

LINDSAY K. LIGHTNER

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EDUCATION

- 2014–present Washington State University, Richland and Pullman, WA
Ph.D. candidate, Mathematics and Science Education
Dissertation: *Science Teaching Self-Efficacy and Funds of Knowledge in Paraprofessional Preservice Elementary Teachers*
Committee: Andy Cavagnetto (chair), Brian French, Judith Morrison, Amy Roth McDuffie
- 2001 Johns Hopkins University, Baltimore, MD
M.A., The Writing Seminars
Thesis: *The Clearness of Coursing Sky*
- 1998 Carleton College, Northfield, MN
B.A., Geology *magna cum laude*, departmental distinction in major
Minor: Environment and Technology Studies
Thesis: *Paleosols of the Mascall Formation, Oregon: Implications for Miocene Paleoclimate Change*

PROFESSIONAL APPOINTMENTS

- 2016–present Project Coordinator, College of Education
Washington State University Tri-Cities, Richland, WA
Includes coordination of grant programs:
- *Socio-Environmental Science Investigations (SESI)*, National Science Foundation (PI: Judith Morrison)
 - *Equity for Language Learners – Improving Practices and Acquisition of Culturally-Responsive Teaching (ELL-IMPACT)*, U.S. Dept. of Education (PI: Gisela Ernst-Slavit; Co-PIs: Yuliya Ardasheva, Kira Carbonneau, Judith Morrison, Sarah Newcomer)
 - *Alternative Route to Teacher Certification*, State of Washington Professional Educator Standards Board (PI: Judith Morrison)
- 2014–2016 Washington State University Tri-Cities, Richland, WA
Assistant Director, High School Programs
- 2006–2014 Washington State University Tri-Cities, Richland, WA

- Academic Advisor, Colleges of Education (2006-2014), Arts and Sciences (2009-2014), and Agricultural, Human, and Natural Resource Sciences (2009-2014)
- 2004–2005 Canterbury Christ Church University, Canterbury, UK
Senior Lecturer, Faculty of Education
- 2001–2004 Pennsylvania State University, University Park, PA
Lecturer, Department of English
- 1998–2000 Inwood Intermediate School 52, New York City Board of Education
Teacher, Science and Mathematics

PUBLICATIONS

Refereed Manuscripts

- Ernst-Slavit, G., Newcomer, S.N., Morrison, S.J., **Lightner, L.K.**, Morrison, J.A., Ardasheva, Y., Carbonneau, K.J. (2021). Latina paraeducators' stories of resistance, resilience, and adaptation in an Alternative Route to Teaching program. *Journal of Career Development*, 1-18. <https://doi.org/10.1177/08948453211005000>
- Morrison, J., Ardasheva, Y., Newcomer, S., **Lightner, L.**, Ernst-Slavit, G., & Carbonneau, K. (2020). Supporting science learning for English language learners. *The Journal of Educational Research and Practice*, 10(1), 254-274. <https://doi.org/10.5590/JERAP.2020.10.1.17>
- Newcomer, S. N., Ardasheva, Y., Morrison, J. A., Ernst-Slavit, G., Morrison, S.J., Carbonneau, K. J., & **Lightner, L. K.** (2020). “Whoa... Welcome to America!”: Supporting refugee background students' socioemotional well-being, English language development, and content area learning. *Journal of Research in Childhood Education*, 1-21. <https://doi.org/10.1080/02568543.2020.1734697>
- Ardasheva, Y., Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Morrison, J. A., Carbonneau, K. J., & **Lightner, L. K.** (2019). Decision-making practices of experienced upper-elementary teachers during small group instruction to support English learners. *The Elementary School Journal*, 120(1), 88-108. <https://doi.org/10.1086/704392>
- Morrison, J., & **Lightner, L.** (2017). Putting paraeducators on the path to teacher certification. *Phi Delta Kappan*, 98(8), 43-47. <https://doi.org/10.1177/0031721717708294>

Manuscripts in Submission

Carbonneau, K.; Ardasheva, Y.; **Lightner, L.**; Newcomer, S.; Ernst-Slavit, G.; Morrison, J.; Morrison, S. (under review). Moving beyond the classroom: Pre- and in-service teachers' self-efficacy for working with culturally and linguistically diverse students.

Firestone, J. B., **Lightner, L. K.**, Ardasheva, Y., & Crider, H. F. (under review). Scaffolding science-specific and general academic vocabulary for adolescent ELs in integrated general education science classrooms.

Reports

Cooper, C. M., **Lightner, L. K.**, & Wells, L. (2018). *President's Commission on the Status of Women 2018 Annual Report*. Washington State University Office of the President.

Neuilly, M.-A., Cooper, C. M., & **Lightner, L. K.** (2017). *President's Commission on the Status of Women 2017 Annual Report*. Washington State University Office of the President.

Lightner, L. K., Bartlett, D., Campbell, H., Griffin, J., Neuilly, M.-A., Nicol, E. A., & Potwora, J. (2015). *President's Commission on the Status of Women 2015 Annual Report*. Washington State University Office of the President.

REFEREED PRESENTATIONS

Ernst-Slavit, G., Newcomer, S. N., Morrison, S. J., Ardasheva, Y., Morrison, J. A., Carbonneau, K. J., & **Lightner, L. K.** (2022, March 22-25). Preparing future teachers for parent and family engagement. Paper to be presented at the annual meeting of the TESOL International Association, Pittsburgh, PA/virtual.

Lightner, L. K. (2021, Aug. 30-Sept. 3). Exploring funds of identity in early career elementary science teachers. In McLeod, E., & Holmegaard, H. T. (Chairs), *Upcoming research in science teacher identities* [Symposium]. European Science Education Research Association Conference 2021, Braga, Portugal/virtual.

Lightner, L. K., Ardasheva, Y., Morrison, J. A., Carbonneau, K. J., Ernst-Slavit, G., Newcomer, S., & Morrison, S. (2021, April). *Investigating prior learning assessments in an alternative route teacher certification program*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.

Carbonneau, K. J., Ardasheva, Y., **Lightner, L. K.**, Newcomer, S., Ernst-Slavit, G., Morrison, J. A., & Morrison, S. (2021, April). *Moving beyond the classroom: Pre- and in-service teachers' self-efficacy for working with culturally and linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.

- Ernst-Slavit, G., Newcomer, S., Morrison, S. J., **Lightner, L. K.**, Morrison, J. A., Ardasheva, Y., & Carbonneau, K. J. (2021, April). *Paraeducators' stories of resistance, resilience, and adaptation in a Grow Your Own program*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.
- Ernst-Slavit, G., Hellman, A., Newcomer, S., Morrison, S. J., Morrison, J. A., **Lightner, L. K.**, Carbonneau, K. J., Uribe-Zarain, X., & Ardasheva, Y. (2021, April). *Effective bilingual and ELL teacher preparation: Lessons learned from two federally funded programs*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.
- Morrison, J., **Lightner, L.**, Malone, D., Firestone, J., & Newcomer, S. (2021, March 20). *Planning and connecting with partner teachers in virtual environments: A research and practices partnership in times of COVID-19*. Paper presented at the annual meeting of the International Consortium for Research in Science & Mathematics Education.
- Lightner, L. K.**, Malone, D. J., Morrison, J. A., Firestone, J. B., & Newcomer, S. N. (2020, December). *Socio-environmental science investigations: Developing geospatial thinking and research-practice partnerships in the age of COVID-19*. Presentation given at the Northwest ASTE 2020 unConference.
- Ernst-Slavit, G., Newcomer, S.N., Carbonneau, K.J., Morrison, J.A., Ardasheva, Y., Morrison, S.J., & **Lightner, L.K.** (2020, October). *Challenges and solutions in expanding pathways for the paraeducator workforce*. Poster presented at the U.S. Department of Education's Office of English Language Acquisition (OELA) Directors Meeting.
- Lightner, L. K.**, & Morrison, J. A. (2020, April). *From paraprofessional to teacher: Navigating complex systems in a Grow Your Own alternative route program at a research intensive public university*. Roundtable paper accepted for presentation at the annual meeting of the National Association for Alternative Certification, Seattle, WA (conference cancelled).
- Carbonneau, K. J., Ardasheva, Y., **Lightner, L. K.**, Newcomer, S., Ernst-Slavit, G., Morrison, J. A., & Morrison, S. (2020, April). *Moving beyond the classroom: Pre- and in-service teachers' self-efficacy for working with culturally and linguistically diverse students*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference cancelled).
- Calderone, S. M., Ardasheva, Y., Newcomer, S., Ernst-Slavit, G., Morrison, J. A., Carbonneau, K. J., **Lightner, L. K.**, & Morrison, S. (2020, April). *"Are we having rich deep conversations, or are we just checking boxes?" Teacher sense-making and curricular reasoning to support English learners*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference cancelled).
- Ernst-Slavit, G., Hellman, A., Newcomer, S., Morrison, J. A., Morrison, S. J., **Lightner, L. K.**, Carbonneau, K.J., Uribe-Zarain, X., & Ardasheva, Y. (2020, April). *Preparing bilingual and English Learner teachers in two innovative federally funded programs: Lessons*

learned. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference cancelled).

Calderone, S. M., Ardasheva, Y., Newcomer, S., Ernst-Slavit, G., Morrison, J. A., Carbonneau, K. J., **Lightner, L. K.**, & Morrison, S. (2020, March). *Teachers of multilingual readers on the intersection of two reading policy mandates*. Paper accepted for presentation at the American Association for Applied Linguistics (AAAL) Conference, Denver, CO (conference cancelled).

Morrison, J., Ardasheva, Y., Newcomer, S., **Lightner, L.**, Ernst-Slavit, G., Carbonneau, K., & Morrison, S. (2020, January). *Supporting science learning for English language students (ELs)*. Paper presented at the Association for Science Teacher Education International Conference, San Antonio, TX.

Ernst-Slavit, G., Carbonneau, K., Ardasheva, Y., Morrison, J., Newcomer, S., **Lightner, L.** & Morrison, S. (2019, November). *From paraprofessionals to bilingual and ELL teachers: Lessons learned from the ELL-IMPACT program in Washington State*. Poster presented at the U.S. Department of Education's Office of English Language Acquisition (OELA) Directors Meeting, Arlington, VA.

Lightner, L. K. & Morrison, J. A. (2019, August). *Science teaching self-efficacy in newly qualified primary teachers with extant school-based work experiences*. Poster presented at the European Science Education Research Association Conference, Bologna, Italy.

Lightner, L. K., & Morrison, J. A. (2019, April). *The transition from paraprofessional to teacher: The paraprofessional's voice*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, ON.

Newcomer, S., Morrison, S., Ernst-Slavit, G., Morrison, J. A., **Lightner, L. K.**, Ardasheva, Y., & Carbonneau, K. J. (2019, April). *"This was the first time anybody had ever invited me": The power of school/family engagement*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, ON.

Ernst-Slavit, G., Morrison, J., **Lightner, L.**, Morrison, S., Newcomer, S., Ardasheva, Y., & Carbonneau, K. (2019, February). *Alternative routes to teacher certification for paraprofessionals: One program's example*. Paper presented at the Globalization, Diversity, and Education Conference, Airway Heights, WA.

Lightner, L. K., & Morrison, J. A. (2019, January). *The relationship of teaching beliefs to paraprofessional preservice teachers' self-efficacy for teaching elementary science*. Paper presented at the Association for Science Teacher Education International Conference, Savannah, GA.

Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Ardasheva, Y., Morrison, J. A., **Lightner, L. K.**, & Carbonneau, K. J. (2018, November). *Exploring our educational imagination: Stories of journeying toward teaching*. Paper presented at the annual meeting of the American Anthropological Association, San Jose, CA.

Ardasheva, Y., Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Morrison, J. A., Carbonneau, K. J. & **Lightner, L. K.** (2018, November). *Experienced teachers' small group instruction decision-making practices*. Paper presented at the annual meeting of the American Anthropological Association, San Jose, CA.

Ardasheva, Y., Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Carbonneau, K. J., Morrison, J. A., & **Lightner, L. K.** (2018, April). *Upper-elementary teachers' use of small group strategies across content areas to support English learners*. Roundtable paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Lightner, L. K. & Morrison, J. A. (2018, March). *Striking balances: Influences on paraprofessional preservice elementary teachers' science teaching self-efficacy*. Poster presented at the National Association for Research in Science Teaching International Conference, Atlanta, GA.

Lightner, L. K., & Morrison, J. A. (2018, January). *Exploring the influence of situated work experiences on paraprofessional preservice teachers' science teaching self-efficacy*. Paper presented at the Association for Science Teacher Education International Conference, Baltimore, MD.

Lightner, L. K., & Morrison, J. A. (2017, March). *Predictors of paraprofessional elementary preservice teachers' science teaching self-efficacy*. Poster presented at the Washington State University GPSA Research Exposition, Pullman, WA.

Lightner, L. K., & Morrison, J. A. (2017, January). *What are the science teaching self-efficacy beliefs of paraprofessionals enrolled in an alternate route teacher certification program?* Paper presented at the Association for Science Teacher Education International Conference, Des Moines, IA.

Lightner, L. K. (2016, November). *Climbing the mountain from paraprofessional to teacher: Elementary preservice teachers' science teaching efficacy beliefs*. Poster presented at the National Science Teachers Association Area Conference on Science Education, Portland, OR.

Lightner, L. K., Grant, L. E., & Witters, A. J. (2016, January). *A systematic review of discourse's outcomes for English language learners in K-12 mathematics and science classrooms*. Poster presented at the Association for Science Teacher Education International Conference, Reno, NV.

Lightner, L. K., Grant, L. E., & Witters, A. J. (2015, August). *A review of discourse's outcomes for English language learners in mathematics and science classrooms*. Poster presented at the 2nd International Argument Based Inquiry Conference, Spokane, WA.

Grant, L., **Lightner, L. K.**, Witters, A., Magaña, M. V, & Wood, S. (2015, March.) *A systematic review of discourse: Its influence on English language learners in the elementary mathematics and science classroom.* Poster presented at the Washington State University Academic Showcase, Pullman, WA.

Lightner, L. K. (2010, January). *Exploring and writing your philosophy of advising.* Paper presented at the Northwest Region 8 National Academic Advising Association Conference, Seattle, WA.

STATE-LEVEL INVITED TALKS

2021 Member, invited panel of Alternative Route Block Grant recipients, Washington Professional Educator Standards Board's Diversifying the Educator Workforce conference *Levers for Change: Collective Impact for Equity*, June 4.

CAMPUS AND DEPARTMENTAL TALKS

2019 **Lightner, L. K.** *Preservice teachers' enactments of science teaching while situated in field experiences.* Presenter for Washington State University Mathematics and Science Education Doctoral Seminar, January 17.

2018 **Lightner, L. K.** *Applying for research and funding opportunities.* Invited presenter for Mathematics and Science Education PhD Program All-Campus Meeting, September 15.

2017 Neuilly, M.-A., Cooper, C. M., & **Lightner, L. K.** *The WSU President's Commission on the Status of Women: Who we are, what we do, and how we lean in while being leaned on.* Invited presenter for the University of Idaho Women's Leadership Conference, March 30.

2016 **Lightner, L. K.** *Predictors of paraprofessional elementary preservice teachers' science teaching self-efficacy.* Presenter for Washington State University Mathematics and Science Education Doctoral Seminar, December 7.

2015 **Lightner, L. K.** *Stereotype threat, identity, and your education.* Invited presenter for Washington State University Tri-Cities Social Justice Institute, March 14.

2009 Member, invited panel of academic advising award recipients, University of Idaho Advising Symposium, September 11.

AWARDS AND HONORS

2021 Woman of Distinction, Washington State University Tri-Cities

- 2020 Karen P. DePauw Leadership Award, Washington State University Graduate School (\$2,000)
- 2020 Laurence J. Peter Memorial Graduate Fellowship in Teacher Education, Washington State University (\$3,000)
- 2019 Staff Excellence Award, Washington State University College of Education
- 2018 NARST International Committee scholarship to attend European Science Education Research Association (ESERA) Summer Research School (\$2,500; one of two awarded internationally)
- 2017 First place, Social Sciences Section, Graduate and Professional Student Association (GPSA) Research Exposition Poster Presentation Award, Washington State University (\$1,000)
- 2017 Love of Learning Award, The Honor Society of Phi Kappa Phi (\$500)
- 2016 Laurence J. Peter Memorial Graduate Fellowship in Teacher Education, Washington State University (\$4,200)
- 2009 Outstanding New Advisor Certificate of Merit
National Academic Advising Association
- 2009 Outstanding Academic Advising Award – New Advisor
Northwest Region 8, National Academic Advising Association
- 2009 Outstanding Academic Advising Award – New Advisor
Washington State University Academic Advising Association
- 2000 Johns Hopkins University Writing Seminars Scholarship (full funding and teaching fellowship)
- 1995 Huntington Poetry Prize, Carleton College

FUNDING

Funded Grant Applications

- 2020 Graduate Student Support Grant, Dept. of Teaching & Learning, Washington State University. \$500.

- 2019 State of Washington Professional Educator Standards Board: *Alternative Route to Teaching Block Grant*. Role: Program Coordinator and Data Coordinator (PI: Judith Morrison). \$386,000.
- 2019 WSU Administrative Professional Advisory Council: Professional Development Mini Grant Fund. \$250.
- 2017 State of Washington Professional Educator Standards Board: *Alternative Route to Teaching Block Grant*. Role: Program Coordinator and Data Coordinator (PI: Judith Morrison). \$308,000.
- 2017 Travel award, Office of Academic Affairs and Office of Research, Graduate Studies, and External Programs, Washington State University Tri-Cities. \$1,303.
- 2016 Graduate Student Travel Support Grant, Dept. of Teaching & Learning, Washington State University. \$500.

Unfunded Grant Applications

- 2020 Natural Resource Conservation Endowment Fund, WSU Office of Research: *Heritage Gardens for Family, School, and Community Appreciation of Washington Natural and Cultural Resources*. Role: PI. \$1,200. (Program funding suspended for 2020-21.)
- 2019 PERSIST Project (Persistence, Effectiveness, and Retention Studies in STEM Teaching): ASTE Conference Travel Support Grant. \$1,400.
- 2019 The Honor Society of Phi Kappa Phi: Graduate Travel Grant. \$1,500.
- 2015 J. L. Stubblefield Trust: *Starting Blocks* student book and stipend program. Role: Program Administrator. \$13,860.

TEACHING EXPERIENCE

Washington State University

- TCH_LRN 490, Advanced Practicum for Elementary Teachers; co-taught with instructor of record, Fall 2021
- MIT 571, Pre-Internship and Seminar; co-taught with instructor of record, Fall 2021
- TCH_LRN 415, Student Teaching Seminar; co-taught with instructor of record Spring 2021, Fall 2020, Spring 2020, Fall 2019, Spring 2019, Spring 2018
- MIT 575, Internship and Seminar; co-taught with instructor of record Spring 2021, Fall 2020, Spring 2020, Fall 2019
- TCH_LRN 499, Special Problems: Writing for the College of Education; Fall 2014
- GEN_ED 104, Pathways to Academic Success Seminar; 2007-2009

Leadership Positions

2021–2024	Member, Publications Advisory Committee, NARST (appointed position)
2020–2023	Member, Communications Committee, ASTE (appointed position)
2019–2021	Member, NARST Graduate Student Committee – Research Symposium Subcommittee
2018–present	Elections Officer, ASTE Northwest Region (elected position)

Volunteer Positions

2021	Presider, ASTE International Conference
2019	Registration Volunteer, ASTE International Conference

UNIVERSITY SERVICE

2009–2019	President’s Commission on the Status of Women (elected position; chair, 2014-15; past chair, 2015-16 and 2017-18)
2017	Search Committee, Chancellor of WSU Tri-Cities
2017–2018	WSU Women’s Leadership Conference Planning Committee
2016–2017	WSU Academic Advising Association Awards Committee
2015–2017	WSU Women of Distinction Awards Committee (chair)
2015–2017	WSU Women’s Recognition Luncheon Planning Committee
2012–2014	Advising Consultant Group, Office of the Provost
2012–2013	Mentor, WSU Academic Advising Association

CAMPUS, COLLEGE AND DEPARTMENTAL SERVICE

2020	College of Education Staff Excellence Awards Committee
2018, 2019	WSU Tri-Cities Education Summit – conference co-coordinator
2014–2018	WSU Tri-Cities Diversity and Inclusion Council
2014	WSU Tri-Cities Academic Master Planning Committee
2008-2013	WSU Tri-Cities Student Conduct Board
2006–2014	WSU Tri-Cities College of Education BA in Education Admissions Committee
2009–present	Search committees including Campus Grants Coordinator, Assistant Director of High School Programs (committee chair), Director of Student Affairs, Executive Assistant to the Chancellor, and academic advisors, recruiters, and other staff

COMMUNITY LEADERSHIP

2019–present	Board of Trustees, Richland Public Library, Richland, WA
2021	Council Delegate, Girl Scouts of Eastern Washington & Northern Idaho

COMMUNITY EDUCATION AND SCIENCE COMMUNICATION

2019–2020	Coach, FIRST Lego League Robotics, Richland, WA
2018–present	Co-leader, Troop 5351, Girl Scouts of Eastern Washington & Northern Idaho (STEM and outdoor education specialist)
2019	Interview, <i>Ask Dr. Universe</i> syndicated column, WSU Marketing & Communications (12/26/19). https://askdruniverse.wsu.edu/2019/12/26/make-snow-globe/
2019	Guest reader for Family Literacy Week, Edison Elementary School, Kennewick, WA (5/6/19)
2018	Co-author, <i>NARST Graduate Student Resources</i> blog post (11/10/2018). http://narstgradresources.blogspot.com/2018/11/esera2018-european-summer-school-for.html
2017	Interview, <i>Education Eclipse</i> podcast, WSU College of Education (6/12/17). https://podcasts.coe.wsu.edu/wp-content/uploads/2018/02/036-From-Parapro-to-Teacher.mp3
2015–2019	Science, literacy, and outdoor education volunteer, Sagebrush Montessori School, Richland, WA
2005–2009	Master Gardener, Washington State University Extension of Benton & Franklin Counties

PROFESSIONAL LEARNING

2021	WSU Distance Delivery Master Certificate
2020	ASTE Conference Workshop: Successful Grant Writing
2019	AERA Division K Pre-Conference Seminar: Theorizing Teacher Education and Teacher Learning
2019	WSU Learning and Performance Research Center Annual Workshop: Mixed Methods
2019	Mental Health First Aid USA for Higher Education
2018–2019	Diversifying the Educator Workforce workshops, Professional Educator Standards Board and Bill & Melinda Gates Foundation
2018	ESERA Summer Research School, University of Jyväskylä, Finland
2016–2018	WSU Research Administration Seminar Series (completed certificate in research administration)
2003	Course in College Teaching, Pennsylvania State University
2000	New York State teacher certification: Earth Science and General Science (grades 7-12) with Grades 5-6 extension

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (AERA)
 Association for Science Teacher Education (ASTE)
 European Science Education Research Association (ESERA)

International Consortium for Research in Science and Mathematics Education (ICRSME)
National Association for Research in Science Teaching (NARST)