

EDUCATION

Ph.D., Curriculum and Instruction

University of Florida, December 2018

Dissertation: *Mapping one niche of social paleontology's digital ecology: Exploring the practices of myFOSSIL community members*

M.S., Science Education

Montana State University, August 2014

Thesis: *Exploring how children use science process skills in a museum setting*

B.A., History & English

Montana State University, May 2011

EMPLOYMENT

Utah State University Emma Eccles Jones College of Education and Human Services

Assistant Professor, Instructional Technology and Learning Sciences (August 2020 – Present)

University of Connecticut Neag School of Education

Post-doctoral Research Associate (August 2019 – August 2020)

North Carolina State University Department of Fisheries, Wildlife, and Conservation Biology

Post-doctoral Research Associate (October 2018 – July 2019)

University of Florida College of Education School of Teaching and Learning

Graduate Teaching Assistant (January 2018 – December 2018)

The FOSSIL Project: Fostering Opportunities for Synergistic STEM with Informal Learners, NSF-DRL #1322725

Graduate Research Assistant and Social Media Coordinator (January 2014 – May 2018)

Community Chats: Tweaking the Science Café Format to Promote Public Engagement on Climate Change and Public Health, UF/IFAS Internally Funded Seed Fund Grant

Graduate Research Assistant (May 2016-December 2016)

GRANT FUNDING

FUNDED

April 2022-March 2023. Delineating evidence-based best practices for accessible science communication. Utah State University, Research Catalyst Seed Grant. PI. \$19,940.82.

2020. "Geology of Science Fiction" Pop-Up Museum Program presented by the Cosplay for Science Initiative. Geological Society of America, E-an Zen Fund for Geoscience Outreach, \$1,500.

PROPOSALS

2022. GRIT: Girl Scouts Researching and Inventing Animal-Centered Technologies. National Science Foundation, Advancing Informal STEM Learning (AISL) Program, Co-PI. \$2,274,036.83. Not Funded.
2021. Collaborative Research: PALEO: Prioritizing All-Inclusive Learning, Engagement, and Outreach in paleontology. National Science Foundation, Advancing Informal STEM Learning (AISL) Program, Co-PI. \$381,452. Not Funded.

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

*Denotes graduate student author

†Denotes work since starting at Utah State University

- † [20] **Lundgren, L.** Crippen, K. J., Bauer, J. E., & Bex, R. T. (2022). Social paleontology on Twitter: A case study of topic archetypes, network composition, and structure. *Social Media + Society*. 8(1), 1-18. doi: [10.1177/20563051221080475](https://doi.org/10.1177/20563051221080475)
- † [19] *Ocon, S., **Lundgren, L.**, Bex, R. T. Bauer, J., Hughes, M., & Mills, S. (2021). *Follow the Fossils: Developing Metrics for Instagram as a Natural Science Communication Tool* (Elements of Paleontology). Cambridge: Cambridge University Press. pp. 1-26. doi:10.1017/9781009157476
- † [18] *Johns, B., Thomas, D., **Lundgren, L.**, Larson, L. R., & Cooper, C. B. (2021). Undergraduate student experiences with citizen science highlight potential for expanding inclusive practices. *Citizen Science: Theory & Practice*. 6(1), 1 – 14. doi: [10.5334/cstp.419](https://doi.org/10.5334/cstp.419)
- † [17] *Smith, H. E., *Alif, B. C., Larson, L. R., *Futch, S., **Lundgren, L.**, Pacifici, L., & Cooper, C. B., (2021). Leveraging citizen science in a college classroom to build interest and efficacy for science and the environment. *Citizen Science: Theory & Practice*, 6(1), 1 – 13. doi: [10.5334/cstp.434](https://doi.org/10.5334/cstp.434)
- † [16] **Lundgren, L.**, Curcio, R., Schroeder, S. E. (2021). Are you a team player or a personal pinner? Situating Pinterest as a part of teachers' online and offline Professional Learning Networks. *Innovation & Education*, 3(6), 1 – 13. doi: [10.1186/s42862-021-00013-z](https://doi.org/10.1186/s42862-021-00013-z)
- † [15] **Lundgren, L.**, Campbell, T., Hall, J. L., Duffy, J., Ruede, M., Simmons, J., Rossi, A., Cole, E., Bay, N., Hollander, H., & Stockwell, T. (2021). Honoring local control while emphasizing collaboration: A case study in developing district-level infrastructure. *PDS Partners: Bridging Research and Practice*. 16(1), 16 – 18.
- † [14] Hall, J. L., Campbell, T., & **Lundgren, L.** (2021). Re-designing infrastructure as a strategy for crafting coherence across three networks focused on the implementation of the Next Generation Science Standards. *Journal of Research in Science Teaching*, 58(7), 956 – 979. doi: [10.1002/tea.21688](https://doi.org/10.1002/tea.21688)
- † [13] Campbell, T., Lee, H., Longhurst, M., McKenna, T. J., Coster, D., & **Lundgren, L.** (2021). Next generation science classrooms: The development of a questionnaire for examining student experiences in science classrooms. *School Science and Mathematics*, 121(2), 96 – 109. doi: [10.1111/ssm.12449](https://doi.org/10.1111/ssm.12449)

- † [12] **Lundgren, L.**, Crippen, K. J., & Bex, R. T. (2021). Profiles in practice: Stories of paleontology within an online, scientific community. *International Journal of Science and Mathematics Education*, 19, 915 – 933 doi: [10.1007/s10763-020-10095-5](https://doi.org/10.1007/s10763-020-10095-5).
- [11] Stoneburg, B., Perez, V., **Lundgren, L.**, Ziegler, M., & Santos, G.-P. (2020). Cosplay for Science: Leveraging pop culture to make science more accessible. *Exhibition, Fall*, 100 – 103.
- [10] **Lundgren, L.**, Crippen, K. J., & Bex, R. T. (2020). Social media interaction as informal science learning: A comparison of message design in two niches. *Research in Science Education*. 52 (1), 1 – 20. doi: [10.1007/s11165-019-09911-y](https://doi.org/10.1007/s11165-019-09911-y)
- [9] Perez, V. J., Leder, R. M., **Lundgren, L.**, Ellis, S., Dunckel, B. A. & Crippen, K. J. (2020). The Belgrade PaleoBlitz: A pilot project to engage amateur paleontologists. *Palaeontologica Electronica* 23(1), A18 (16 pages). doi: [10.26879/1013](https://doi.org/10.26879/1013)
- [8] **Lundgren, L.** & Crippen, K. J. (2019). Learning and the practice of social media in informal science education centers. *International Journal on E-Learning* 18(1), 31-52. Waynesville, NC USA: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/181959/>
- [7] **Lundgren, L.**, Stofer, K. A., Dunckel, B. A., Krieger, J., James, V., & Lange, M. (2019). Panel-based exhibit using participatory design elements may motivate behavior change. *Journal of Science Communication* 18(2), A03 (18 pages). doi: [10.22323/2.18020203](https://doi.org/10.22323/2.18020203)
- [6] Bex, R. T., **Lundgren, L.**, & Crippen, K. J. (2019). Scientific Twitter: The flow of paleontological communication across a social network. *PLoS ONE* 14(7): e0219688 (21 pages). doi: [10.1371/journal.pone.0219688](https://doi.org/10.1371/journal.pone.0219688)
- [5] Stofer, K. A., **Lundgren, L.**, Dunckel, B. A., Krieger, J., James, V., & Lange, M. (2019). Public engagement on climate and health in museums and community discussions may foster behavior change. *Journal of STEM Outreach* 2(1), 1 – 13 doi: [10.15695/jstem/v2i1.10](https://doi.org/10.15695/jstem/v2i1.10)
- [4] Schroeder, S. E., Curcio, R. E., & **Lundgren, L.** (2019). Expanding the learning network: How teachers use Pinterest. *Journal of Research on Technology in Education*, 51(2), 166-186. doi: [10.1080/15391523.2019.1573354](https://doi.org/10.1080/15391523.2019.1573354)
- [3] Schroeder, S., Currin, E., Washington, E., Curcio, R., & **Lundgren, L.** (2019). “Like, share, comment,” and learn: Transformative learning in online anti-Trump resistance communities. *Adult Education Quarterly*, 70(2), 119 – 139. doi: [10.1177/0741713619884270](https://doi.org/10.1177/0741713619884270)
- [2] **Lundgren, L.**, Crippen, K. J., Gardner, E. E., Perez, V. J., & Leder, R. M. (2018). Exploring mental models of amateur paleontologists in a Community of Practice: A case study approach. *International Journal of Social Media and Interactive Environments* 6(1), 44 – 69. doi: [10.1504/IJSMILE.2018.10013530](https://doi.org/10.1504/IJSMILE.2018.10013530)
- [1] MacFadden, B. J., **Lundgren, L.**, Crippen, K. J., Dunckel, B. A., & Ellis, S. (2016). Amateur paleontological societies and fossil clubs, interactions with professional paleontologists, and the rise of 21st century social paleontology in the United States. *Palaeontologica Electronica* 19(2), 1E(19 pages). doi: [10.26879/161E](https://doi.org/10.26879/161E)

BOOK CHAPTERS

- Luehmann, A. Campbell, T., Zhang, Y., Rodriguez, L., & **Lundgren, L.**, (2020). Mentoring core practices. Invited chapter in D. Stroupe, Hammerness, K., McDonald, S. (Eds.), *Preparing Science Teachers through Practice-Based Teacher Education* (pp. 187 – 204) Boston, MA: Harvard Press.

Bex, R. T., II., **Lundgren, L.**, & Crippen, K. J. (2019). Usability and usage of a citizen science app by teachers and students. In D. C. Gibson & M. N. Ochoa (Eds.), *Research Highlights in Technology and Teacher Education 2019*. Association for the Advancement of Computing in Education (AACE).

REFEREED CONFERENCE PROCEEDINGS

Lundgren, L., Crippen, K. J., & Bex, R. T., II. (2018). Digging into the PIT: A new tool for characterizing the social paleontological community. In *The Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2018*, pp. 76–83. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Bex, R. T., II., **Lundgren, L.**, Crippen, K. J., & MacFadden, B. J. (2018). Designing for public participation in paleontology through the development of an app. In *The Proceedings of the European Conference on Social Media* (ed. Remenyi, D.), pp. 462–466. Reading, UK: Academic Conferences and Publishing International, Ltd.

Lundgren, L. & Crippen, K. J. (2017). Developing social paleontology: A case study implementing innovative social media applications. In *Social Media Excellence Awards 2017: An Anthology of Case Histories* (ed. Remenyi, D.), pp. 11–26. Reading, UK: Academic Conferences and Publishing International, Ltd.

Lundgren, L. & Crippen, K. J. (2015, October). Designing for social paleontology: An exploratory study of citizen mental models, In *The Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2015*, pp. 849–858. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Crippen, K. J., Dunckel, B. A., MacFadden, B. J., Ellis, S., & **Lundgren, L.** (2015, October). A framework for social paleontology via an online community space, In *The Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2015*, pp. 305–311. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Ruggles, K., Bokor, J. R., & **Lundgren, L.** (2015, March). Taking learning to the field: Exploring ecology with technology, In *the Proceedings of the Annual Conference of the Society for Information Technology and Teacher Education (SITE)*, pp. 2861-2865. Las Vegas, United States: Association for the Advancement of Computing in Education (AACE).

CONFERENCE PRESENTATIONS

*Denotes graduate student author

† Denotes work since starting at Utah State University

† [47] **Lundgren, L.** & *Zhang, M. (Accepted). Social network analysis shows equal numbers of public, educators, and scientists within an online world. Annual International Conference for the National Association for Research in Science Teaching (NARST).

† [46] Curcio, R. E., **Lundgren, L.**, & Schroeder, S. E. (Accepted). The Teacher-to-teacher Online Marketplace of Ideas: A case study of teachers' pedagogical design capacity. American Education Research Association (AERA).

† [45] Hall, J. L., **Lundgren, L.**, & Campbell, D. T. (Accepted). Re-designing Infrastructure to Implement Active Learning in Undergraduate Chemistry Subject/Problem Annual International Conference for the National Association for Research in Science Teaching (NARST).

- † [44] Lam, A. Bauer, J., Daemmer, L., Sheffield, S., Barclay, K., Bolger, L., **Lundgren, L.**, *Slater, E. (2022). Initiatives, social media research, and collaborations to advance education outreach and science communication in the geosciences-updates from Time Scavengers. Geological Society of America Annual Meeting.
- † [43] Slater, E. & **Lundgren, L.** (2022). Twitter Covid-19 vaccine discussions and communities in Canada. International Conference on Social Media and Society.
- † [42] **Lundgren, L.**, Bex, R. T., *Slater, E., Bauer, J. E., Lam, A. R., *Sonderegger, A. M. (2022). Applying novel methods to characterize an online, science-based affinity space. Annual International Conference for the National Association for Research in Science Teaching (NARST).
- † [41] Smith, H., Allf, B., Larson, L., Futch, S., **Lundgren, L.**, Pacifici, L., & Cooper, C. (2022). Incorporating Citizen Science in the University Classroom - Building Interest and Efficacy for Science and the Environment. Southeastern Environment & Recreation Research Conference. Asheville, NC: March 20-22.
- † [40] Smith, H., Allf, B., Larson, L., Futch, S., **Lundgren, L.**, Pacifici, L., & Cooper, C. (2022). Incorporating Citizen Science in the University Classroom - Building Interest and Efficacy for Science and the Environment. Biennial Conference on University Education in Natural Resources. Virtually hosted by the University of Nebraska - Lincoln: March 23-24.
- † [39] Homola, K., Lam, A. R., Kachovich, S., & **Lundgren, L.** (2021). Maximizing Twitter content to inspire engagement – Analysis of the International Ocean Discovery Program’s 2018-2020 accounts. AGU Annual Meeting.
- † [38] Bauer, J. E., Lam, A. R., Slater, E.,* Bex, R. T., & **Lundgren, L.** (2021). Geoscience communication microcosms on Twitter: An investigation from the Time Scavengers universe. Geological Society of America Annual Meeting.
- † [37] **Lundgren, L.**, Bex, R. T., II, Crippen, K. J., & Bauer, J. E., (2021, March). Forecasting Community Development and Sustainability on Social Media with Topic Modeling. Annual International Conference for the National Association for Research in Science Teaching (NARST). Online.
- [36] **Lundgren, L.**, Schroeder, S. E., Curcio, R. E. (2020, April). Pinterest as a Professional Learning Network: Continuous Collaboration or Does Collaboration End with the Pin? Annual International Conference for the American Educational Research Association (AERA). San Francisco, CA. (Conference canceled).
- [35] **Lundgren, L.**, Cooper, C. B., Larson, L. R., Allf, B., Futch, S. E., & Johns, B. (2020, March). Regardless of major, undergraduates learn when participating in citizen science. Annual International Conference for the National Association for Research in Science Teaching (NARST). Portland, OR. (Conference canceled).
- [34] Hall, J. H., Campbell, D. T., & **Lundgren, L.** (2020, January). Crafting coherence across a multi level networked improvement community focused on the implementation of the Next Generation Science Standards. Annual Meeting of the Association of Science Teacher Education, San Antonio, TX.
- [33] Santos, G-P, **Lundgren, L.**, Barboza, M. M., Ziegler, M. J. Stoneburg, B. (2019, October). Cosplay for Science: Utilizing pop culture narratives as a means for science educational outside traditional learning centers. Society of Vertebrate Paleontology Annual Meeting, Brisbane, Queensland, Australia.

- [32] **Lundgren, L.**, Santos, G-P, Barboza, M. M., Stoneburg, B. Ziegler, M. J. (2019, September). A case study of comic convention visitors' perceptions of scientists. Geological Society of America Annual Meeting, Phoenix, AZ.
- [31] Bex, R. T., II, **Lundgren, L.**, Bauer, J. E., & Crippen, K. J. (2019, September) "You can't sit with us": What topic modeling can reveal about paleontology on Twitter. Geological Society of America Annual Meeting, Phoenix, AZ.
- [30] Ocon, S. B., Hughes, M. J., Mills, S. M., Bauer, J. E., **Lundgren, L.** Bex, R. T., II, & Crippen, K. J. (2019, September). Best practices for Instagram as a geoscience education tool. Geological Society of America Annual Meeting, Phoenix, AZ.
- [29] **Lundgren, L.**, Bex, R. T., II, Bauer, J. E., & Crippen, K. J. (2019, July). Social paleontology on Twitter: A longitudinal case study of network composition and attributes. 11th International Conference on Social Media & Society, Toronto, Ontario, Canada.
- [28] Barboza, M. M., Santos, G-P, Magallanes, I, Ziegler, M. J., & **Lundgren, L.** (2019, June) Reaching communities through cosplay: A study in paleontology and pop culture, North American Paleontological Convention, Riverside, CA
- [27] **Lundgren, L.** Crippen, K. J., & Bex, R. T., II. (2019, April). Describing the practices of members within one niche of social paleontology's digital ecology. Annual International Conference for the National Association for Research in Science Teaching (NARST), Baltimore, MD.
- [26] **Lundgren, L.**, Crippen, K. J., & Bex, R. T., II. (2019, March). A new tool for characterizing paleontological citizen scientists in online social spaces. Citizen Science Association Conference, Raleigh, NC.
- [25] Hughes, M. J., Ocon, S. B., Mills, S. M., Bauer, J. E., Crippen, K. J., **Lundgren, L.**, Bex, R. T., II, & MacFadden, B. J. (2019, March) Engaging in social paleontology: A case study of Instagram, Annual Meeting, Southeastern Section, Geological Society of America, Charleston, SC
- [24] Ocon, S. B., Hughes, M. J., Mills, S. M., Bauer, J. E., Crippen, K. J., **Lundgren, L.**, Bex, R. T., II, & MacFadden, B. J. (2019, March) Measuring success: Evaluating paleontology on Instagram, Annual Meeting, Southeastern Section, Geological Society of America, Charleston, SC
- [23] **Lundgren, L.**, Bex, R. T., II, & Crippen, K. J. (2018, November). Structuring social paleontology: A description of Twitter hashtags and users. Geological Society of America Annual Meeting, Indianapolis, IN.
- [22] **Lundgren, L.**, Bex, R. T., II, & Crippen, K. J., Gardner, E. E., Mills, S. M., & MacFadden, B. J. (2018, November). Implementing social media campaigns and webinars to promote professionalization in paleontology. Geological Society of America Annual Meeting, Indianapolis, IN.
- [21] Bex, R. T., II, & Crippen, K. J., **Lundgren, L.**, Mills, S. M., & MacFadden, B. J. (2018, November). Using a mobile app to connect teachers to the science of paleontology. Geological Society of America Annual Meeting, Indianapolis, IN.
- [20] Schroeder, S. E., Curcio, R., E., **Lundgren, L.**, Currin, E., & Yaeger, E. A. (2018, November) Citizenship education beyond P-16: Self-directed learning in online communities, CUFA (College & University Faculty Assembly) Meeting, Chicago, IL
- [19] Schroeder, S. E., Curcio, R., E., & **Lundgren, L.** (2018, April). How teachers use Pinterest: Similarities and differences in teachers' uses of Pinterest for instructional planning. American Education Research Association (AERA). New York City, NY.

- [18] **Lundgren, L.** & Crippen, K. J. (2018, March). Educative social media for informal science learning: Effective message design across two digital niches. Annual International Conference for the National Association for Research in Science Teaching (NARST), Atlanta, GA.
- [17] Schroeder, S. E., Curcio, R., E., & **Lundgren, L.** (2018, February). Taking an interest in Pinterest: How pre-service teachers use Pinterest. Annual Conference of the Association of Teacher Educators (ATE). Las Vegas, NV.
- [16] Lambert, F. N., **Lundgren, L.**, Bokor, J. R., & Koroly, M. J. (2017, November). Explorations in environmental toxicology: A summer institute for high school students. Annual Conference for the Society of Environmental Toxicology and Chemistry (SETAC), Minneapolis, MN.
- [15] Narducci, R. E., **Lundgren, L.**, & Gardner, E. E. (2017, June) Communicating paleontological research and techniques to a broader audience: A case study utilizing webinars, Southeastern Association of Vertebrate Paleontology Meeting, Gray, TN
- [14] **Lundgren, L.**, Crippen, K. J., Gardner, E. E., Leder, R. M., & Perez, V. J. (2017, April). Conceptualizing social paleontology: An exploration of mental models. Annual International Conference for the National Association for Research in Science Teaching (NARST), San Antonio, TX.
- [13] Stofer, K. A., **Lundgren, L.**, Lange, M., & James, V. (2017, April). Comparing engagement formats to motivate local community public climate change action. Annual International Conference for the National Association for Research in Science Teaching (NARST), San Antonio, TX.
- [12] Narducci, R. E., Gardner, E. E., & **Lundgren, L.** (2017, April) Communicating fossil collection and preparation techniques to a wider audience: A case study utilizing webinars, Annual Fossil Preparation & Collections Symposium, Association for Materials & Methods in Paleontology, Austin, TX
- [11] **Lundgren, L.** & Crippen, K. J. (2017, March) Describing methodologies for engaging with informal science education audiences, Second Annual College of Education Research Symposium, Gainesville, FL
- [10] **Lundgren, L.** & Crippen, K. J. (2017, March) Describing social paleontology from an ecological perspective, Annual Meeting, Northeastern Section, Geological Society of America, Pittsburgh, PA
- [9] Perez, V. J., Leder, R. M., **Lundgren, L.**, Ellis, S., Dunckel, B. A., & Crippen, K. J. (2017, March) The Belgrade PaleoBlitz: A pilot project to engage amateur paleontologists. Annual Meeting, Northeastern Section, Geological Society of America, Pittsburgh, PA
- [8] **Lundgren, L.** (2016, November). Social paleontology on social media: A case study in developing social media best practices for museum projects. Museum Computer Network Conference (MCN), New Orleans, LA.
- [7] Perez, V. J., Leder, R. M., **Lundgren, L.**, Ellis, S., & Dunckel, B. A. (2016, October). PaleoBlitz: Promoting best practices in paleontology, Geological Society of America Annual Meeting, Denver, CO.
- [6] **Lundgren, L.**, Crippen, K. J., MacFadden, B. J., Ellis, S., Dunckel, B. A., & Gardner, E. E. (2016, April). Social media messaging and engagement with paleontology in an online community of practice, Annual International Conference for the National Association for Research in Science Teaching (NARST), Baltimore, MD.

- [5] **Lundgren, L.** & Gardner, E. E. (2016, March) Implementing social paleontology: An examination of amateur paleontologists' Facebook groups, Annual Meeting, Southeastern Section, Geological Society of America, Columbia, SC
- [4] **Lundgren, L.** & Crippen, K. J. (2015, March) The FOSSIL Project: Using social media to develop a community of practice, University of Florida Annual Conference for the Social Sciences, Gainesville, FL
- [3] **Lundgren, L.**, Crippen, K. J., MacFadden, B. J., Dunckel, B. A., Ellis, S., & Gardner, E. E. (2015, November). Exploring social media as a research tool for measuring engagement in a paleontological community of practice, Geological Society of America Annual Meeting, Baltimore, MD.
- [2] Hendy, K., **Lundgren, L.**, Hendy, A. W., MacFadden, B. J., Dunckel, B. A., Crippen, K. J., & Ellis, S. (2014, November). FOSSIL: Developing a cyber-enabled community for paleontologists, Geological Society of America Annual Meeting, Vancouver, British Columbia, Canada.
- [1] **Lundgren, L.**, Hendy, A. J. W., & Crippen, K. J. (2014, October) The design of social media messages for promoting engagement in an online community of practice, University of Florida Graduate Student Research Day, Gainesville, FL

Invited Presentations

- Lundgren, L.** (2019, October) Designing educative social media for informal science learning, Invited speaker for Introduction to Geology course, University of Connecticut, Storrs, CT
- Gardner, E. E., Mills, S. M. & **Lundgren, L.** (2019, June) FOSSIL: Building a Community of Practice via Social Paleontology, Invited panelist for North American Paleontological Convention Symposium, University of California, Riverside
- Lundgren, L.** (2018, April) Designing educative social media for informal science learning, Invited speaker for Communication and Social Media in Environmental Education course, Florida Gulf Coast University, Fort Myers, FL
- Lundgren, L.** & Crippen, K. J. (2017, November) Building educative niches in the broader paleontological social media habitat, EarthRates Community Priorities and Planning Workshop, Minneapolis, MN

TEACHING EXPERIENCE

Courses Taught for EEJ College of Education and Human Services, Utah State University, Logan, Utah (2020-Present)

Undergraduate Courses

ITLS3310 – Information and Media Literacy

Students learn principled practices in developing skills to locate, evaluate, synthesize, and use information and learn responsibility in creating, using, and sharing information and media ethically.

Delivery method: asynchronous online

Graduate Courses

ITLS6540 – Learning Theory

Overview of major theoretical perspectives that attempt to describe how learning works. Students review classical and contemporary perspectives and analyze, critique, compare, contrast, and apply theories to their unique educational situations.

Delivery method: asynchronous online, face-to-face

Courses Taught for Neag College of Education, University of Connecticut, Storrs, Connecticut (2019-2020)

Graduate Courses

EDCI5094 and EDCI5095 The Teacher as Leader-Secondary STEM

Delivery method: face-to-face

Courses Taught for School of Teaching and Learning, College of Education, University of Florida, Gainesville, Florida (2017-2018)

Undergraduate Courses

EDG4930 Informal STEM Practice

Delivery method: Hybrid

EDG4910 Undergraduate Educational Research Internship

Delivery method: asynchronous online

RESEARCH SUPERVISION

COMMITTEE CHAIR, PHD (4)

Proposal Stage (4)

Emily Slater (2020 – present); Coursework. Expected comps defense Fall 2022.

Reagan Siggard (2022 – present); Coursework. Expected comps defense Summer 2024.

Steven Manwaring (2022 – present); Coursework. Expected comps defense Fall 2024.

Kari Ross Nelson (2022 – present); Coursework. Expected comps defense Spring 2025.

COMMITTEE MEMBER, PHD (3)

Proposed (3)

Brian Kartchner (2021 - present); ITLS, Current Stage: Dissertation

Aubrey Rogowski (2021 - present); ITLS, Current Stage: Dissertation

Sarah Urquhart (2022 – present); ITLS, Current Stage: Dissertation

COMMITTEE CHAIR, MASTER'S OF SCIENCE (2)

Defended (1)

Joseph Tucker (2021); ITLS

Pre-proposal stage (1)

Man Zhang (2021 – present); ITLS

COMMITTEE MEMBER, MASTER'S OF SCIENCE (2)

Linyu Luo (2021 – 2022); ITLS Master's of Science Thesis Committee Member

Siyu Wu (2020 – 2022); ITLS Master's of Science Thesis Committee Member

OTHER MASTER'S STUDENT ADVISING (4)

McKenzie Sonderegger (2021); ITLS, Supervised Research

Sam Ocon (2018 – present); West Virginia University, Supervised Research

Bri Johns (2018 – 2019); North Carolina State University, Supervised Research

Maria Sharova (2018 – 2019); North Carolina State University, Supervised Research

Workshops, Professional Development, Outreach, and Extension Work

- Hecht, K., **Lundgren, L.** Stofer, K. A., & Williams, T. (2022). Using social media to engage communities with research: Evaluating your success. *EDIS*. doi: 10.32473/edis-WC411-2022
- Williams, T. D., Stofer, K. A., **Lundgren, L.** & Hecht, K. (2022). Using social media to engage communities with research: Creating a community through best practices. *EDIS*. doi: 10.32473/edis-WC400-2022
- Santos, G-P. & **Lundgren, L.** (2021). Tell Me About It! Live Q&A Chat with Gabriel Santos and Dr. Lisa Lundgren. American Association for the Advancement of Science (AAAS).
- Lundgren, L.** Stofer, K. A., Hecht, K. & Williams, T. (2020). Using social media to engage communities with research: SMART social media—planning for success. *EDIS*. doi: 10.32473/edis-wc362-2020_
- Stofer, K. A., **Lundgren, L.**, Hecht, K., & Williams, T. (2020). Using social media to engage communities with research: Basics. *EDIS*. doi: 10.32473/edis-wc361-2020
- Heath, R. (Producer). (2020, July). Episode 324: Suit up for Science. *Science...sort of*. [Audio podcast]
- Nouraini, S., Voytyuk, M., & Hristozova, N. (Producers). (2019, December). Science Twitter with Dr. Lisa Lundgren. *SciCommJC Podcast*. [Audio podcast]
- 2019, **Lundgren, L.** Science, Education, and Social Networking, Quinnipiac University, 1-session delivered in North Haven, CT.
- 2019, **Lundgren, L.** & Gronski, M. Developing NGSS-Aligned 3D Assessments, Woodstock Academy, 1-session delivered in Woodstock, CT.
- 2018, **Lundgren, L.** Creating Collaborative and Educative Social Media Content, Marston Science Library, 1-session delivered at University of Florida, Gainesville, FL.
- 2016, Stofer, K. A., **Lundgren, L.**, Dunckel, B. A., James, V., & Lange, M. Changing Climate and Our Health, Museum panel exhibit installed at the Florida Museum of Natural History, Gainesville, FL.
- 2016, MacFadden, B. J., Crippen, K. J., Leder, R. M., Gardner, E. E., **Lundgren, L.**, & Perez, V. J. Facilitating Effective STEM Learning and Public Engagement in Paleontology, Short course session delivered in Denver, CO.
- 2016, Gardner, E. E., MacFadden, B. J., Kallmeyer, J., Hartshorn, K. & **Lundgren, L.** Cincinnati Mini Conference on Paleontology. 3-day conference on paleontology for amateur and professional paleontologists focusing on field trips, lectures, and development of k-12 lessons on paleontology. Cincinnati Museum Center, Cincinnati, OH.
- 2016, Bokor, J., MacFadden, B. J., Moran, S., **Lundgren, L.**, & Perez, V. J. Using paleontology in the k-5 classroom. Center for Precollegiate Education and Training Summer Science Institute, 1-session delivered at the University of Florida, Gainesville, FL.
- 2015, Crippen, K. J. & **Lundgren, L.**, How is biodiversity expressed presently, in the past, and in a single organism? Lastinger Center for Learning, University of Florida, 1-session delivered in Palm Beach County, FL.

AWARDS AND HONORS

ITLS Teacher of the Year award, 2022

SERVICE

Department and University

USU ITLS Tenure-Track Appointment Search Committee, 2020, 2021

USU ITLS Masters Student Admissions Committee, 2020-2021

National

National Science Foundation Advancing Informal STEM Learning Grant Reviewer, 2022

NARST Social Media, Communications, and Website Committee Chair, 2021-2022

NARST Social Media, Communications, and Website Committee Co-Chair, 2020-2021

International Conference on Social Media & Society Program Committee, 2020

Geological Society of America Education Committee Member-At-Large 2021-2025

Paleontological Society Outreach & Education Committee Member 2019-2022

Session Chair, Geological Society of America Meeting, "Evidence-based theory and practice of science communication in the geosciences: New methods, avenues, and audiences" September 2019

Citizen Science: Theory and Practice, Reviewer, 2018-present

Journal of Science Education and Technology, Reviewer, 2018-present

Contemporary Issues in Teacher Education-Science (CITE), Reviewer, 2017-present

NARST Conference Proposal Reviewer for Strands 6 & 12, 2016-present

AERA (American Education Research Association) Conference Proposal Reviewer, 2016-present

PROFESSIONAL AFFILIATIONS

American Educational Research Association (AERA)

Association for the Advancement of Computing in Education (AACE)

Citizen Science Association (CSA)

Geological Society of America (GSA)

International Society of the Learning Sciences (ISLS)

National Association for Research in Science Teaching (NARST)

Paleontological Society