Science Supervisors, Pittsburgh, PA (June).
- 2013 “Science and language for English learners,” at the Sci-Ed-Expo, Steinhardt School of Culture, Education, and Human Development, New York University (May).
- 2013 “Next Generation Science Standards and Common Core State Standards for diversity and equity,” at the Language, Equity, and Education Policy (LEEP) Working Group, School of Education, Stanford University (April).
- 2013 “The Common State Standards: Potential outcomes and consequences in relation to student diversity and equity,” at the Education Policy Breakfast Series, NYU Steinhardt Education Policy Breakfast, New York University (April).
- 2013 “Implications for teacher preparation, professional development, curriculum and policy,” at the National Science Teachers Association (NSTA) Pre-Conference on Enhancing Science Instruction to Meet the Needs of English Learners in Grades 6-12 coordinated by the USDOE Office of English Language Acquisition (OELA), San Antonio, TX (April).

Note: I also served as a coordinator of the conference and facilitator for discussion of panels.

- 2013 “Next Generation Science Standards: All standards, all students,” at the annual meeting of the Council of State Science Supervisors, San Antonio, TX (April).
- 2013 “NSF grant funding,” sponsored by the Office of Research and Doctoral Studies at Steinhardt School of Culture, Education, and Human Development, New York University, NY (March).
- 2013 “Diversity and equity in science education,” at the annual Graduate Student Colloquy, University of Arizona, Tucson, AZ (February).
- 2013 “Next Generation Science Standards for English language learners,” at the annual meeting of the National Association of Bilingual Education, Orlando, FL (February).
- 2012 “Language demands and opportunities in relation to Next Generation Science Standards for English language learners,” at the California Accountability Leadership Institute, Santa Clara, CA (December).
- 2012 “Next Generation Science Standards for English language learners,” at the CREATE conference on English Learners in the Content Area Classes: Teaching for Achievement in the Middle Grades, Orlando, FL (October).
- 2012 “Next Generation Science Standards for English language learners.” Breakout session with L. Meade, M. Milano, C. Negrón, & R. Zimmerman at the CREATE conference on English Learners in the Content Area Classes: Teaching for Achievement in the Middle Grades, Orlando, FL (October).
- 2012 “Next Generation Science Standards for English language learners,” at the Research-Based Educational Practices for English Language Learners conference coordinated by the New York City Department of Education’s Office of English Language Learners, New York, NY (June).
- 2012 “Promoting science learning and language development of English language learners,” at the Washington Association of Bilingual Education, Tacoma, WA (May).
- 2012 “Next Generation Science Standards for English language learners,” at the Leading the Way to STEM Careers: Strengthening Mathematics and Science Instruction for ELLs conference coordinated by the New York City Department of Education’s Office of English Language Learners, New York, NY (May).

- 2012 “Student diversity and science education research in a global context: Research agenda and the role of NARST,” at the National Association for Research in Science Teaching, Indianapolis, IN (March).
- 2012 “Promoting science learning and language development of English language learners,” at the New Jersey Symposium on Common Core and English Language Learners, Union, NJ (March).
- 2012 “Science and language for English language learners,” at the New York State Association for Bilingual Education, Melville, NY (March).
- 2011 “Overview of science education for English learners,” at the High-Quality STEM Education for English Learners: Best Practices and Current Challenges Roundtable coordinated by U.S. Department of Education Office of English Language Acquisition (OELA), Washington, DC (July).
- Note:* I also served as a coordinator of the roundtable and facilitator for discussion of panels.
- 2011 “Effective STEM education strategies for diverse and underserved student groups,” at the Workshop on Successful STEM Education in K-12 Schools coordinated by the National Research Council, Washington, DC (May).
- 2010 “Methodological issues in implementation research in urban settings,” at the Improving Implementation Research Methods for Behavioral and Social Science Meeting coordinated by the Office of Planning, Research and Evaluation (OPRE), U.S. Department of Health and Human Services, Washington, DC (September).
- 2010 “Envisioning the role of trans-national educational researchers in global society,” at the annual meeting of the Korean American Educational Researchers Association, Denver, CO (May).
- 2009 “Promoting science among English language learners,” at the annual meeting of the Council of the Great City Schools, Minneapolis, MN (May).
- 2009 “The knowledge base for science education with English language learners,” at the Institute on Literacy as a Tool for Learning in Content Areas during the annual meeting of the International Reading Association, Minneapolis, MN (May).
- 2008 “Methodological issues in an urban study,” at the Discovery Research K-12 Principal Investigators’ Meeting, National Science Foundation, Washington, DC (November).

- 2008 “Instructional interventions to promote science learning and English language development of English language learners,” at the third annual National Superintendents’ Forum, Miami, FL (October).
- 2008 “Instructional interventions for English language learners that support the use and learning of academic language and content,” at the Center for Research on the Educational Achievement and Teaching of English Language Learners, Oak Brook, IL (October).
- 2008 “Science instruction with English language learners,” at Miami-Dade County Public Schools, Miami, FL (September).
- 2008 “Science and literacy for English language learners,” at the Literacy Institute 2008 sponsored by the National Geographic Society and the Literacy Achievement Research Center, Washington, DC (July).
- 2008 “Language and culture in science instruction,” for the Science Made Sensible project funded by the National Science Foundation, College of Arts and Sciences, University of Miami, FL (June).
- 2008 “The knowledge base for science education with English language learners,” for the Pathways to Excellence in Teaching Project, Miami-Dade College, Miami, FL (May and June).
- 2008 “Science and literacy for English language learners,” at the Raising the Bar on Science Instruction for ELLs Symposium for New York Public Schools, New York, NY (May).
- 2008 “Equity in Science Education.” Sponsored by the SIG-Science Teaching and Learning at the annual meeting of the American Educational Research Association (AERA), New York, NY (March).
- 2007 “Inquiry-based science for English language learners,” at the sixth annual Preparing ELLs to Succeed in the 21st Century. Sponsored by the Office of English Language Acquisition (OELA), U.S. Department of Education, Washington, DC (October).
- 2006 & 2007 “What does the research say?” at the conference on Science and English Language Learners (ELLs). Sponsored by the National Science Foundation and the National Science Teachers Association, Baltimore, MD (November 2006) and St. Louis, MO (March 2007).
- 2006 “Promoting science among English language learners,” at the fifth annual Celebrate Our Rising Stars Summit: Strategies to Close the Achievement Gap. Sponsored by the Office of English Language Acquisition (OELA), U.S. Department of Education, Washington, DC (October).

- 2006 “Diversity and science education: What research says about English language learners,” at the Institute for Integrated Science at Miami University, OH (April).
- 2005 & 2006 “Assessing science and literacy achievement of English language learners within a high-stakes testing policy context,” at the conference on Science Assessment. Sponsored by the National Science Foundation and the National Science Teachers Association, Chicago, IL (November 2005) and Anaheim, CA (April 2006).
- 2005 “Developing a culture for students to develop a science achievement identity,” at the Optimizing Science Achievement for All Students Symposium. Sponsored by the Maryland Institute for Minority Achievement and Urban Education, University of Maryland, College Park, MD (September).
- 2005 “Big ideas in science for English language learners and more,” at the Institute for Learning, Learning Research and Development Center, University of Pittsburgh, Pittsburgh, PA (August 2005).
- 2003 Commentary on “Measuring for scale-up in education,” at the Conceptualizing Scale-Up: Multidisciplinary Perspectives Conference, Washington, DC (November).
- 2003 “Cognitive, cultural, and linguistic scaffolding for diverse groups of students in science instruction,” at the Knowledge Sharing Institute, Center for Curriculum Materials in Science, University of Michigan, Ann Arbor, MI (June).
- 2003 “Teaching science to culturally and linguistically diverse students: Critical issues and promising practices,” at the Mid-Atlantic Equity Center Annual Regional Conference, Washington, DC (March).
- 2002 “Science and literacy for linguistically diverse elementary students.” Sponsored by the Urban Science Education Center, Teachers College, Columbia University, New York, NY (April).
- 2002 “Science for all: Instructional intervention to promote science learning and literacy development of linguistically diverse elementary students.” Sponsored by the School of Education at the University of California at Santa Barbara, CA (April).
- 2002 “Diversity and teaching,” at the Lecture Series for the University of Miami Alumni (April).
- 2001 “Science for all students,” at the 2001 Southwest regional conference, Strengthening the Quality of Mathematics and Science Learning for All:

Measuring What Matters. Sponsored by the National Science Foundation and hosted by the Southwest Educational Development Laboratory, San Antonio, TX (December).

- 2001 “Science instruction for English language learners,” at the Bureau-wide Education Conference, All for All: Leading Through Service. Florida Department of Education, Bureau of Equity, Safety, and School Support, St. Petersburg, FL (October).
- 2001 “The achievement gap in science and mathematics education,” at the National Science Foundation, Washington, DC (May).
- 2000 “Science instruction for culturally and linguistically diverse students,” at the Project TAT One-Day Institute, School of Education, University of Illinois at Chicago (June).
- 2000 “Equity for culturally and linguistically diverse students in science education: Recommendations for a research agenda,” at the National Institute for Science Education (NISE) Forum: Diversity and Equity in Science Education: What Do We Know and What Do We Need to Know?” Detroit, MI (May).
- 1998 “Science instruction and assessment for English language learners in the state of Florida,” at the Policies and Practices for Instruction and Assessment of English Language Learners Symposium, Miami, FL. Sponsored by the Florida Department of Education, Office of Multilingual Student Language Education (March).
- 1996 “Science teacher education for the 21st century in South Korea,” at the International Seminar and Workshop in Science Education: The 20th Anniversary of the Korean Association for Research in Science Education, Seoul, South Korea (May).
- 1996 “Science literacy with students from diverse languages and cultures,” at the Bilingual and Second Language Education Research Symposium. Sponsored by the Bilingual Education Program at the University of New York at Buffalo-Buffalo Public Schools, New York (April).
- 1995 "Culturally and linguistically diverse students in science education," at the State-Wide Systemic Initiative (SSI) Cross-State Work Session, Miami, FL. (June). Supported by the National Science Foundation and the Education Development Center, Newton, MA.

Note: In addition to making a keynote speech, I also served as the local coordinator of the conference.

1991 "Comparative perspectives of science education in the United States and South Korea," at the Department of Physical Science Education, Seoul National University, South Korea.

1989 "Student motivation to learn," at the Department of Psychology and Education, Miami-Dade Community College, Miami, FL.

DISCUSSANT

- 2017 "Using NGSS to inform and provide equitable instruction, learning, and assessments to diverse students." Poster session at the annual meeting of the American Educational Research Association (AERA), San Antonio, TX (April).
- 2013 "What's language got to do with it?" Presentations at the principal investigators' meeting." U.S. Department of Education Institute of Education Sciences, Washington, DC (September).
- 2011 "Advancing English language learners in science and math: Realizing the promise." Roundtable session at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- 2011 "Language in the science classroom." Paper session at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- 2011 "Advancing English language learners in science and math: Realizing the promise." Symposium at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- 2011 "Effective science teaching for English language learners." Symposium at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- 2010 "NARST sponsored session for new researchers." Symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), Philadelphia, PA.
- 2010 "Writing a competitive proposal for the National Science Foundation's (NSF) Division of Research on Learning in Formal and Informal Settings (DRL): Strategies and tips for novice and seasoned proposers." Pre-conference workshop at the annual meeting of the National Association for Research in Science Teaching (NARST), Philadelphia, PA.
- 2009 "Culturally relevant science teaching and learning." Symposium at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.

- 2008 “The relationship between integrated science, language and literacy teaching, and student learning in diverse classrooms.” Symposium at the annual meeting of the American Educational Research Association (AERA), New York, NY.
- 2008 “Bridging marginalized science stories, experiences, and meanings.” Symposium at the annual meeting of the American Educational Research Association (AERA), New York, NY.
- 2005 “Science instruction for all: Responsive pedagogies in scientific inquiry development.” Symposium at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- 2005 “Navigating the academy: Critical issues for scholars of color.” Pre-conference workshop organized by M. Atwater, G. Solano-Flores, & O. Lee at the annual meeting of the National Association for Research in Science Teaching (NARST), Dallas, TX.
- 2004 “Research and writing process for underrepresented scholars.” Pre-conference workshop organized by O. Lee, A. Rodriguez, & O. Norman at the annual meeting of the National Association for Research in Science Teaching (NARST), Vancouver, Canada.
- 2003 “Increasing the capacity for change in districts with diverse student populations.” Symposium at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- 2003 “Science instruction for all: Promoting science and literacy for linguistically and culturally diverse elementary students.” Symposium at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- 2003 “The effects of power, culture, and discourse as they impact learners in science education.” Paper session at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
- 2001 “Learning in two languages: Teaching and learning literacy and science in an urban elementary school.” A symposium at the annual meeting of the American Educational Research Association (AERA), Seattle, WA.
- 2001 “Theoretical and empirical perspectives on urban science education.” A symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), St. Louis, MO.
- 2000 “Grounded science: Making sense of urban science education with youth and teachers.” A symposium at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.

- 2000 “Inquiry-based science supported by technology.” A symposium at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- 2000 “Demystifying the research writing process for underrepresented scholars.” An extended course for professional development and training at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
- 2000 “From good intentions to transformative action: Exploring the practical issues of teaching ‘science for all’ in various school contexts.” A symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), New Orleans, LA.
- 2000 “Science education for all? Examining connections/disconnections between theory and classroom practice and finally moving this idea from rhetoric toward reality–Part I.” A symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), New Orleans, LA.
- 2000 “Designing and revising curriculum for diverse learners: Promoting scientific understandings through inquiry and embedded technologies.” A symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), New Orleans, LA.
- 1999 “Organizational resources in support of teaching for understanding in mathematics and science.” A symposium at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
- 1999 “Negotiated practices: Teaching, learning, and researching in science.” A paper session at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.

CONFERENCE PRESENTATIONS

133. Llosa, L., **Lee, O.**, Van Booven, C., & Haas, A. (2017). *Impact of a multiyear elementary science intervention focused on English language learners*. Paper to be presented at the annual meeting of the American Educational Research Association (AERA), San Antonio, TX.
132. **Lee, O.**, Llosa, L., & Maerten-Rivera. (2016). *Curricular and professional development intervention in elementary science instruction with a focus on English language learners*. Symposium presented at the annual meeting of the American Educational Research Association (AERA), Baltimore, MD.
131. Llosa, L., **Lee, O.**, Jiang, F., O’Connor, C., & Haas, A. (2015). *The impact of a fifth-grade science curricular and professional development intervention on student science*

- achievement with a focus on English language learners: Evidence from a randomized controlled trial.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
130. Van Booven, C., Llosa, L., & **Lee, O.** (2015). *Spontaneous analogies in elementary student writing: An “untapped” resource for constructing scientific explanations.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
 129. O’Connor, C., Llosa, L., Jiang, F., & **Lee, O.** (2015). *Intervention’s effect on elementary teachers’ science knowledge and practices with English language learners: Year 1 results.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
 128. Januszyk, R., & **Lee, O.** (2014). *NGSS case study on economically disadvantaged students: Developing conceptual models to explain chemical processes.* Presentation at the annual meeting of the Washington Science Teachers Association, Spokane, WA.
 127. Januszyk, R., & **Lee, O.** (2014). *Effective instruction for English language learners: Using language while doing science and engineering practices.* Presentation at the annual meeting of the Washington Science Teachers Association, Spokane, WA.
 126. Diamond, B., Maerten-Rivera, J., & **Lee, O.** (2014). *Effect of a curricular and professional development intervention on elementary teachers’ science content knowledge.* Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Pittsburgh, PA.
 125. Lindskoog, G., Maerten-Rivera, J., Ahn, S., Diamond, B., & **Lee, O.** (2014). *Teachers’ perceptions of high-stakes testing and accountability in elementary science.* Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Pittsburgh, PA.
 124. O’Connor, C., **Lee, O.**, Jiang, F., & Llosa, L. (2014). *School resources in teaching science to English learners across three school districts in one state.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Philadelphia, PA.
 123. Haas, A., Jiang, F., **Lee, O.**, & Hollimon, S. (2014). *Elementary science teachers’ perceptions of high-stakes science assessment.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Philadelphia, PA.
 122. Llosa, L., Van Booven, C., & **Lee, O.** (2014). *Teaching content standards to English language learners: Elementary science teachers’ use of language development strategies.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Philadelphia, PA.
 121. Maerten-Rivera, J., Adamson, K. H., Huggins, A. C., **Lee, O.**, Llosa, L., Jiang, F., &

- Rohrer, R. (2014). *The development and validation of instruments used to measure teachers' science knowledge and teaching practices in a professional development project*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Philadelphia, PA.
120. Haas, A., & **Lee, O.** (2014). *Promoting science among English language learners*. Presentation at the conference on Language, Culture, and Identity organized by the Multilingual and Multicultural Center of Portland Public Schools, Portland, ME.
119. **Lee, O.**, Buxton, C. A., Stoddart, T., Rodriguez, A. J., & Mosqueda, E. (2013). *Addressing the challenges of conducting large-scale projects in educational contexts*. Symposium presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
118. Quinn, H., **Lee, O.**, & Valdés, G. (2013). *Language demands and opportunities for English language learners: What teachers need to know*. Symposium presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
117. **Lee, O.**, Ahn, S., Lanier, K. S., & Rohrer, R. (2013). *School resources in teaching science to English language learners in urban elementary schools: Year 1 results*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
116. Maerten-Rivera, J., **Lee, O.**, Penfield, R. D., & Huggins, A. C. (2013). *The effects of student mobility to a three-year intervention on science achievement: An issue of fidelity*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
115. Lanier, K. S., Suarez, M., Ahn, S., **Lee, O.**, & Hunter, T. (2013). *Principal support: Does it influence teachers' science instructional practices during a science intervention?* Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Rio Grande, Puerto Rico.
114. Diamond, B., Maerten-Rivera, J., Rohrer, R., & **Lee, O.** (2013). *A professional development intervention's effectiveness on elementary teachers' science content knowledge and student achievement outcomes*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Rio Grande, Puerto Rico.
113. Diamond, B., Maerten-Rivera, J., Rohrer, R., & **Lee, O.** (2013). *Effectiveness of curricular and professional development intervention on elementary teachers' science content knowledge and student achievement outcomes: Year 1 results*. Paper presented at the annual meeting of the Association for Science Teacher Education (ASTE), Charleston, SC.

112. **Lee, O.**, Negrón, C., Meade, L., & Thrift, M. (2013). *Promoting Science among English Language Learners (P-SELL) Scale-up*. Presentation at the annual meeting of the Florida Association of Science Teachers, Miami, FL.
111. Diamond, B., Maerten-Rivera, J., Rohrer, R., & **Lee, O.** (2012). *The effect of teacher science content knowledge on student achievement as measured by the science FCAT*. Paper presented at the annual meeting of the Florida Educational Research Association, Gainesville, FL.
110. Maerten-Rivera, J., Adamson, K., Ahn, S., & **Lee, O.** (2012). *An examination of the validity and reliability of constructs used to measure teachers' science knowledge and practices in a longitudinal intervention*. Paper presented at the annual meeting of the Florida Educational Research Association, Gainesville, FL.
109. **Lee, O.** (2012). *Next Generation Science Standards for English language learners*. Presentation at the Back-to-School Professional Development Conference, Orange County Public Schools, Orlando, FL.
108. **Lee, O.**, Ahn, S., Diamond, B., Lanier, K., Lindskoog, G., Maerten-Rivera, J., & Rohrer, R. (2012). *Promoting science among English language learners (P-SELL) efficacy study*. Symposium session at the annual meeting of the National Association for Research in Science Teaching (NARST), Indianapolis, IN.
107. Callihan, L., & **Lee, O.** (2012). *Promoting science among English language learners*. Presentation at the 13th Annual Sharing Our Success Conference in Urban Science and Math Teaching/STEME. Collaboration between New York City Department of Education and Steinhardt School of Culture, Education, and Human Development at New York University, New York, NY.
106. Callihan, L., & **Lee, O.** (2012). *Promoting science among English language learners*. Presentation at the Back-to-School Professional Development Conference, Orange County Public Schools, Orlando, FL.
105. **Lee, O.**, de Armas, M., Diaz, J., & Breeding, A. (2012). *Promoting science among English language learners*. Presentation at the annual summit of the Association of Latino Administrators and Superintendents (ALAS), Miami, FL.
104. **Lee, O.**, Milano, M., Meade, L., Negrón, C., & Zimmerman, R. (2012). *Promoting science among English language learners*. Presentation at the annual conference organized by the National Center for Research on the Educational Achievement and Teaching of English Language Learners (CREATE), Orlando, FL.
103. Crawford, B., **Lee, O.**, et al. (2011). *Supporting teachers in teaching science as inquiry: What is the evidence for effective professional development?* Symposium session at the annual meeting of the National Association for Research in Science Teaching (NARST), Orlando, FL.

102. Bianchini, J., Ackerson, V., Calabrese Barton, A., **Lee, O.**, & Rodriguez, A. (2011). *Moving the equity agenda forward: Equity research, practice, and policy in science education*. Interactive poster session at the annual meeting of the National Association for Research in Science Teaching (NARST), Orlando, FL.
101. Adamson, K., Santau, A., & **Lee, O.** (2011). *Elementary teachers' strategies for teaching science with diverse student populations in urban elementary schools*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
100. Gattamorta, K., **Lee, O.**, & Penfield, R. D. (2011). *Comparing the performance of English language learners to non-English language learners on a measure of science*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
99. Maerten-Rivera, J., & **Lee, O.** (2011). *Teacher change in elementary science instruction with English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
98. Mahotiere, M., Neporcha, C., & **Lee, O.** (2011). *Children of promise: Immigrant Haitian parents' aspirations for their children*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
97. **Lee, O.**, & Penfield, R. D. (2011). *Science achievement of English language learners in urban elementary schools: Multi-year intervention across multiple grades*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
96. Penfield, R. D., & **Lee, O.** (2011). *Year 1 of an efficacy trial of Promoting Science among English Language Learners (P-SELL): Intervention, results, and limitations*. Paper presented at the Society for Research on Educational Effectiveness Conference, Washington, DC.
95. Adamson, K., Maerten-Rivera, J., & **Lee, O.** (2010). *Lessons learned during a five-year professional development intervention promoting science Instruction among English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Denver, CO.
94. **Lee, O.**, Penfield, R. D., & Buxton, C. A. (2010). *Relationship between "form" and "content" in science writing among English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Denver, CO.
93. Maerten-Rivera, J., Myers, N., **Lee, O.**, & Penfield, R. D. (2010). *Student and school predictors of high-stakes assessment in science*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Denver, CO.

92. Adamson, K. H., Secada, W. G., Maerten-Rivera, J., & Lee, O. (2009). *The impact of an integrated mathematics and science curriculum on third-grade students' measurement achievement*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
91. Cone, N., Mahotiere, M., Buxton, C. A., & Lee, O. (2009). *Comparing or complementary? Home and school identity formation of Haitian youth in South Florida*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
90. Huggins, A. C., Penfield, R. D., Lee, O., & Maerten-Rivera, J. (2009). *Student mobility and science achievement: The impact of intervention exposure on the efficacy of a 3-year science intervention*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
89. Santau, A. O., Buxton, C. A., & Lee, O. (2009). *Science and literacy assessments with English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
88. Santau, A. O., Maerten-Rivera, J., Cone, N., & Lee, O. (2009). *Relationships among domains of teachers' knowledge and practices in science with English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
87. Adamson, K., Maerten-Rivera, J., & Lee, O. (2008). *Teachers' perspectives on a professional development intervention to improve science instruction among English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.
86. Lee, O. (2008). *Cultural and home language influences on children's responses to science assessments*. Paper presented for a symposium at the annual meeting of the American Educational Research Association (AERA), New York, NY.
85. Lee, O., & Penfield, R. D. (2008). *Methodological issues in an urban study*. Paper presented at the DR-K12 PI meeting of the National Science Foundation, Washington, DC.
84. Lewis, S., Adamson, K., Maerten-Rivera, Lee, O., & Secada, W. G. (2008). *Relationships between science practices and English language practices in urban elementary classrooms*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.
83. Mahotiere, M., Maerten-Rivera, J., & Lee, O. (2008). *Science writing achievement among English language learners: Results of three-year intervention in urban elementary schools*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.

82. Maerten-Rivera, J., Penfield, R. D., Myers, N., Buxton, C. A., & **Lee, O.** (2008). *Relationship of school and teacher variables to science instruction practices with English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.
81. Santau, A., Maerten-Rivera, J., Cone, N., & **Lee, O.** (2008). *Urban elementary school teachers' knowledge and practices in teaching science to English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.
80. Buxton, C. A., Mahotiere, M., **Lee, O.**, & Secada, W. G. (2007). *Bringing culture in through the back door: 3rd grade teachers analyze English language learners' reasoning about measurement*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
79. Lewis, S., Adamson, K., Maerten-Rivera, J., **Lee, O.**, & Secada, W. G. (2007). *Urban elementary school teachers' knowledge and practices in the context of teaching science to English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
78. Maerten-Rivera, J., Penfield, R. D., Myers, N., & **Lee, O.** (2007). *Relationship of school and teacher variables to science instruction practices with English language learning (ELL) students*. Paper presented at the annual meeting of the Florida Educational Research Association (FERA), Tampa, FL.
77. Maerten-Rivera, J., **Lee, O.**, Buxton, C. A., Penfield, R. D., & Secada, W. G. (2007). *Urban elementary school teachers' perceived knowledge, practices, and organizational supports and barriers in science instruction with English language learners*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
76. Mahotiere, M., Elliott, M., Santau, A., Buxton, C. A., & **Lee, O.** (2007). *Examining science knowledge and reasoning skills of third grade ELL students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
75. Buxton, C. A., **Lee, O.**, Lewis, S., Adamson, K., Carr-LeRoy, K., Santau-Sodhi, A., Mahotiere, M., & Maerten-Rivera, J. (2006). *Promoting science among English language learners in a high-stakes testing policy context*. Symposium presented at the annual meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA.
74. **Lee, O.** (2005). *Examining modifications of curriculum units for student groups in multilingual, multicultural, or urban contexts*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.

73. Hart, J., & Lee, O. (2005). *Case studies in culturally relevant science teaching: Linking teacher beliefs and practices to student achievement*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
72. Lester, B., Ma, L., Lee, O., & Lambert, J. (2005). *Social activism in elementary science education: An STS approach to teach global warming*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
71. Lambert, J., & Lee, O. (2005). *Diverse students' achievement and perceptions of an inquiry-based earth systems curriculum*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Dallas, TX.
70. Buxton, C. A., Lee, O., Luykx, A., & Shaver, A. (2005). *Elementary teachers' beliefs and practices regarding linguistic and cultural diversity in science and literacy instruction*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Dallas, TX.
69. Atwater, M., Chinn, P., Key, S., Arambula-Greenfield, T., & Lee, O. (2005). *The research lens on science teacher education*. Symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), Dallas, TX.
68. Lee, O., & Luykx, A. (2004). *Scaling up of instructional interventions with elementary students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
67. Tharp, R. G., Genessee, F., Datnow, A. L., Lee, O., Cooper, C. R., Knight, S. L., Howey, K. R., & Padron, Y. N. (2004). *Closing the achievement gap: Setting a research agenda for equitable education in the United States*. Presidential invited symposium at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
66. Luykx, A., Lee, O., Hart, J., & Lester, B. (2004). *Cultural and home language influence in elementary students' constructed responses on science assessments*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
65. Cuevas, P., Lee, O., Hart, J., & Deaktor, R. (2004). *Promoting science inquiry with students from diverse languages and cultures*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
64. Lambert, J., Lester, B., & Lee, O. (2004). *Professional development in earth systems education: Teacher beliefs and practices in promoting science and English language and literacy*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Vancouver, Canada.
63. Deaktor, R., Lee, O., & Enders, C. (2003). *Impact of an instructional intervention on science and literacy achievement*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.

62. Hart, J., **Lee, O.**, & Enders, C. (2003). *Promoting science and literacy among linguistically diverse students: Impact of instructional intervention on teacher knowledge, beliefs, and practices*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
61. Luykx, A., **Lee, O.**, & Lambert, J. (2003). *Gauging instructional congruence in elementary science classrooms: Methodological application of a theoretical framework*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
60. **Lee, O.**, and others. (2003). *Inquiry in the classroom*. Symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), Philadelphia, PA.
59. **Lee, O.** (2003). *Scaling up of instructional intervention for science and literacy with linguistically diverse elementary students in urban schools*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Philadelphia, PA.
58. **Lee, O.**, and others. (2003). *CREDE Institute–Diversity in education*. Symposium at the annual meeting of the National Association for Bilingual Education (NABE), New Orleans, LA.
57. Bessell, A. G., **Lee, O.**, Schumm, J. S., Barza, L., & Rangel, A. (2002). *The many faces of success: Lessons learned from South Florida Annenberg Challenge case studies*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
56. **Lee, O.**, Cuevas, P., Deaktor, R., Hart, J. Ceballos, M., Laurence, S., & Palomo, E. (2002). *Promoting science and literacy for linguistically diverse elementary students*. Symposium at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
55. **Lee, O.**, Lambert, J., Cuevas, P., Deaktor, R., & Hart, J. (2002). *Instructional intervention to promote science and literacy for linguistically diverse elementary students*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), New Orleans, LA.
54. García, G., Reyes, I., **Lee, O.**, Deaktor, R., & Hart, J. (2002). *Science instruction for all: Promoting science and literacy for linguistically diverse elementary students*. Symposium at the annual meeting of the National Association for Bilingual Education (NABE), Philadelphia, PA.
53. **Lee, O.**, Fradd, S. H., & Campbell, A. (2001). *Promoting science inquiry with linguistically diverse elementary students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Seattle, WA.

52. **Lee, O., & Fradd, S. H. (2001).** *Instructional congruence for linguistically diverse students in science education.* Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), St. Louis, MO.
51. Rangel, A., Barza, L., Bessell, A., **Lee, O., & Schumm, J. (2001).** *Case study of the South Florida Annenberg Challenge project.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Seattle, WA.
50. **Lee, O., & Fradd, S. H. (2000).** *Teacher learning and change in science and literacy instruction for linguistically diverse students.* Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
49. **Lee, O. (1999).** *Worldviews: Ethnicity, gender, and social class.* Paper presented as part of a pre-conference NARST workshop at the annual meeting of the National Association for Research in Science Teaching (NARST), Boston, MA.
48. **Lee, O., & Fradd, S. H. (1999).** *Instructional congruence for linguistically diverse students in science education.* Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Boston, MA.
47. **Lee, O. (1999).** *Science instruction for language enriched pupils.* Paper presented as part of the symposium, "Creating a multilingual global work force: Enabling students from diverse language backgrounds to achieve parity within the mainstream," at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
46. **Lee, O. (1999).** *Science learning: Instruction and assessment in the classroom.* Paper presented as part of the symposium, "Promoting mathematics and science learning for students from diverse languages and cultures," at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
45. Fradd, S. H., & **Lee, O. (1999).** *Needed: A framework for integrating standardized and informal assessment for students developing academic language proficiency in English.* Paper presented at the annual meeting of the American Educational Research Association (AERA), Montreal, Canada.
44. **Lee, O. (1998).** *Cultural and linguistic competence in talking about science.* Paper presented as part of the symposium, "Discourse perspectives in science education: Theories, methods, and future directions," at the annual meeting of the National Association for Research in Science Teaching (NARST), San Diego, CA.
43. **Lee, O. (1998).** *Current conceptions of science achievement and implications for assessment and equity in large education systems.* Paper presented as part of the symposium, "Evaluating systemic initiatives," at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.

42. **Lee, O.**, & Fradd, S. H. (1988). *Linguistically diverse students' perceptions of science education*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
41. **Lee, O.**, & Fradd, S. H. (1988). *Instructional congruence for linguistically diverse students in science education*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
40. Fradd, S. H., & **Lee, O.** (1998). *Multiple representations by linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.
39. Fradd, S. H., & **Lee, O.** (1998). *Promoting language development through science learning*. Paper presented at the 32nd annual meeting of the Teaching English to Speakers of Other Languages (TESOL), Seattle, WA.
38. Fradd, S. H., & **Lee, O.** (1998). *Inquiry based hands-on science with linguistically diverse students*. Paper presented as part of the symposium, "More effective learning outcomes from inquiry-based science laboratory instruction," at the American Association for the Advancement of Science (AAAS) Annual Meeting and Science Innovation Exposition, Philadelphia, PA.
37. **Lee, O.**, Fradd, S. H., & Sutman, F. X. (1997). *Science conceptions among linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
36. Jones, L., Aikenhead, G. S., Atwater, M. M., **Lee, O.**, Lynch, S. J., & Rodríguez, A. J. (1997). *Science education for all? Can we achieve educational equity without an antiracist critique?* Symposium at the annual meeting of the National Association for Research in Science Teaching (NARST), Chicago, IL.
35. **Lee, O.** (1997). *Issues of science learning: School and classroom-based policies and practices*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
34. **Lee, O.**, & Fradd, S. H. (1997). *Using instructional assessment to promote science learning*. Paper presented at the annual meeting of Teachers of English to Speakers of Other Languages (TESOL), Orlando, FL.
33. **Lee, O.**, & Fradd, S. H. (1996). *The interplay among language, science knowledge, and cognitive strategy use with linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.
32. Fradd, S. H., & **Lee, O.** (1996). *Program evaluation as an on-going process for model program development: A case study of an ESOL teacher education program*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New York, NY.

31. **Lee, O.**, & Fradd, S. H. (1996). *Interactional patterns of linguistically diverse students during science performance*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), St. Louis, MO, and the Intercultural/International Communication Conference, Miami, FL.
30. Atwater, M., Elleman, J. E., **Lee, O.**, & Lynch, S. (1996). *Project 2061 Equity Blueprint*. Symposium and panel discussion at the annual meeting of the National Association for Research in Science teaching (NARST), St. Louis, MO.
29. Fradd, S. H., **Lee, O.**, & Merrill, H. (1996). *Measuring students' understanding of literacy and science*. Paper presented at the annual meeting of Teaching English to Speakers of Other Languages (TESOL), Chicago, IL.
28. Atwater, M., **Lee, O.**, Lynch, S., Ross, P., & Stefanich, G. (1995). *Project 2061 Equity Blueprint*. Symposium and panel discussion at the annual meeting of the American Association of Colleges for Teacher Education (AACTE), Chicago, IL.
27. **Lee, O.** (1995). *Children's views of the world in social and cultural contexts*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
26. **Lee, O.**, & Fradd, S. H. (1995). *Science knowledge and cognitive strategies among culturally and linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
25. Fradd, S. H., & **Lee, O.** (1995). *Interactional patterns during science performance among culturally and linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
24. Atwater, M., Eccles, J., Elleman, J. E., **Lee, O.**, Lynch, S., & Secada, W. G. (1995). *Project 2061 Equity Blueprint*. Symposium and panel discussion at the annual meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA.
23. Burns-Hoffman, R., Fradd, S. H., & **Lee, O.** (1994). *Patterns of anaphora in students' expository discourse*. Paper presented at the Boston University Conference on Language Development, Boston, MA.
22. **Lee, O.** (1994). *Children's views of the world in social and cultural contexts*. Paper presented at the Spencer Fellows Forum, the National Academy of Education Meeting, New Orleans, LA.
21. **Lee, O.**, Cuevas, G., & Francisco, J. (1994). *Staff development model in elementary school mathematics and science: Impact on teachers and students*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.

20. **Lee, O.**, & Fradd, S. H. (1994). *Science knowledge, cognitive strategies, and motivational orientations of culturally and linguistically diverse students*. Paper presented at the meeting of the National Association for Research in Science Teaching (NARST), Anaheim, CA.
19. Fradd, S. H., & **Lee, O.** (1994). *Literacy skills and science knowledge across culturally and linguistically diverse students*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Anaheim, CA.
18. Fradd, S. H., & **Lee, O.** (1993). *Collecting and analyzing language samples of student performance: How can we do it? What can we learn?* Southeast TESOL Regional Conference, Fort Lauderdale, FL.
17. **Lee, O.**, & Cuevas, G. (1993). *Collaboration for teacher enhancement in elementary school mathematics and science*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Atlanta, GA.
16. **Lee, O.** (1993). *Style, little substance in the complexities of classroom teaching*. Paper presented at the annual meeting of the Intercultural/International Communication Conference, Miami, FL.
15. **Lee, O.** (1991). *Achievement and motivation in middle school science classrooms*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
14. **Lee, O.** (1991). *Student motivation in middle school science classrooms*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
13. **Lee, O.** (1991). *The quality of task engagement as a measure of classroom motivation*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
12. McIntosh, R. M., Vaughn, S., Schumm, J. S., Gordon, J., & **Lee, O.** (1991). *Observations of planning and adaptations made by teachers for divergent learners in regular classrooms*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Chicago, IL.
11. **Lee, O.**, Anderson, C. W., & Eichinger, D. (1990). *Effects of conceptual change approach on student motivation to learn in middle school science classrooms*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Boston, MA.
10. **Lee, O.**, Eichinger, D., Anderson, C. W., Berkheimer, G. D., & Blakeslee, T. C. (1989). *Changing middle school students' conceptions of matter and molecules*. Paper presented

- at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
9. **Lee, O.**, & Salwen, M. B. (1989). *Press coverage of education in developed and developing nations: A comparison of the United States and the Republic of Korea*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
 8. **Lee, O.**, & Anderson, C. W. (1988). *The relationship between student motivation to learn science and conceptual understanding in middle school*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
 7. **Lee, O.**, & Porter, A. C. (1988). *Bounded rationality in classroom teaching*. Paper presented at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA.
 6. Eichinger, D., & **Lee, O.** (1988). *Alternative students' conceptions of kinetic molecular theory*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Lake Ozark, MO.
 5. **Lee, O.** (1987). *Teacher expectations and differential treatment of whole classes in middle school science: Bounded rationality*. Paper presented at the annual meeting of the American Educational Research Association (AERA), Washington, DC.
 4. Contreras, A., & **Lee, O.** (1987). *Differential treatment of students by middle school science teachers: Unintended cultural bias*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Washington, DC.
 3. **Lee, O.**, & Gallagher, J. J. (1987). *Continuing professional development activities of secondary school science teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Washington, DC.
 2. **Lee, O.**, & Gallagher, J. J. (1986). *Middle school science teachers' perceptions of their instructional roles*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA.
 1. **Lee, O.**, & Gallagher, J. J. (1986). *Differential treatment of individual students and whole classes by middle school science teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA.

COURSES TAUGHT

2011-present	Steinhardt School of Culture, Education, and Human Development, New York University, New York
	LANED-GE 2039 Advanced Individual Projects in Multilingual and Multicultural Studies
	CHDED-UE 1141 Integrated Curricula in Science, Health, and

Mathematics in Childhood Education
CHDED Student Teacher Supervision

1989-2011 School of Education, University of Miami, Florida
Taught undergraduate and graduate courses for Departments of Educational and Psychological Studies (EPS) and Teaching and Learning (TAL):

EPS 553	Introduction to Educational Statistics
EPS 605	Psychological Bases of Education
EPS 650	Essentials of Educational Research
EPS 651	Qualitative and Descriptive Research in Education
TAL 103	Psychological Foundations of Education
TAL 423	Science and Social Studies Instruction in the Elementary School
TAL 444	Methods for Teaching Science in Secondary School
TAL 501	Classroom-Based Measurement
TAL 502	Classroom-Based Research
TAL 519	Equity in Mathematics, Science, and Technology
TAL 594	Workshop in Education: Middle School Science
TAL 641	Curriculum Development for TESOL (team teaching)
TAL 660	Theories and Applications of Instruction
TAL 741	Doctoral Seminar on Teaching and Teacher Education in Mathematics and Science

DOCTORAL DISSERTATION AND MASTER'S THESIS COMMITTEES

2015-2016 Steinhardt School of Culture, Education, and Human Development, New York University, New York

Academic Advisor and Dissertation Chair

1. Haas, Alison (Teaching and Learning).

1990-2014 School of Education, University of Miami, Florida
Served on dissertation committees for doctoral students in the School of Education at the University of Miami:

Academic Advisor and Dissertation Chair (listed chronologically)

4. Lindskoog, Georgina (Teaching and Learning). *The impact of a curricular and professional development intervention on elementary science teachers' perceptions of high-stakes testing and accountability.*
3. Diamond, Brandon (Teaching and Learning). *Effect of a curricular and professional development intervention on elementary teachers' science content knowledge.*
2. Santau, Alexandra (Teaching and Learning). *Elementary school teachers' knowledge and practices in teaching science to English language learners.*

1. Thurmond, Carolyn (Teaching and Learning). *Conceptions of scientific literacy among science professors and science education professors.*

Dissertation Committee Member (listed alphabetically)

1. Adamson, Karen (Teaching and Learning)
2. Alexander, Karlene (Teaching and Learning)
3. Brammer, Norman (Higher Education)
4. Caballero, Alexander (Educational Leadership)
5. Campbell, Aubrey (Teaching and Learning)
6. Chesley, Josephine. (Educational Leadership)
7. DeNight, Shawn (Teaching and Learning)
8. Elliott, Marcella (Teaching and Learning)
9. Forgan, Jim (Special Education and Reading)
10. Francisco, Janet (Teaching and Learning)
11. Giroux, Valerie (Educational Leadership)
12. Hathcock, Francis (Educational Leadership)
13. Hughes, Marie (Special Education and Reading)
14. Karp, Martin, S. (Educational Leadership)
15. King, Stephanie (Teaching and Learning)
16. Linn, Lorraine (Teaching and Learning)
17. Ma, Li (Teaching and Learning)
18. Maerten-Rivera, Jaime (Research, Measurement, and Evaluation)
19. Marquard, Kenneth, R. (Special Education and Reading)
20. Powers, Kathy (Special Education and Reading)
21. Rassi, Loudes, C. (Educational Leadership)
22. Salinas, Alejandra (Teaching and Learning)
23. Saumell, Linda (Special Education and Reading)
24. Sharpe, Sheree (Teaching and Learning)
25. Skaruppa, Cindy (Educational Leadership)
26. Vandiver, Fran (Educational Leadership)
27. Walsh-Minor, Regina (Higher Education)
28. Whitely, Patricia (Educational Leadership)

1992-2014

Outside Member at the University of Miami (listed chronologically)

6. Donaher, Shaunna (Doctoral dissertation study for the Meteorology and Physical Oceanography program)
5. Luoh, Shiunn-Hyuan (Master's thesis in the School of Communication)
4. Palacios, Wilson, R. (Master's thesis in the Department of Sociology, College of Arts and Sciences)
3. Reed, M. D. (Master's thesis in the School of Communication)
2. Kronforst, Marcus, R. (Senior thesis)
1. Zaslavsky, Hallee N. (Senior thesis)

2006-2008

Outside Member at Another Institution

1. Lopez-Ferrao, Julio (Doctoral dissertation committee in the School of

Education at George Mason University)

SERVICE TO NEW YORK UNIVERSITY

- 2013-present Co-Chair, Doctoral Committee, Department of Teaching and Learning, Steinhardt School of Culture, Education, and Human Development.
- 2014-2015 Music Education Search Committee, Steinhardt School of Culture, Education, and Human Development.
- 2014-2015 Childhood Education and Multilingual and Multicultural Studies Search Committee, Department of Teaching and Learning.
- 2014-2015 Promotion and Tenure Committee, Department of Teaching and Learning.
- 2014 Attendance at New York University Korean Alumni Association event in South Korea.
- 2014 Dean's Convocation for New Undergraduate Students, Steinhardt School of Culture, Education, and Human Development.
- 2014 Faculty Speaker at Baccalaureate Ceremony, Steinhardt School of Culture, Education, and Human Development.
- 2013-2014 Dean Search Committee, Steinhardt School of Culture, Education, and Human Development.
- 2013-2014 Search Committee for Multilingual and Multicultural Studies, Department of Teaching and Learning.
- 2012-2013 Search Committee for Music Education, Steinhardt School of Culture, Education, and Human Development.
- 2011-2013 Teacher Education Working Group, Steinhardt School of Culture, Education, and Human Development.
- 2011-2013 Cabinet for the Department of Teaching and Learning.

SERVICE TO THE UNIVERSITY OF MIAMI

- 2010 Grand Marshall for Commencement Ceremony, University of Miami.
- 2010 Provost's Award for Scholarly Activity Selection Committee, University of Miami.
- Note:* The Committee selected three to five faculty members for University-wide awards based on research productivity.
- 2008-2010 University of Miami Fellows Selection Committee, University of Miami.

Note: The Committee selected incoming doctoral students for University-wide fellowship awards.

2007-2010	School of Education Research Policy Committee, School of Education.
2006-2007	Search Committee for the Associate Provost and Dean of Graduate School, University of Miami.
2006	Search Committee for the Dean of the School of Education, University of Miami.
2004-2007	School Council, School of Education.
2000-2003	Committee for the School of Education Research Center, School of Education.
1999-2001	Strategic Planning Committee for the Library, University of Miami.
1999-2001	Faculty Diversity Recruitment Committee, School of Education.
1999-2001	School Council, School of Education.
1999	Chair, Task Force on Improving the Quality and Visibility of the School's Research, School of Education.
1998-1999	Chair, Ad Hoc Committee on Funded Projects, Department of Teaching and Learning.
1998-1999	Search Committee for the Department of Teaching and Learning.
1996-1997	Chair, Doctoral Programs Committee, Department of Teaching and Learning.
1996-1997	Chair, Search Committee for the Chairperson of the Department of Teaching and Learning.
1994-2000	English to Speakers of Other Languages (ESOL)/Bilingual Education Committee, Department of Teaching and Learning.
1993-2000	Undergraduate Secondary Education Committee, Department of Teaching and Learning.
1994-1995	Preparation of the "conceptual framework/knowledge base" document for the National Council for Accreditation of Teacher Education (NCATE) review.

- 1994-1995 Preparation of the folio for the Undergraduate Secondary Science Education Program to the Florida Department of Education.
- 1992 Preparation of a comprehensive report on the faculty and student affairs during the 1987-1992 academic years in the School of Education.

COMMUNITY SERVICE

- 2011, 2012, 2013 Judge, Miami-Dade Public Schools Elementary School Science Fair, Miami, FL.

Note: The P-SELL project received a certificate of appreciation for its contribution to improving science education in the school district.

- 1998 Judge, MCI International Scholar Awards, Miami, FL.
- 1991-1992 Newspaper Columnist, *Korean-American Journal*, a 20,000-circulation newspaper serving Korean readers in Florida. Contributed twice-monthly columns on education issues.

May 25, 2017